

# Estimation of the Genetic Substitution Rate of Hanwoo and Holstein Cattle Using Whole Genome Sequencing Data

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Despite the importance of mutation rate, some difficulties exist in estimating it. Next-generation sequencing (NGS) data yields large numbers of single-nucleotide polymorphisms, which can make it feasible to estimate substitution rates. The genetic substitution rates of Hanwoo and Holstein cattle were estimated using NGS data. Our main findings was to calculate the gene's substitution rates. Through estimation of genetic substitution rates, we found: diving region of altered substitution density exists. This region may indicate a boundary between protected and unprotected genes. The protected region is mainly associated with the gene ontology terms of regulatory genes. The genes that distinguish Hanwoo from Holstein in terms of substitution rate predominantly have gene ontology terms related to blood and circulatory system. This might imply that Hanwoo and Holstein evolved with dissimilar mutation rates and processes after domestication. The difference in meat quality between Hanwoo and Holstein could originate from differential evolution of the genes related to these blood and circulatory system ontology terms.

**Keywords:** genetic substitution rate, Hanwoo, hidden substitution factor, Holstein, whole genome sequencing

## Introduction

Mutation rates include genetic changes such as single nucleotide polymorphisms (SNPs), copy number variations (CNVs), insertion/deletions (indels), microsatellites and minisatellites. Specifically, the subset of the total mutation rate caused by SNPs is called the substitution rate. Rate of point mutation can be determined indirectly by estimating neutral substitution rates [1]. In spite of the importance of substitution rates, there have been few investigations to date. We estimated the substitution rates of Hanwoo and Holstein cattle using the concept of the hidden substitution factor (HSF). The vast number of SNPs in next-generation sequencing (NGS) require the use of HSF to estimate the substitution rate. We defined the HSF as an independent unit for substitution rate in any lineage. For instance, the initial founder number is the HSF if the effective population size has been maintained as a constant. Otherwise, HSF is related to both founder number and effective population

size. Using HSF, we estimated the genetic substitution rates of the genes of the Hanwoo and Holstein breeds in Korea.

Kumar and Subramanian [1] estimated the substitution rate in the mammalian genes using amino acid degenerate sites and evolutionary distance. Lee *et al.* [2] obtained the nonsynonymous SNPs, splice-site variants and coding indels in the Bovine genome including Hanwoo. They used whole-genome resequencing. Melka *et al.* [3] used Bovine SNP 50 beadchip to identify genomic differences between Hanwoo and Holstein. In our analysis, we used whole-genome sequencing to estimate substitution rates of Hanwoo and Holstein and identified genomic differences between Hanwoo and Holstein using gene ontology (GO) analysis. Our novel approach was to use intraspecies substitution rate estimation by inserting HSF into the evolutionary distance. HSF of Hanwoo is closely related to the initial founder number that was caused by migration into Korean peninsula. We hypothesized that initial founder number was more than 1 [1-3].

Hanwoo designates the native, taurine type of Korean cattle. The breed originated approximately 4,000 years ago.

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The production of Hanwoo as the main beef cattle has occurred since the 1960s with the rapid growth of the Korean economy. The tasty beef from Hanwoo cattle is popular among Koreans and foreigners. Holstein-Friesian cattle represents the famous milk producing breeds. The holstein was introduced to Korea in 1902, and the Korean cattle industry has developed rapidly since 1960 [4-6]. Hanwoo and Holstein are very important in cattle industry in Korea.

We estimated the evolutionary distance of Holstein and Hanwoo using the number of SNPs, and HSF. Evolutionary distance refers to the cumulative change between DNA or protein sequences that were derived from a common ancestor. There were various methods to estimate it such as JC69 model, Kimura-2-parameter model (K2P), F81 model, HKY85 model. K2P used transition/transversion ratio (tr/tv ratio) to estimate the evolutionary distance. It is moderately complex model [7-10]. We assumed that the evolutionary distance had a linear relationship to HSF. The generation times of Hanwoo and Holstein were set to be 5 years. Then, the genetic substitution rates of the genes were calculated and those features were surveyed.

## Methods

### Data preparation

In this study, we used a whole-genome sequence data set consisting of 23 Hanwoo and 10 Holstein from NCBI Sequence Read Archive database (PRJNA210523, PRJNA210521, and PRJNA210519). We used fastQC software to perform a quality check on the raw sequence data [11]. Using Trimmomatic-0.32, we removed potential adapter sequences before sequence alignment [11]. Paired-end sequence reads were mapped to the reference genome (*UMD 3.1.75*) from the Ensemble database using Bowtie2 with default settings [12]. For downstream processing and variant-calling, we used open-source software packages: Picard tools (<http://broad-institute.github.io/picard/>), SAMtools, and Genome Analysis Toolkit (GATK) [13, 14]. The “CreateSequenceDictionary” and “MarkDuplicates” Picard command-line tools were used to read the reference FASTA sequence to write a bam file containing a sequence dictionary, and to filter potential PCR duplicates, respectively. Using SAMtools, we created index files for the reference and bam files. We then performed local realignment of sequence reads to correct misalignments due to the presence of small insertions and deletions using the GATK “Realigner-TargetCreator” and “IndelRealigner” arguments. Additionally, base quality score recalibration was performed to get accurate quality scores and to correct the variations in quality associated with machine cycle and sequence context. For calling variants, GATK “Unified-Genotyper” and “SelectVariants” arguments were used with

the following filtering criteria. All variants with (1) a Phred-scaled quality score of less than 30; (2) a read depth less than 5; (3) an MQ0 (total count across all samples of mapping quality zero reads) >4; or a (4) a Phred-scaled p-value using Fisher exact test of more than 200 were filtered out to reduce false-positive calls due to strand bias. We used the “vcf-merge” tools of VCFtools in order to merge all of the variant calling format files for the 33 samples [15].

The number of total SNPs was 37,484,886 and after using minor allele frequency; Holstein 0.1, Hanwoo 0.04) and Hardy-Weinberg equilibrium ( $p < 0.0001$ ), the number of SNPs left in Hanwoo and Holstein were 12,626,097 and 8,636,673, respectively. The estimated transition/transversion ratio (tr/tv ratio) was calculated to be 2.24 using SnpEff [16].

### The relationship between evolutionary distance and founder number

Evolutionary distance is linear to mutation rate and substitution rate [17, 18]. Evolutionary distance is proportional to the harmonic number of of sample size ( $a_1$ ) because the sample size can increase the number of SNPs. Theta represents the population mutation parameter ( $\theta = 4N\mu$ ).

While Watterson’s theta estimator ( $\hat{\theta} = \frac{\#segregating\ sites}{a_1}$ )

have been used irrespective of HSF and general SNPchip did not require HSF, in the NGS data, substitution rate ( $\mu$ ) would be high without the concept of HSF. HSF concept assumes that the initial found number after migration would not be equal to 1 like SNPchips. Biologically, that initial migration number was not 1, is very natural.  $a_1$  is the harmonic number of sample size n. We defined the evolutionary distance as the following:

$$d = f a_1 \mu t \quad (1)$$

, where d is evolutionary distance, f is the HSF,  $a_1$  is the harmonic number of sample size,  $\mu$  is the substitution rate, and t is the divergence time between the species and reference species.

The evolutionary distance model was K2P [7, 19]. K2P assumes the transition/transversion ratio (tr/tv ratio). We set the tr/tv ratio to be 2.24, and the divergence time to be 4,000 years ago [4, 20, 21]. The increase in the number of SNPs could be caused by sample size and HSF.

### HSF estimation via simulation

To estimate HSF, we simulated the average substitution rate of SNP chip data. We assumed the SNP number of general SNP chip data. The SNP chip data have 30,000–50,000 SNPs in total, and the founder number can be

assumed to be close to “1.” We simulated using the following parameters: the number of SNPs would be 30,000–50,000 and the harmonic number of sample size would be 4–6. Using Eq. (1), the expected value of the substitution rate was  $3 \times 10^{-10}$  to  $5 \times 10^{-10}$  (/bp/y). Using the result, we set the average substitution rate to be  $4 \times 10^{-10}$ . This was a similar result to Roach *et al.* [22] who estimated the average mutation rate of human as  $10^{-8}$  order per generation.

The HSF of Hanwoo and Holstein was estimated using Eq. (1). The evolutionary distances of the Hanwoo and Holstein

population across chromosomes were calculated and then average HSF of Hanwoo (23 individuals) and Holstein (10 individuals) were estimated using the substitution rates of each chromosome.

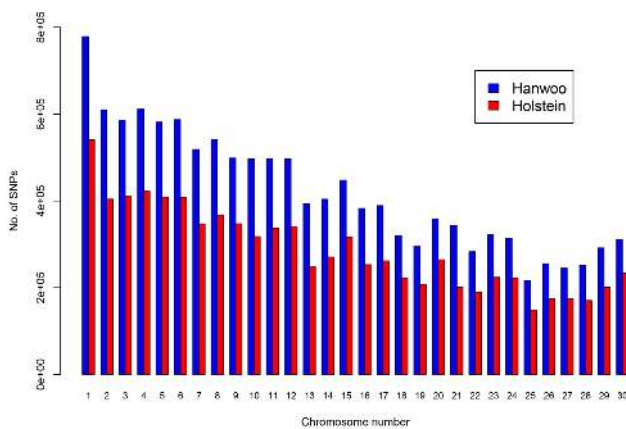
### Genetic substitution rate estimation of genes

After estimating HSF, we calculated each gene’s substitution rate in Hanwoo and Holstein populations. The bovine gene catalog was retrieved from the ensemble website (<http://www.ensembl.org>). The novel calculation was based on the number of SNPs inside each gene and used K2P model. We surveyed the genes that had the highest and lowest substitution rates. We compared the genetic substitution rates of Hanwoo with those of Holstein.

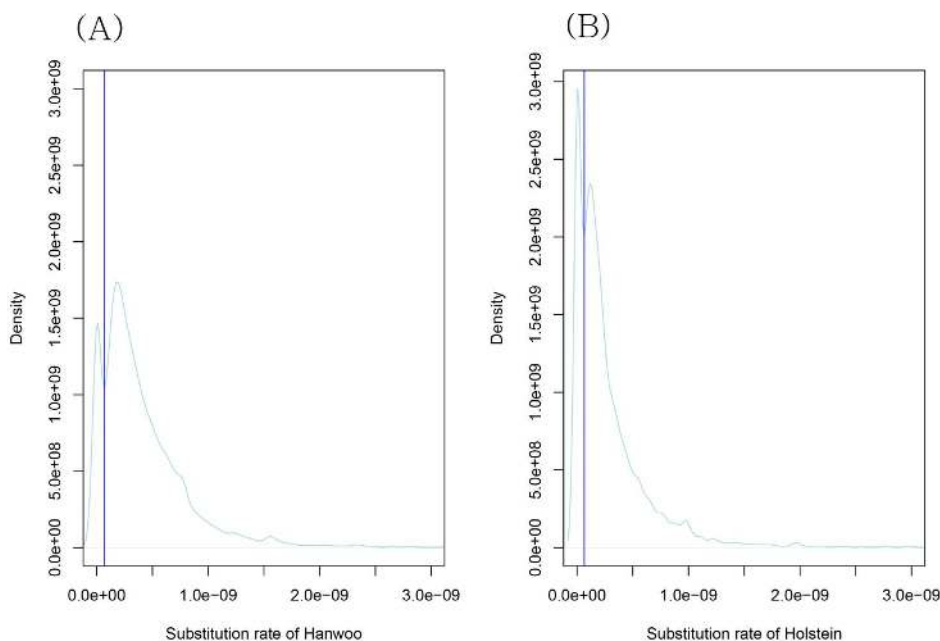
## Results

### HSF estimation

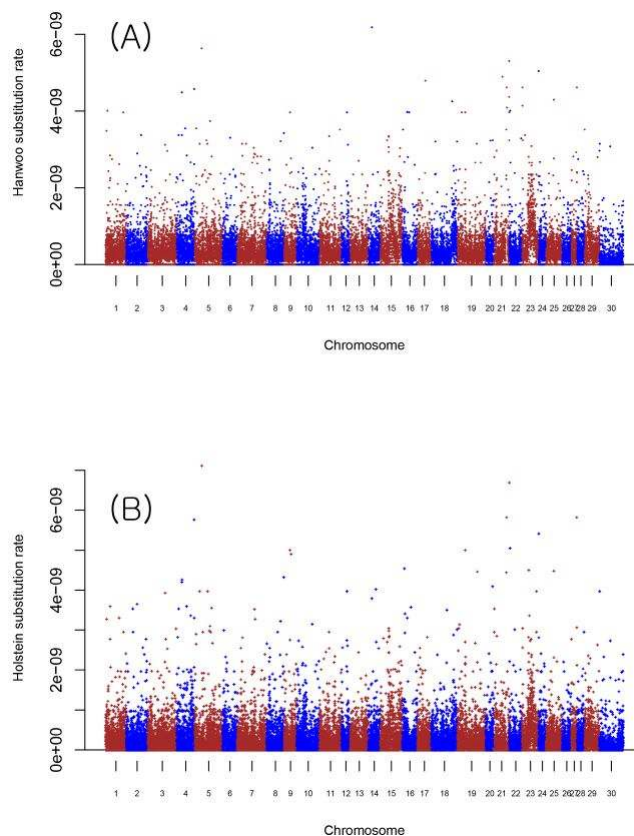
We estimated HSF of Hanwoo and Holstein. The HSF of Hanwoo and Holstein were  $351 \pm 46$  (mean  $\pm$  SD) and  $279 \pm 39$  (mean  $\pm$  SD), respectively. The Holstein HSF was not greater than that of Hanwoo because the Holstein HSF might pertain only to the history of Korean Holsteins. Fig. 1 shows the number of SNPs across chromosomes in Hanwoo and Holstein. The difference in the number of SNPs across chromosomes might be mainly due to the number of individuals i.e., 23 and 10 in Hanwoo and Holstein, respectively.



**Fig. 1.** The number of single nucleotide polymorphisms (SNPs) across chromosomes in Hanwoo and Holstein. The number of individuals of Hanwoo and Holstein was 23 and 10, respectively. Because the number of individuals in Hanwoo and Holstein differed, this barplot just showed the patterns of the number of SNPs in Hanwoo and Holstein.



**Fig. 2.** Density plot of substitution rates. It indicates that diving region exists in both Hanwoo (A) and Holstein (B). The protected region (low substitution rates) and the unprotected region (high substitution rates) can be differentiated by the diving region. The dividing region’s substitution rate (blue vertical line) was  $7 \times 10^{-11}$  and  $6.5 \times 10^{-11}$  in Hanwoo and Holstein, respectively.



**Fig. 3.** Manhattan plot of Hanwoo (A) and Holstein (B) across chromosomes.

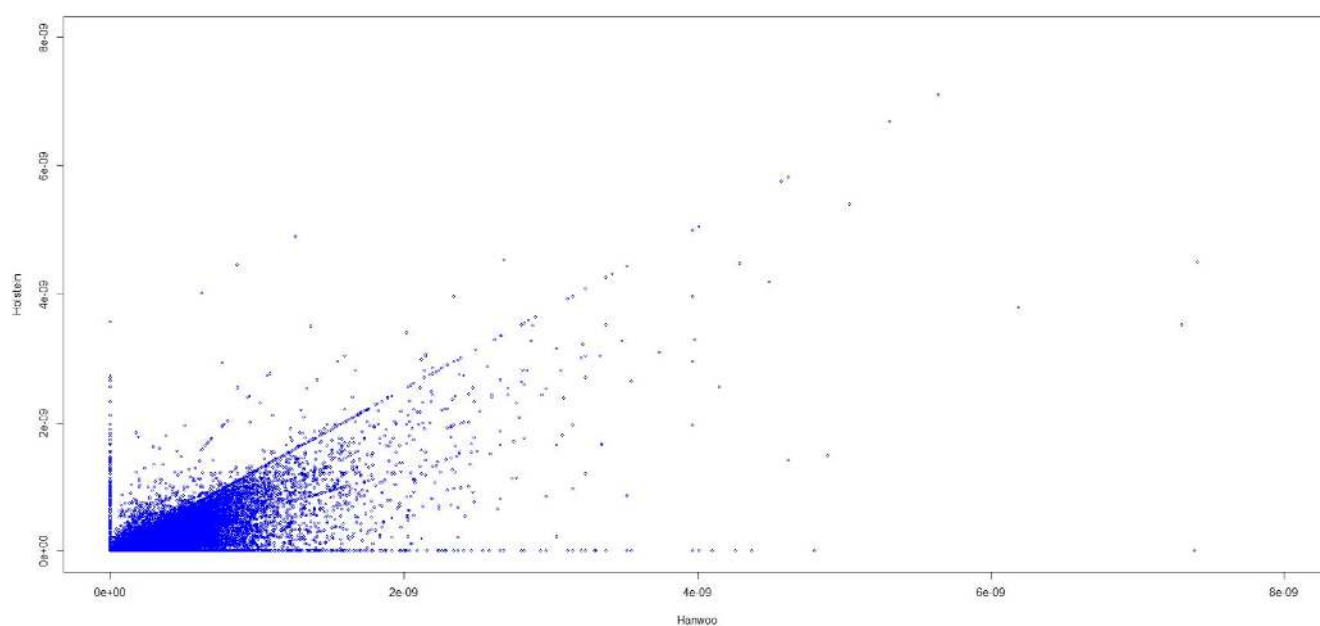
### Substitution rate

Fig. 2 shows the density of Hanwoo (Fig. 2A) and Holstein (Fig. 2B) substitution rates. The density of substitution rates showed the presence of a region in which the density showed significant decrease and increase. We might consider that this diving region differentiated the protected regions from unprotected regions. The substitution rates of the boundary regions in Hanwoo and Holstein were  $7 \times 10^{-11}$  and  $6.5 \times 10^{-11}$ , respectively (/bp/y).

Fig. 3 shows Manhattan plot of substitution rates. It shows that the distribution of substitution rates between Hanwoo and Holstein was somewhat different across the genome. Fig. 4 shows the genetic substitution rate of Holstein against that of Hanwoo.

### GO in Hanwoo and Holstein

Table 1 shows the results of a DAVID analysis of GO terms for genes with low substitution rates (Hanwoo  $< 7 \times 10^{-11}$ ; Holstein  $< 6.5 \times 10^{-11}$ ). The criteria was substitution rates below diving regions. Most terms were regulation. It is obvious that regulatory genes would have low substitution rates. Table 2 shows GO terms of genes with different substitution rates between Hanwoo and Holstein. The major GO terms were related to blood and circulatory system. The criteria of genes was an over 20-fold difference in substitution rate between Hanwoo and Holstein (Fig. 4). Supplementary Table 1 shows the total genetic substitution rates and those ratios between Hanwoo and Holstein for protein-coding genes. The averages of gene substitution rates in Hanwoo



**Fig. 4.** The substitution rates of Holstein against Hanwoo. It showed the nonlinearity of substitution rates between Hanwoo and Holstein.

**Table 1.** Gene ontology terms (GO terms) with low substitution rates of  $7 \times 10^{-11}$  and  $6.5 \times 10^{-11}$  in Hanwoo and Holstein, respectively

Term	Count	p-value
GO:0009952; anterior/posterior pattern specification	10	4.79E-05
GO:0006357; regulation of transcription from RNA polymerase II promoter	18	1.23E-04
GO:0000122; negative regulation of transcription from RNA polymerase II promoter	24	3.22E-04
GO:0006351; transcription, DNA-templated	29	0.001
GO:0045944; positive regulation of transcription from RNA polymerase II promoter	27	0.002
GO:0043518; negative regulation of DNA damage response, signal transduction by p53 class mediator	4	0.003
GO:0060828; regulation of canonical Wnt signaling pathway	4	0.004
GO:0045668; negative regulation of osteoblast differentiation	5	0.008
GO:0007264; small GTPase mediated signal transduction	12	0.0106
GO:0032525; somite rostral/caudal axis specification	3	0.015
GO:0001764; neuron migration	7	0.017
GO:0048701; embryonic cranial skeleton morphogenesis	4	0.031
GO:0007219; Notch signaling pathway	6	0.036
GO:0007519; skeletal muscle tissue development	4	0.037
GO:0007413; axonal fasciculation	3	0.039
GO:0045671; negative regulation of osteoclast differentiation	3	0.039
GO:0048704; embryonic skeletal system morphogenesis	4	0.043
GO:0021722; superior olivary nucleus maturation	2	0.048
GO:0050725; positive regulation of interleukin-1 beta biosynthetic process	2	0.048
GO:0032078; negative regulation of endodeoxyribonuclease activity	2	0.048
GO:0021568; rhombomere 2 development	2	0.048
GO:0061104; adrenal chromaffin cell differentiation	2	0.048

The analysis shows that the regulatory genes have low substitution rates.

**Table 2.** GO of the genes based on Hanwoo/Holstein substitution rate ratio

Term	Count	p-value
GO:0043933; macromolecular complex subunit organization	18	0.002
GO:0065003; macromolecular complex assembly	17	0.003
GO:0006461; protein complex assembly	12	0.006
GO:0070271; protein complex biogenesis	12	0.006
GO:0050880; regulation of blood vessel size	5	0.007
GO:0035150; regulation of tube size	5	0.007
GO:0003018; vascular process in circulatory system	5	0.007
GO:0003013; circulatory system process	7	0.009
GO:0008015; blood circulation	7	0.009
GO:0009303; rRNA transcription	3	0.012
GO:0008217; regulation of blood pressure	5	0.02
GO:0006351; transcription, DNA-dependent	6	0.03
GO:0006940; regulation of smooth muscle contraction	3	0.03
GO:0003044; regulation of systemic arterial blood pressure mediated by a chemical signal	3	0.04
GO:0048754; branching morphogenesis of a tube	4	0.04
GO:0032774; RNA biosynthetic process	6	0.04
GO:0006813; potassium ion transport	7	0.04
GO:0002035; brain renin-angiotensin system	2	0.05
GO:0002016; regulation of blood volume by renin-angiotensin	2	0.05
GO:0003072; renal control of peripheral vascular resistance involved in regulation of systemic arterial blood pressure	2	0.05

The ratio was above 20-fold in Hanwoo compared to Holstein. It is noteworthy that blood and circulatory system gene ontology (GO) terms were frequent. We suggest that these categories can differentiate the evolution of Hanwoo from that of Holstein.

and Holstein were  $4.1 \times 10^{-10}$  and  $2.9 \times 10^{-10}$ . This was concordant with the simulation study of substitution rates (see Materials and Methods). We used the pseudocount  $10^{-13}$  where the substitution rate in Holstein was estimated at zero to calculate the ratios.

## Discussion

### HSF estimation

The HSF can be viewed as the number of individuals requiring to explain the substitution rates present in a population. In SNP chip data, the HSF can be as close as 1. Founder effect can decrease nucleotide diversity and number of SNPs [23, 24]. Thus, smaller founder number can decrease the number of SNPs. Additionally, a population expansion after bottleneck events can increase the number of SNPs. Thus HSF should be estimated carefully, taking care of population history such as bottleneck event and population expansion.

The genes in Hanwoo and Holstein have average substitution rates on the order of  $10^{-10}$ . CNVs, microsatellites and minisatellites can also cause mutations. Therefore, it is very difficult to estimate the mutation rates with great accuracy. Instead, we focused on substitution rates which could be estimated using SNPs. The substitution rates on the order of  $10^{-10}$  in Hanwoo and Holstein were similar to the human mutation rates [22].

The evolutionary distance can be assumed to be linear with HSF and the harmonic number of sample size ( $a_1$ ). Like Watterson's theta estimator, the number of SNPs increases with sample size and thus we assumed that the evolutionary distance was linear with the harmonic mean of sample size ( $a_1$ ). Because HSF represents the independent substitution unit in the population, thus is linear with the number of SNPs in the population as Eq. (1).

### Substitution diving region

The gene ontology (GO terms) analysis for genes with the lowest substitution rates in Hanwoo and Holstein showed that regulatory genes belong to the low substitution rate gene set. Regulatory genes might be protected genes. The existence of boundaries between the highest and lowest substitution rates showed that there were gaps in substitution rate between protected genes (lowest substitution rates) and unprotected genes (highest substitution rates). Such diving regions might not be the special case in Hanwoo or Holstein. This could provide evidence of differentiation between protected genes and unprotected genes.

### GO results differentiating Hanwoo from Holstein

The differentiation of Hanwoo from Holstein was

identified by comparing the genetic substitution rate at the gene level. In GO analysis of differentially substituted genes between Hanwoo and Holstein, the blood and circulatory system terms were most common. The disparate evolutionary patterns after domestication between Hanwoo and Holstein could be caused by these genes. Hanwoo, which mainly provides meat, and Holstein, which mainly provides milk, might evolve differently, and blood and circulatory system-related GO genes could play some role in the evolution of Hanwoo and Holstein.

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### Authors' contribution

Conceptualization: YSL

Data curation: DS

Formal analysis: YSL

Methodology: YSL

Writing: YSL

Writing – review & editing: YSL, DS

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### Supplementary material

Supplementary data including one table can be found with this article online at <http://www.genominfo.org/src/sm/gni-16-14-s001.pdf>.

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## **SUPPLEMENTARY INFORMATION**

### **Estimation of the Genetic Substitution Rate of Hanwoo and Holstein Cattle Using Whole Genome Sequencing Data**

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**Supplementary Table 1.** The table of genetic substitution rates of protein coding genes

Ensembl Gene ID	substitution rate of Hanwoo	substitution rate of Holstein	gene name	Hanwoo/Holstein substi ratio
ENSBTAG00000045984	0	1.40E-10		7.14E-04
ENSBTAG00000047183	0	2.86E-10		3.50E-04
ENSBTAG00000011631	0	6.65E-10	YWHAH	1.50E-04
ENSBTAG00000037547	0	1.24E-10	OLIG1	8.06E-04
ENSBTAG00000046804	0	7.86E-10	KRTAP7-1	1.27E-04
ENSBTAG00000037820	0	8.96E-10		1.12E-04
ENSBTAG00000048225	0	1.47E-10		6.80E-04
ENSBTAG00000015069	2.21E-11	2.09E-10	PCNP	1.06E-01
ENSBTAG00000024027	3.87E-11	1.95E-10	TRMT10C	1.99E-01
ENSBTAG00000019514	9.71E-11	3.70E-10	OPA1	2.63E-01
ENSBTAG00000046790	5.23E-11	1.98E-10		2.65E-01
ENSBTAG00000013460	5.85E-11	2.21E-10	ZBTB11	2.65E-01
ENSBTAG00000006065	5.60E-11	2.12E-10	ATP5J	2.64E-01
ENSBTAG00000043957	4.64E-11	1.76E-10	TDRP	2.64E-01
ENSBTAG00000003064	4.74E-11	1.60E-10	PAXBP1	2.96E-01
ENSBTAG00000018278	2.01E-10	6.19E-10		3.24E-01
ENSBTAG00000012594	1.31E-10	3.78E-10	MRPS6	3.47E-01
ENSBTAG00000018508	1.71E-10	4.85E-10	TMEM108	3.54E-01
ENSBTAG00000005203	2.77E-10	7.57E-10	C3orf33	3.66E-01
ENSBTAG00000015212	1.09E-10	2.96E-10	IFNAR2	3.68E-01
ENSBTAG00000043993	3.38E-10	8.66E-10	C21orf62	3.91E-01
ENSBTAG00000034869	9.31E-11	2.35E-10	KRTAP11-1	3.96E-01
ENSBTAG00000011116	3.93E-11	9.92E-11	PAQR9	3.97E-01
ENSBTAG00000030862	1.69E-10	4.26E-10		3.96E-01
ENSBTAG00000009622	5.38E-10	1.27E-09		4.24E-01
ENSBTAG00000007068	1.35E-10	3.02E-10	SH3BGR	4.47E-01
ENSBTAG00000014233	1.25E-10	2.78E-10		4.50E-01
ENSBTAG00000017659	2.67E-10	5.78E-10	BFSP2	4.62E-01
ENSBTAG00000016932	1.28E-10	2.70E-10	SEN7	4.74E-01
ENSBTAG00000013464	8.07E-11	1.65E-10	CEP97	4.90E-01
ENSBTAG00000013319	2.18E-10	4.34E-10	SMCO1	5.02E-01
ENSBTAG00000014318	4.51E-10	8.74E-10	SLC33A1	5.16E-01
ENSBTAG00000046008	2.42E-10	4.58E-10		5.28E-01
ENSBTAG00000005540	3.01E-10	5.69E-10	CBX3	5.28E-01
ENSBTAG00000015662	1.43E-10	2.63E-10	IMPG2	5.44E-01
ENSBTAG00000026260	1.15E-10	2.12E-10	KCNE2	5.45E-01
ENSBTAG00000018025	2.66E-10	4.83E-10	IQCG	5.51E-01
ENSBTAG00000013461	1.49E-10	2.63E-10	RPL24	5.67E-01
ENSBTAG00000020122	9.19E-11	1.62E-10	USP16	5.68E-01
ENSBTAG00000018009	2.84E-10	4.90E-10		5.80E-01
ENSBTAG00000021490	3.59E-10	6.08E-10	WDR4	5.91E-01
ENSBTAG00000018749	1.58E-10	2.65E-10	NUDT16	5.94E-01
ENSBTAG00000017312	1.70E-10	2.86E-10	SST	5.96E-01
ENSBTAG00000001497	3.50E-10	5.69E-10	MRAS	6.15E-01
ENSBTAG00000018471	8.01E-11	1.28E-10	SSR3	6.26E-01
ENSBTAG00000035175	2.19E-10	3.48E-10	DONSON	6.31E-01
ENSBTAG00000017310	3.22E-10	5.11E-10	EVA1C	6.30E-01
ENSBTAG00000011986	2.86E-10	4.39E-10	PLSCR4	6.51E-01
ENSBTAG00000011150	1.84E-10	2.78E-10	PFN2	6.62E-01
ENSBTAG00000009128	3.70E-10	5.52E-10	POU1F1	6.71E-01
ENSBTAG00000009187	3.19E-10	4.68E-10	DNAJC28	6.81E-01
ENSBTAG00000010448	4.90E-10	7.15E-10		6.85E-01
ENSBTAG00000013841	5.65E-10	8.14E-10	C21orf140	6.94E-01
ENSBTAG00000045633	5.33E-10	7.68E-10	AGTR1	6.94E-01
ENSBTAG00000033437	6.10E-10	8.79E-10		6.94E-01
ENSBTAG00000011528	6.19E-10	8.81E-10	SMIM11A	7.03E-01
ENSBTAG00000032839	1.83E-10	2.60E-10	LRCH3	7.04E-01
ENSBTAG00000018855	9.06E-11	1.28E-10	SCAF4	7.08E-01
ENSBTAG00000014874	1.99E-10	2.78E-10	FYTTD1	7.15E-01
ENSBTAG00000019014	4.64E-10	6.50E-10	MAGEF1	7.14E-01
ENSBTAG00000003063	5.56E-11	7.72E-11	SYNJ1	7.20E-01
ENSBTAG00000005862	1.56E-10	2.15E-10	SMC4	7.24E-01
ENSBTAG00000005313	1.13E-10	1.54E-10	EPHB3	7.33E-01
ENSBTAG00000010874	3.49E-10	4.71E-10	GHSR	7.41E-01
ENSBTAG00000009263	3.33E-10	4.47E-10	MFSD1	7.45E-01
ENSBTAG00000007939	3.07E-10	4.12E-10	CHMP2B	7.46E-01
ENSBTAG00000000448	3.07E-10	4.07E-10	BDH1	7.53E-01

ENSBTAG00000019043	9.25E-11	1.22E-10	GABPA	7.59E-01
ENSBTAG00000006909	3.76E-10	4.95E-10	PIK3CB	7.59E-01
ENSBTAG00000012164	6.91E-10	9.03E-10	CP	7.66E-01
ENSBTAG00000009188	1.90E-10	2.48E-10	GART	7.67E-01
ENSBTAG00000021139	8.56E-10	1.11E-09		7.71E-01
ENSBTAG00000021253	7.29E-10	9.34E-10	PRDM15	7.80E-01
ENSBTAG00000005066	1.52E-10	1.93E-10	HSPBAP1	7.87E-01
ENSBTAG00000012899	4.24E-10	5.39E-10	IFNGR2	7.87E-01
ENSBTAG00000008471	8.30E-10	1.05E-09	MX2	7.90E-01
ENSBTAG00000025847	1.55E-10	1.96E-10		7.93E-01
ENSBTAG00000011495	6.37E-10	8.05E-10	DIP2A	7.92E-01
ENSBTAG00000047978	2.15E-10	2.71E-10		7.94E-01
ENSBTAG00000019007	2.05E-10	2.59E-10		7.93E-01
ENSBTAG00000014208	1.90E-10	2.40E-10		7.94E-01
ENSBTAG00000006388	4.46E-10	5.62E-10	FBXO45	7.94E-01
ENSBTAG00000040155	5.27E-10	6.64E-10		7.94E-01
ENSBTAG00000002273	4.95E-10	6.24E-10	ARGFX	7.93E-01
ENSBTAG00000046620	1.17E-09	1.47E-09		7.93E-01
ENSBTAG00000047076	2.01E-10	2.53E-10		7.94E-01
ENSBTAG00000023593	9.54E-11	1.20E-10	GMNC	7.96E-01
ENSBTAG00000047095	7.09E-10	8.93E-10	ORSAC2	7.94E-01
ENSBTAG00000015812	8.59E-10	1.08E-09	KRTAP8-1	7.96E-01
ENSBTAG00000027213	8.02E-10	1.01E-09		7.94E-01
ENSBTAG00000018312	9.99E-10	1.26E-09		7.93E-01
ENSBTAG00000048150	5.17E-10	6.52E-10		7.93E-01
ENSBTAG00000027782	8.50E-11	1.07E-10		7.95E-01
ENSBTAG00000010385	8.56E-11	1.08E-10		7.93E-01
ENSBTAG00000047371	8.11E-11	1.02E-10		7.95E-01
ENSBTAG00000030592	7.42E-10	9.35E-10		7.94E-01
ENSBTAG00000030585	3.45E-10	4.35E-10	CLDN14	7.93E-01
ENSBTAG00000045590	1.01E-10	1.27E-10		7.96E-01
ENSBTAG00000046313	6.65E-11	8.38E-11	CCDC54	7.94E-01
ENSBTAG00000038600	4.66E-11	5.88E-11	LRRC15	7.94E-01
ENSBTAG00000019949	1.12E-10	1.41E-10	DBR1	7.95E-01
ENSBTAG00000008359	1.17E-09	1.48E-09		7.93E-01
ENSBTAG00000008873	1.41E-10	1.77E-10	NCBP2	7.95E-01
ENSBTAG00000008078	1.52E-10	1.92E-10	TRIM59	7.94E-01
ENSBTAG00000009084	1.68E-10	2.09E-10	ATG3	8.05E-01
ENSBTAG00000036262	3.23E-10	3.99E-10	GBE1	8.09E-01
ENSBTAG00000008167	4.74E-10	5.86E-10	TTC3	8.09E-01
ENSBTAG00000009012	4.34E-10	5.29E-10	PTX3	8.20E-01
ENSBTAG00000021997	5.05E-10	6.16E-10	ITSN1	8.21E-01
ENSBTAG00000018877	3.69E-10	4.48E-10	PDIA5	8.23E-01
ENSBTAG00000002029	7.61E-10	9.25E-10	IGSF5	8.23E-01
ENSBTAG00000023600	1.48E-10	1.78E-10	APOD	8.30E-01
ENSBTAG00000011802	6.29E-10	7.60E-10	COL6A1	8.27E-01
ENSBTAG00000023445	1.27E-10	1.54E-10	SIAH2	8.23E-01
ENSBTAG00000015010	1.79E-10	2.14E-10	TBC1D23	8.34E-01
ENSBTAG00000001150	5.06E-10	6.06E-10		8.36E-01
ENSBTAG00000001920	5.70E-10	6.83E-10	POLQ	8.35E-01
ENSBTAG00000002395	4.64E-10	5.54E-10	HPS3	8.38E-01
ENSBTAG00000001969	1.45E-10	1.73E-10	CCDC39	8.41E-01
ENSBTAG00000015895	4.18E-10	4.98E-10	HGD	8.40E-01
ENSBTAG00000016026	4.79E-10	5.70E-10	PCOLCE2	8.40E-01
ENSBTAG00000048195	4.13E-10	4.92E-10	PIGX	8.39E-01
ENSBTAG00000018489	3.82E-10	4.51E-10	OTOL1	8.46E-01
ENSBTAG00000011512	5.11E-10	6.03E-10		8.48E-01
ENSBTAG00000032819	8.13E-10	9.56E-10	MUC20	8.51E-01
ENSBTAG00000008307	4.25E-10	5.00E-10	PLCH1	8.50E-01
ENSBTAG00000038069	2.14E-10	2.51E-10		8.51E-01
ENSBTAG00000012412	6.15E-10	7.22E-10	URB1	8.52E-01
ENSBTAG00000000526	7.90E-10	9.27E-10	TOPBP1	8.52E-01
ENSBTAG00000003851	2.65E-10	3.10E-10	CCNL1	8.55E-01
ENSBTAG00000005071	1.35E-10	1.57E-10	DIRC2	8.61E-01
ENSBTAG00000021515	3.55E-10	4.14E-10	ZDHH19	8.57E-01
ENSBTAG00000011423	5.34E-10	6.21E-10	SERPINI2	8.60E-01
ENSBTAG00000000603	5.29E-10	6.15E-10	JAM2	8.60E-01
ENSBTAG00000040393	2.59E-10	3.02E-10		8.59E-01
ENSBTAG00000001721	4.15E-10	4.81E-10	GYG1	8.63E-01
ENSBTAG00000036019	4.86E-10	5.64E-10	RIPPLY3	8.62E-01

ENSBTAG0000000566	5.63E-10	6.53E-10	CCDC14	8.63E-01
ENSBTAG00000006724	2.85E-10	3.30E-10		8.63E-01
ENSBTAG000000047856	3.06E-10	3.54E-10	PAK2	8.66E-01
ENSBTAG00000015056	4.77E-10	5.51E-10	RBP2	8.66E-01
ENSBTAG00000004777	1.34E-10	1.55E-10	S100B	8.65E-01
ENSBTAG00000005604	6.62E-10	7.58E-10	POPODC2	8.73E-01
ENSBTAG00000014889	3.32E-10	3.80E-10	DCBLD2	8.74E-01
ENSBTAG00000013909	1.44E-10	1.65E-10	BOC	8.73E-01
ENSBTAG00000012798	5.21E-10	5.94E-10	KCNH8	8.77E-01
ENSBTAG00000023718	6.05E-10	6.88E-10	MRAP	8.79E-01
ENSBTAG00000004139	1.54E-10	1.75E-10	BACH1	8.78E-01
ENSBTAG00000023675	1.44E-10	1.64E-10		8.77E-01
ENSBTAG00000014508	1.71E-10	1.94E-10	FBXO40	8.80E-01
ENSBTAG000000031572	1.69E-10	1.91E-10		8.83E-01
ENSBTAG000000030913	7.18E-10	8.11E-10	Mx1	8.86E-01
ENSBTAG00000008862	2.31E-10	2.60E-10	GOLGB1	8.89E-01
ENSBTAG000000021364	3.03E-10	3.41E-10	TNK2	8.88E-01
ENSBTAG00000018397	1.44E-10	1.62E-10	HHLA2	8.89E-01
ENSBTAG00000021270	7.43E-10	8.36E-10	UMODL1	8.88E-01
ENSBTAG00000024643	4.32E-10	4.86E-10	VEPH1	8.90E-01
ENSBTAG00000019704	3.42E-10	3.83E-10	HILTF	8.92E-01
ENSBTAG00000001258	3.41E-10	3.82E-10	TMEM50B	8.93E-01
ENSBTAG00000046935	8.90E-10	9.96E-10		8.93E-01
ENSBTAG000000032674	2.75E-10	3.08E-10	SENP5	8.94E-01
ENSBTAG000000020378	1.54E-10	1.72E-10	DLG1	8.93E-01
ENSBTAG00000000706	3.31E-10	3.69E-10	ADAMTS1	8.97E-01
ENSBTAG00000018765	1.25E-10	1.39E-10	SEMA5B	9.02E-01
ENSBTAG00000003865	3.44E-10	3.82E-10		9.02E-01
ENSBTAG00000017882	8.85E-10	9.80E-10	LRRC3	9.03E-01
ENSBTAG00000019542	1.72E-10	1.90E-10	MRPL39	9.04E-01
ENSBTAG000000031306	7.91E-10	8.74E-10	PLSCR1	9.05E-01
ENSBTAG000000008299	5.99E-10	6.61E-10	IL20RB	9.07E-01
ENSBTAG000000046447	9.22E-10	1.01E-09		9.13E-01
ENSBTAG00000014960	3.36E-10	3.68E-10		9.12E-01
ENSBTAG00000020035	4.55E-10	4.99E-10	RCAN1	9.12E-01
ENSBTAG00000009848	2.89E-10	3.16E-10	GPR171	9.13E-01
ENSBTAG000000009214	7.74E-10	8.47E-10	ETS2	9.14E-01
ENSBTAG00000018346	7.55E-10	8.25E-10	TRIM42	9.15E-01
ENSBTAG000000030942	5.95E-10	6.49E-10	MRPL3	9.17E-01
ENSBTAG000000009115	5.52E-10	6.00E-10	SPSB4	9.21E-01
ENSBTAG000000039011	4.79E-10	5.18E-10	HTR3D	9.26E-01
ENSBTAG00000020028	3.78E-10	4.07E-10	RBP1	9.28E-01
ENSBTAG00000013602	1.24E-10	1.33E-10	BRWD1	9.31E-01
ENSBTAG000000015163	3.18E-10	3.39E-10	TM4SF1	9.37E-01
ENSBTAG000000031618	2.99E-10	3.20E-10	WDR49	9.36E-01
ENSBTAG00000012850	2.16E-10	2.31E-10	NME9	9.37E-01
ENSBTAG000000014797	4.28E-10	4.55E-10	SEC22A	9.40E-01
ENSBTAG000000023429	3.52E-10	3.73E-10	PLS1	9.43E-01
ENSBTAG000000023106	3.23E-10	3.42E-10		9.44E-01
ENSBTAG00000013013	8.41E-10	8.92E-10	GMPS	9.43E-01
ENSBTAG00000014306	7.81E-10	8.25E-10	DOPEY2	9.47E-01
ENSBTAG00000014660	3.23E-10	3.42E-10	WDR53	9.45E-01
ENSBTAG00000001535	3.91E-10	4.13E-10	LIPH	9.47E-01
ENSBTAG00000001293	7.48E-10	7.90E-10	MAATS1	9.46E-01
ENSBTAG000000030775	3.13E-10	3.30E-10	PCBP3	9.48E-01
ENSBTAG000000006975	4.52E-10	4.76E-10	SI	9.51E-01
ENSBTAG000000039151	4.48E-10	4.70E-10	HTR1F	9.53E-01
ENSBTAG00000011880	3.05E-10	3.19E-10	CHAF1B	9.55E-01
ENSBTAG000000013727	7.36E-10	7.71E-10	UMPS	9.55E-01
ENSBTAG000000001395	1.85E-10	1.93E-10	C21orf91	9.58E-01
ENSBTAG00000020106	1.11E-10	1.16E-10	AP2M1	9.54E-01
ENSBTAG00000013755	6.33E-10	6.61E-10	ITGB5	9.57E-01
ENSBTAG000000008482	2.31E-10	2.41E-10	SON	9.60E-01
ENSBTAG000000048276	9.74E-10	1.02E-09	TFF1	9.55E-01
ENSBTAG00000012347	3.97E-10	4.14E-10	SLC51A	9.60E-01
ENSBTAG00000012463	4.04E-10	4.21E-10	ZMAT3	9.60E-01
ENSBTAG00000013629	3.79E-10	3.95E-10	WRB	9.60E-01
ENSBTAG000000030921	7.07E-10	7.35E-10	FAM3B	9.63E-01
ENSBTAG000000047147	4.90E-10	5.10E-10		9.61E-01
ENSBTAG00000013920	3.60E-10	3.73E-10		9.64E-01

ENSBTAG00000004154	4.12E-10	4.27E-10	SKIL	9.65E-01
ENSBTAG00000018768	3.61E-10	3.73E-10		9.68E-01
ENSBTAG00000004977	5.29E-10	5.45E-10	QTRT2	9.71E-01
ENSBTAG00000013600	1.43E-10	1.47E-10	PSMG1	9.73E-01
ENSBTAG00000022908	9.28E-10	9.56E-10		9.71E-01
ENSBTAG00000016979	2.11E-10	2.16E-10	PCYT1A	9.76E-01
ENSBTAG00000009132	7.94E-10	8.14E-10	TMPRSS2	9.75E-01
ENSBTAG00000011267	6.96E-10	7.12E-10		9.77E-01
ENSBTAG00000014461	4.45E-10	4.56E-10	ANAPC13	9.77E-01
ENSBTAG00000000394	3.44E-10	3.51E-10	BACE2	9.80E-01
ENSBTAG00000001412	6.84E-10	6.95E-10	N6AMT1	9.84E-01
ENSBTAG00000004833	3.19E-10	3.23E-10	NIT2	9.87E-01
ENSBTAG00000002394	1.61E-10	1.62E-10	TMEM44	9.92E-01
ENSBTAG00000012140	3.09E-10	3.12E-10	ADGRG7	9.90E-01
ENSBTAG00000011659	3.04E-10	3.06E-10	PIGZ	9.93E-01
ENSBTAG00000010679	3.67E-10	3.70E-10	LRRC31	9.92E-01
ENSBTAG00000009851	4.43E-10	4.47E-10	ROBO1	9.92E-01
ENSBTAG00000000522	1.76E-10	1.77E-10	AHSG	9.95E-01
ENSBTAG00000015150	1.83E-10	1.85E-10	IL12A	9.92E-01
ENSBTAG00000013219	4.66E-10	4.69E-10	PEX5L	9.94E-01
ENSBTAG00000000496	2.37E-10	2.38E-10	SLC12A8	9.96E-01
ENSBTAG00000014843	3.96E-10	3.97E-10	COPB2	9.96E-01
ENSBTAG00000006479	1.03E-09	1.04E-09	CAPN7	9.94E-01
ENSBTAG00000006142	6.16E-10	6.19E-10	DHX36	9.95E-01
ENSBTAG000000048157	5.52E-10	5.52E-10		9.99E-01
ENSBTAG00000000160	4.45E-10	4.45E-10		1.00E+00
ENSBTAG00000016656	1.21E-10	1.21E-10	PARP14	9.97E-01
ENSBTAG00000004061	3.87E-10	3.86E-10	PP2D1	1.00E+00
ENSBTAG00000001968	1.61E-10	1.60E-10		1.00E+00
ENSBTAG00000001009	1.63E-10	1.63E-10	HCLS1	1.00E+00
ENSBTAG00000023384	6.40E-10	6.37E-10		1.00E+00
ENSBTAG00000019952	1.60E-10	1.59E-10	ARMC8	1.01E+00
ENSBTAG000000044111	4.05E-10	4.02E-10	EPHA6	1.01E+00
ENSBTAG00000001890	3.54E-10	3.52E-10	RUBCN	1.01E+00
ENSBTAG00000009614	3.03E-10	3.01E-10	NRROS	1.01E+00
ENSBTAG00000002640	5.93E-10	5.87E-10	KALRN	1.01E+00
ENSBTAG00000011524	1.12E-10	1.10E-10	XRN1	1.01E+00
ENSBTAG00000014721	6.21E-10	6.13E-10		1.01E+00
ENSBTAG00000011634	5.07E-10	5.01E-10	ACPP	1.01E+00
ENSBTAG00000010382	6.41E-10	6.32E-10	MUC13	1.01E+00
ENSBTAG00000023652	7.93E-10	7.80E-10	PROS1	1.02E+00
ENSBTAG00000009258	4.93E-10	4.83E-10	NEK11	1.02E+00
ENSBTAG00000038395	7.54E-10	7.38E-10		1.02E+00
ENSBTAG00000004471	2.36E-10	2.30E-10	ST3GAL6	1.03E+00
ENSBTAG00000023375	9.03E-10	8.82E-10	METTL6	1.02E+00
ENSBTAG00000022227	4.99E-10	4.86E-10		1.03E+00
ENSBTAG00000014302	3.07E-10	2.97E-10	TOMM70	1.03E+00
ENSBTAG00000035556	2.25E-10	2.18E-10		1.03E+00
ENSBTAG00000007814	2.02E-10	1.95E-10	WWTR1	1.03E+00
ENSBTAG00000006471	1.36E-10	1.30E-10	OSBPL11	1.05E+00
ENSBTAG00000016457	2.29E-10	2.19E-10	FXR1	1.05E+00
ENSBTAG00000006415	5.19E-10	4.96E-10	LRRIQ4	1.05E+00
ENSBTAG00000006147	7.89E-10	7.55E-10	GPR149	1.04E+00
ENSBTAG00000019404	7.72E-10	7.35E-10		1.05E+00
ENSBTAG00000021259	2.23E-10	2.13E-10	C2CD2	1.05E+00
ENSBTAG00000017140	1.39E-10	1.32E-10	KIAA1524	1.05E+00
ENSBTAG00000001918	4.64E-10	4.39E-10	STXBP5L	1.06E+00
ENSBTAG00000002232	1.99E-10	1.88E-10	TRPC1	1.06E+00
ENSBTAG00000031891	1.64E-10	1.55E-10	NLGN1	1.06E+00
ENSBTAG00000011143	7.64E-11	7.22E-11	KPNA1	1.06E+00
ENSBTAG00000010550	7.16E-10	6.77E-10	EIF5A2	1.06E+00
ENSBTAG00000018854	1.89E-10	1.79E-10		1.06E+00
ENSBTAG00000018399	3.72E-10	3.52E-10		1.06E+00
ENSBTAG00000020409	4.19E-10	3.95E-10	SPATC1L	1.06E+00
ENSBTAG00000005230	1.56E-10	1.47E-10	SHOX2	1.06E+00
ENSBTAG000000045991	2.10E-09	1.97E-09		1.07E+00
ENSBTAG00000021025	2.72E-10	2.56E-10	P3H2	1.06E+00
ENSBTAG00000038433	9.41E-10	8.87E-10		1.06E+00
ENSBTAG00000020404	2.12E-10	2.00E-10	FTCD	1.06E+00
ENSBTAG00000018402	1.65E-10	1.56E-10	TSC22D2	1.06E+00

ENSBTAG00000001416	4.51E-10	4.24E-10	GABRR3	1.06E+00
ENSBTAG00000008346	3.10E-10	2.91E-10		1.07E+00
ENSBTAG000000021703	3.27E-10	3.07E-10	MED12L	1.06E+00
ENSBTAG000000011147	7.77E-10	7.29E-10	RNF13	1.07E+00
ENSBTAG000000011138	1.02E-10	9.58E-11	CCDC58	1.07E+00
ENSBTAG000000008490	2.66E-10	2.49E-10	CRYZL1	1.07E+00
ENSBTAG000000001753	2.71E-10	2.52E-10		1.07E+00
ENSBTAG000000017115	8.84E-10	8.24E-10	TMEM41A	1.07E+00
ENSBTAG000000013317	1.59E-10	1.48E-10		1.08E+00
ENSBTAG000000013070	9.56E-11	8.90E-11	EAF2	1.07E+00
ENSBTAG000000018704	2.64E-10	2.45E-10	BTG3	1.08E+00
ENSBTAG000000003161	3.66E-10	3.39E-10	YBEY	1.08E+00
ENSBTAG000000003666	2.74E-10	2.54E-10	ZPLD1	1.08E+00
ENSBTAG0000000031346	4.63E-10	4.29E-10	ANKUB1	1.08E+00
ENSBTAG0000000011427	3.72E-10	3.44E-10		1.08E+00
ENSBTAG000000011569	7.49E-11	6.92E-11	AADAC	1.08E+00
ENSBTAG000000015065	6.84E-10	6.31E-10	TMPRSS7	1.08E+00
ENSBTAG000000019269	2.05E-10	1.88E-10	COL6A2	1.09E+00
ENSBTAG000000011921	2.24E-10	2.05E-10	TIGIT	1.09E+00
ENSBTAG000000039597	5.29E-10	4.84E-10	KRTAP27-1	1.09E+00
ENSBTAG000000003148	2.83E-10	2.59E-10	MCM3AP	1.09E+00
ENSBTAG0000000001749	4.04E-10	3.67E-10	SEN2P	1.10E+00
ENSBTAG000000018186	5.00E-10	4.54E-10	PDXK	1.10E+00
ENSBTAG000000005122	5.87E-10	5.33E-10	KNG1	1.10E+00
ENSBTAG0000000010793	3.46E-10	3.13E-10	CCDC80	1.10E+00
ENSBTAG000000005871	3.48E-10	3.16E-10	MECOM	1.10E+00
ENSBTAG000000018465	3.99E-10	3.61E-10	KCNAB1	1.11E+00
ENSBTAG000000003301	5.03E-10	4.55E-10	NCAM2	1.11E+00
ENSBTAG0000000032719	2.95E-10	2.66E-10	TFRC	1.11E+00
ENSBTAG000000046959	1.15E-10	1.03E-10		1.12E+00
ENSBTAG000000013205	3.27E-10	2.93E-10	IL1RAP	1.12E+00
ENSBTAG0000000016554	7.90E-10	7.07E-10	C3orf52	1.12E+00
ENSBTAG000000006494	4.80E-10	4.28E-10	CLDN16	1.12E+00
ENSBTAG000000010987	1.77E-10	1.58E-10	Mail	1.12E+00
ENSBTAG000000003140	2.42E-10	2.15E-10	CRYGS	1.12E+00
ENSBTAG000000016363	2.67E-10	2.36E-10	TFG	1.13E+00
ENSBTAG000000007039	2.78E-10	2.47E-10	FBXO25	1.13E+00
ENSBTAG0000000037965	1.39E-09	1.23E-09	ZSCAN23	1.13E+00
ENSBTAG000000023814	2.01E-10	1.78E-10	ECT2	1.13E+00
ENSBTAG0000000018727	3.50E-10	3.09E-10	GOLIM4	1.13E+00
ENSBTAG000000026156	2.46E-10	2.18E-10	VGLL3	1.13E+00
ENSBTAG000000013069	8.46E-11	7.48E-11	IQCB1	1.13E+00
ENSBTAG000000004975	2.55E-10	2.26E-10	CCDC191	1.13E+00
ENSBTAG000000017839	3.56E-10	3.13E-10	TIAM1	1.14E+00
ENSBTAG000000009942	4.92E-10	4.33E-10	PLCL2	1.14E+00
ENSBTAG000000023513	1.56E-10	1.37E-10	DNAJC19	1.14E+00
ENSBTAG000000021447	1.74E-10	1.53E-10	SIM2	1.14E+00
ENSBTAG000000011377	3.96E-10	3.48E-10		1.14E+00
ENSBTAG000000019589	7.86E-10	6.89E-10	C21orf2	1.14E+00
ENSBTAG000000017753	6.23E-10	5.45E-10	APP	1.14E+00
ENSBTAG000000003833	1.34E-10	1.17E-10	SLC35G2	1.15E+00
ENSBTAG000000023668	6.78E-10	5.90E-10		1.15E+00
ENSBTAG000000015198	6.39E-10	5.56E-10	DZIP1L	1.15E+00
ENSBTAG000000019129	5.14E-10	4.45E-10	BTD	1.16E+00
ENSBTAG000000005155	1.77E-10	1.54E-10	ARL13B	1.15E+00
ENSBTAG000000008111	6.92E-10	5.99E-10	ESYT3	1.16E+00
ENSBTAG000000004564	3.04E-10	2.62E-10	MBNL1	1.16E+00
ENSBTAG000000021276	8.29E-10	7.13E-10	TFF3	1.16E+00
ENSBTAG000000001274	3.13E-10	2.68E-10	PPM1L	1.17E+00
ENSBTAG000000011876	3.05E-10	2.60E-10	MORC3	1.17E+00
ENSBTAG000000027795	5.10E-10	4.35E-10	GFM1	1.17E+00
ENSBTAG000000015837	2.98E-10	2.53E-10	P2RY12	1.18E+00
ENSBTAG000000004869	6.05E-10	5.12E-10		1.18E+00
ENSBTAG000000008714	6.09E-10	5.13E-10	CLSTN2	1.19E+00
ENSBTAG000000016961	1.87E-10	1.57E-10	RAP2B	1.19E+00
ENSBTAG000000001451	4.25E-10	3.56E-10	A4GNT	1.19E+00
ENSBTAG000000003134	1.74E-10	1.46E-10		1.19E+00
ENSBTAG000000008461	1.96E-10	1.65E-10	LSG1	1.19E+00
ENSBTAG000000034442	2.12E-10	1.77E-10	LNP1	1.19E+00
ENSBTAG000000020762	4.85E-10	4.04E-10	HUNK	1.20E+00

ENSBTAG00000021158	3.03E-10	2.51E-10	SATB1	1.21E+00
ENSBTAG00000004495	2.12E-10	1.76E-10	UBA5	1.21E+00
ENSBTAG00000019332	5.54E-10	4.56E-10	SLC9C1	1.21E+00
ENSBTAG00000009014	5.33E-10	4.39E-10	UPK1B	1.21E+00
ENSBTAG00000018427	1.68E-10	1.38E-10	NCK1	1.21E+00
ENSBTAG00000001511	1.65E-10	1.35E-10	BCL6	1.22E+00
ENSBTAG00000021984	3.71E-10	3.05E-10	C21orf58	1.22E+00
ENSBTAG00000047570	6.46E-10	5.30E-10		1.22E+00
ENSBTAG00000004974	1.59E-10	1.30E-10	ZDHHHC23	1.23E+00
ENSBTAG00000016619	1.53E-10	1.26E-10	MIS18A	1.22E+00
ENSBTAG00000002896	4.59E-10	3.75E-10	KPNA6	1.22E+00
ENSBTAG00000025146	6.06E-10	4.94E-10	ZNF560	1.23E+00
ENSBTAG00000000456	5.76E-10	4.70E-10	pCPB	1.22E+00
ENSBTAG00000009085	2.59E-10	2.11E-10	SLC35A5	1.23E+00
ENSBTAG00000038651	7.67E-10	6.24E-10		1.23E+00
ENSBTAG00000035437	1.95E-10	1.59E-10	STAG1	1.23E+00
ENSBTAG00000007462	2.52E-10	2.04E-10	ASTE1	1.24E+00
ENSBTAG00000015221	3.07E-10	2.48E-10	PCCB	1.24E+00
ENSBTAG00000039820	5.79E-10	4.68E-10	CLDN8	1.24E+00
ENSBTAG00000011437	2.43E-10	1.97E-10		1.23E+00
ENSBTAG00000011140	9.96E-11	8.03E-11	FAM162A	1.24E+00
ENSBTAG00000004754	5.77E-10	4.64E-10	DSCAM	1.24E+00
ENSBTAG00000020456	4.01E-10	3.23E-10	AGPAT3	1.24E+00
ENSBTAG00000009219	5.82E-10	4.67E-10	CADM2	1.25E+00
ENSBTAG00000018777	2.40E-10	1.92E-10	ADCY5	1.25E+00
ENSBTAG00000010091	2.75E-10	2.20E-10	ARL6	1.25E+00
ENSBTAG00000000524	7.88E-10	6.30E-10		1.25E+00
ENSBTAG00000015413	3.92E-10	3.12E-10	RASA2	1.26E+00
ENSBTAG00000012797	1.50E-10	1.20E-10	DCUN1D1	1.25E+00
ENSBTAG00000017321	1.63E-10	1.30E-10	SUMO3	1.26E+00
ENSBTAG00000002966	8.76E-10	6.96E-10	DNAJC13	1.26E+00
ENSBTAG00000000973	3.34E-10	2.66E-10	KCNJ15	1.26E+00
ENSBTAG00000013663	2.64E-10	2.10E-10	CMSS1	1.26E+00
ENSBTAG00000018936	3.94E-10	3.12E-10	LSS	1.26E+00
ENSBTAG00000023411	9.08E-10	7.20E-10		1.26E+00
ENSBTAG00000011871	3.79E-10	3.00E-10	BTLA	1.26E+00
ENSBTAG00000007100	1.92E-10	1.52E-10	TRAPPC10	1.26E+00
ENSBTAG00000017407	3.09E-10	2.44E-10	HSF2BP	1.27E+00
ENSBTAG00000003179	1.76E-10	1.38E-10	RTP2	1.27E+00
ENSBTAG00000007444	5.98E-10	4.70E-10	MAP3K7CL	1.27E+00
ENSBTAG00000040061	1.81E-10	1.43E-10	ZBTB38	1.27E+00
ENSBTAG00000018538	5.87E-10	4.58E-10	CEP70	1.28E+00
ENSBTAG00000006158	2.09E-10	1.63E-10	DZIP3	1.28E+00
ENSBTAG00000020073	1.87E-10	1.45E-10	NCEH1	1.29E+00
ENSBTAG00000021791	2.81E-10	2.18E-10	PARP9	1.29E+00
ENSBTAG00000032538	4.13E-10	3.21E-10	TPRG1	1.29E+00
ENSBTAG00000046385	1.51E-10	1.17E-10	RAB5A	1.29E+00
ENSBTAG00000022155	1.78E-10	1.38E-10	FSTL1	1.29E+00
ENSBTAG00000007577	2.99E-10	2.30E-10	UBXN7	1.30E+00
ENSBTAG00000014749	1.15E-10	8.88E-11	ZIC4	1.30E+00
ENSBTAG00000000201	2.73E-10	2.09E-10	LTN1	1.31E+00
ENSBTAG00000026836	3.82E-10	2.92E-10		1.31E+00
ENSBTAG00000011529	1.73E-10	1.32E-10	ATR	1.31E+00
ENSBTAG00000003981	2.49E-10	1.90E-10	RRP1	1.31E+00
ENSBTAG00000007014	7.49E-11	5.70E-11	CEP63	1.31E+00
ENSBTAG00000011305	1.59E-10	1.21E-10		1.31E+00
ENSBTAG00000013192	2.18E-10	1.65E-10	CEP19	1.32E+00
ENSBTAG00000013664	1.26E-10	9.52E-11	FILIP1L	1.32E+00
ENSBTAG00000047943	5.03E-10	3.79E-10		1.33E+00
ENSBTAG00000033170	1.73E-10	1.30E-10	LRRC58	1.33E+00
ENSBTAG00000009336	3.40E-10	2.54E-10	LXN	1.34E+00
ENSBTAG00000015546	2.30E-10	1.71E-10	MINA	1.35E+00
ENSBTAG00000008562	4.39E-10	3.27E-10	POGLUT1	1.34E+00
ENSBTAG00000005068	9.81E-10	7.31E-10	COMMD2	1.34E+00
ENSBTAG00000018138	2.47E-10	1.84E-10	GK5	1.34E+00
ENSBTAG00000020996	1.92E-10	1.42E-10	CLDND1	1.35E+00
ENSBTAG00000021886	4.45E-10	3.28E-10	GRK7	1.36E+00
ENSBTAG00000005742	3.25E-10	2.40E-10		1.35E+00
ENSBTAG00000021251	2.57E-10	1.89E-10	RIPK4	1.36E+00
ENSBTAG00000015377	4.63E-10	3.41E-10	EPHB1	1.36E+00

ENSBTAG00000033679	3.12E-10	2.29E-10	HLCS	1.36E+00
ENSBTAG00000002998	1.48E-10	1.08E-10	MELTF	1.37E+00
ENSBTAG00000005946	2.81E-10	2.06E-10	USP13	1.36E+00
ENSBTAG00000012413	2.46E-10	1.79E-10	FGF12	1.37E+00
ENSBTAG00000013662	4.69E-10	3.42E-10	COL8A1	1.37E+00
ENSBTAG00000016323	4.58E-10	3.33E-10	SLC7A14	1.37E+00
ENSBTAG00000014751	1.19E-10	8.57E-11	ZIC1	1.39E+00
ENSBTAG00000007970	1.92E-10	1.38E-10	C3orf38	1.39E+00
ENSBTAG00000005212	2.86E-10	2.05E-10	C3orf70	1.39E+00
ENSBTAG00000017490	4.15E-10	2.97E-10	PLD1	1.40E+00
ENSBTAG00000011001	2.97E-10	2.12E-10	ERG	1.40E+00
ENSBTAG00000017486	6.85E-10	4.88E-10	ADARB1	1.40E+00
ENSBTAG00000032684	3.28E-10	2.33E-10		1.41E+00
ENSBTAG00000019376	2.37E-10	1.66E-10	FNDC3B	1.43E+00
ENSBTAG00000013937	3.17E-10	2.22E-10	SPICE1	1.43E+00
ENSBTAG00000021491	6.90E-10	4.84E-10	NDUFV3	1.43E+00
ENSBTAG00000005091	3.60E-10	2.52E-10	DGKG	1.43E+00
ENSBTAG00000003059	1.27E-10	8.88E-11		1.43E+00
ENSBTAG00000046755	9.80E-10	6.83E-10		1.43E+00
ENSBTAG00000017418	3.34E-10	2.31E-10	RRP1B	1.45E+00
ENSBTAG00000021906	4.32E-10	2.98E-10		1.45E+00
ENSBTAG00000003718	6.35E-10	4.38E-10	HACL1	1.45E+00
ENSBTAG00000031704	2.63E-10	1.81E-10		1.45E+00
ENSBTAG00000005522	1.09E-09	7.46E-10	PLSCR5	1.46E+00
ENSBTAG00000002623	3.49E-10	2.38E-10	SAMSN1	1.46E+00
ENSBTAG00000031561	2.82E-10	1.92E-10	RSRC1	1.47E+00
ENSBTAG00000015728	1.71E-10	1.16E-10	NSUN3	1.48E+00
ENSBTAG00000047608	3.06E-10	2.08E-10	MRPS22	1.47E+00
ENSBTAG00000000210	5.09E-10	3.42E-10	ARHGAP31	1.49E+00
ENSBTAG00000023426	3.66E-10	2.46E-10	FAIM	1.49E+00
ENSBTAG00000044001	2.51E-10	1.68E-10	LPP	1.49E+00
ENSBTAG00000013667	1.76E-10	1.17E-10		1.50E+00
ENSBTAG00000031802	6.59E-10	4.36E-10	SPATA16	1.51E+00
ENSBTAG00000021000	8.50E-11	5.61E-11	USF3	1.51E+00
ENSBTAG00000003143	4.67E-10	3.08E-10	TBCCD1	1.52E+00
ENSBTAG00000038512	3.32E-10	2.17E-10		1.53E+00
ENSBTAG00000031178	5.02E-10	3.27E-10	SLC9A9	1.53E+00
ENSBTAG00000007784	1.41E-10	9.18E-11	NAA50	1.53E+00
ENSBTAG00000030993	1.63E-10	1.06E-10	LCA5L	1.54E+00
ENSBTAG00000005787	4.54E-10	2.94E-10	IFT57	1.54E+00
ENSBTAG00000014589	3.24E-10	2.10E-10	CLDN18	1.54E+00
ENSBTAG00000011742	6.03E-10	3.88E-10	TNIK	1.55E+00
ENSBTAG00000013142	2.26E-10	1.46E-10	MYNN	1.55E+00
ENSBTAG00000015898	2.06E-10	1.32E-10	RABL3	1.56E+00
ENSBTAG00000005503	5.68E-10	3.63E-10	PRMT2	1.56E+00
ENSBTAG00000013118	3.02E-10	1.92E-10	CD86	1.58E+00
ENSBTAG00000000905	1.02E-09	6.44E-10	RAB6B	1.58E+00
ENSBTAG00000017180	1.11E-10	7.01E-11	SLITRK3	1.59E+00
ENSBTAG00000039255	2.42E-10	1.52E-10	CLDN17	1.59E+00
ENSBTAG00000016624	9.60E-11	6.04E-11		1.59E+00
ENSBTAG00000011645	1.52E-10	9.55E-11		1.59E+00
ENSBTAG00000047293	4.72E-11	2.97E-11	NRIP1	1.59E+00
ENSBTAG00000031397	1.79E-10	1.13E-10	P2RY13	1.59E+00
ENSBTAG00000026259	4.89E-10	3.08E-10		1.59E+00
ENSBTAG00000039334	6.03E-10	3.79E-10		1.59E+00
ENSBTAG00000023447	2.65E-10	1.67E-10		1.58E+00
ENSBTAG00000004126	1.13E-10	7.12E-11	MLF1	1.59E+00
ENSBTAG00000013141	1.70E-10	1.07E-10	ACTRT3	1.58E+00
ENSBTAG00000037933	3.30E-10	2.07E-10	KRTAP13-3	1.59E+00
ENSBTAG00000046040	2.11E-10	1.33E-10		1.59E+00
ENSBTAG00000038111	2.28E-10	1.44E-10		1.58E+00
ENSBTAG00000008343	1.79E-10	1.13E-10		1.58E+00
ENSBTAG00000045820	7.65E-10	4.81E-10		1.59E+00
ENSBTAG00000046015	1.33E-09	8.30E-10		1.60E+00
ENSBTAG00000006548	2.59E-10	1.61E-10	MCCC1	1.61E+00
ENSBTAG00000023907	4.88E-10	3.04E-10	COL18A1	1.60E+00
ENSBTAG00000012467	3.55E-10	2.21E-10	MASP1	1.61E+00
ENSBTAG00000020787	5.71E-10	3.53E-10	PIK3R4	1.62E+00
ENSBTAG00000048057	2.85E-10	1.74E-10		1.64E+00
ENSBTAG00000006222	2.76E-10	1.68E-10	TFDP2	1.64E+00

ENSBTAG00000045704	7.16E-10	4.34E-10	IGSF11	1.65E+00
ENSBTAG00000023416	2.16E-10	1.30E-10	PPP2R3A	1.66E+00
ENSBTAG00000012837	7.78E-10	4.68E-10	COL6A6	1.66E+00
ENSBTAG00000005162	2.14E-10	1.28E-10	STX19	1.67E+00
ENSBTAG00000002462	5.59E-10	3.33E-10	MRPL47	1.68E+00
ENSBTAG00000001697	2.37E-10	1.42E-10	TRA2B	1.67E+00
ENSBTAG00000000752	4.29E-10	2.55E-10	SGO1	1.68E+00
ENSBTAG00000017416	1.19E-10	7.04E-11	KPNA4	1.68E+00
ENSBTAG00000014567	2.59E-10	1.52E-10	MYLK	1.70E+00
ENSBTAG00000007933	2.63E-10	1.52E-10	C3orf58	1.73E+00
ENSBTAG00000019060	2.04E-10	1.18E-10	CLDN11	1.72E+00
ENSBTAG00000007273	5.76E-10	3.31E-10	TF	1.74E+00
ENSBTAG00000007331	2.40E-10	1.38E-10	PLOD2	1.74E+00
ENSBTAG00000016999	3.01E-10	1.72E-10		1.75E+00
ENSBTAG00000018189	4.27E-10	2.44E-10		1.75E+00
ENSBTAG00000004705	2.94E-10	1.64E-10	ILDR1	1.80E+00
ENSBTAG000000031435	4.74E-10	2.62E-10	SELENOT	1.81E+00
ENSBTAG00000000648	1.76E-10	9.74E-11	ADAMT5	1.81E+00
ENSBTAG00000019314	3.41E-10	1.88E-10	USP25	1.81E+00
ENSBTAG00000007394	9.43E-10	5.20E-10		1.81E+00
ENSBTAG00000007666	2.04E-10	1.12E-10	IGF2BP2	1.82E+00
ENSBTAG00000000588	2.33E-10	1.27E-10	CHODL	1.83E+00
ENSBTAG00000013465	2.42E-10	1.31E-10	NXPE3	1.85E+00
ENSBTAG000000044075	6.15E-10	3.34E-10	SRPRB	1.84E+00
ENSBTAG000000000746	4.39E-10	2.38E-10	KAT2B	1.84E+00
ENSBTAG000000006811	3.77E-10	2.02E-10	EPHA3	1.87E+00
ENSBTAG00000017531	2.52E-10	1.35E-10	FETUB	1.86E+00
ENSBTAG00000015460	3.41E-10	1.81E-10	TP63	1.88E+00
ENSBTAG000000040161	3.20E-10	1.69E-10		1.89E+00
ENSBTAG000000021819	3.87E-10	2.03E-10	IFNAR1	1.91E+00
ENSBTAG00000040031	1.20E-10	6.29E-11	ZNF148	1.90E+00
ENSBTAG000000030581	2.56E-10	1.34E-10	TBC1D5	1.91E+00
ENSBTAG000000006409	1.55E-10	8.12E-11	LRRC34	1.90E+00
ENSBTAG000000002460	3.53E-10	1.84E-10	ACTL6A	1.92E+00
ENSBTAG000000004459	6.31E-10	3.29E-10		1.92E+00
ENSBTAG000000021987	1.14E-09	5.90E-10	GPX5	1.92E+00
ENSBTAG000000033166	1.21E-10	6.22E-11	SLC15A2	1.94E+00
ENSBTAG00000014915	3.16E-10	1.62E-10	ETV5	1.95E+00
ENSBTAG00000018657	2.65E-10	1.36E-10	ATP13A5	1.95E+00
ENSBTAG000000018994	3.93E-10	2.02E-10	TNFSF10	1.95E+00
ENSBTAG000000002182	7.49E-10	3.84E-10	COX17	1.95E+00
ENSBTAG00000012867	2.29E-10	1.18E-10	TXLNA	1.94E+00
ENSBTAG000000002463	3.48E-10	1.78E-10	NDUFB5	1.95E+00
ENSBTAG000000004791	3.95E-10	2.02E-10	DSCR3	1.96E+00
ENSBTAG000000047216	3.43E-10	1.74E-10	NMNAT3	1.97E+00
ENSBTAG00000000569	1.28E-10	6.47E-11	HES1	1.98E+00
ENSBTAG00000014441	9.03E-10	4.56E-10	CD96	1.98E+00
ENSBTAG000000005652	1.54E-10	7.75E-11	ALG3	1.98E+00
ENSBTAG000000046637	6.26E-10	3.15E-10	ZBED2	1.99E+00
ENSBTAG000000002767	9.88E-10	4.96E-10	GNB4	1.99E+00
ENSBTAG000000000750	1.75E-10	8.73E-11	MSL2	2.00E+00
ENSBTAG00000014564	4.65E-10	2.32E-10	XXYL1	2.00E+00
ENSBTAG000000006947	2.24E-10	1.12E-10		2.00E+00
ENSBTAG00000013938	3.69E-10	1.83E-10	PHC3	2.01E+00
ENSBTAG00000012646	8.72E-10	4.32E-10	PLCXD2	2.02E+00
ENSBTAG00000010357	5.91E-10	2.92E-10	ST6GAL1	2.02E+00
ENSBTAG00000040193	1.07E-09	5.25E-10	COLQ	2.04E+00
ENSBTAG00000002132	5.48E-10	2.69E-10	DRD3	2.04E+00
ENSBTAG00000011928	2.71E-10	1.32E-10	ZBTB20	2.05E+00
ENSBTAG000000048090	2.39E-10	1.17E-10	UBE2G2	2.04E+00
ENSBTAG00000017103	3.59E-10	1.75E-10	MAP3K13	2.05E+00
ENSBTAG000000000290	2.21E-10	1.07E-10	ATP11B	2.06E+00
ENSBTAG000000000476	2.23E-10	1.08E-10	THPO	2.07E+00
ENSBTAG000000003135	8.08E-10	3.89E-10	IQCJ	2.08E+00
ENSBTAG00000009232	2.17E-10	1.04E-10	PIK3CA	2.08E+00
ENSBTAG00000001403	5.31E-10	2.54E-10	PRKCI	2.09E+00
ENSBTAG000000035710	4.95E-10	2.37E-10	ZBBX	2.09E+00
ENSBTAG000000009106	4.73E-10	2.25E-10	EIF2A	2.10E+00
ENSBTAG00000013439	7.42E-10	3.54E-10	ARHGEF26	2.10E+00
ENSBTAG00000019625	4.14E-10	1.97E-10	EHHADH	2.10E+00



ENSBTAG00000046051	1.42E-10	6.69E-11		2.12E+00
ENSBTAG00000010462	4.06E-10	1.90E-10	ROBO2	2.13E+00
ENSBTAG00000000597	5.93E-10	2.77E-10	TMPRSS15	2.14E+00
ENSBTAG00000013769	2.27E-10	1.05E-10	NECTIN3	2.16E+00
ENSBTAG00000013203	3.71E-10	1.72E-10	GP5	2.16E+00
ENSBTAG00000034347	6.31E-10	2.91E-10	RBM11	2.17E+00
ENSBTAG00000039442	2.72E-10	1.25E-10	SEC62	2.18E+00
ENSBTAG00000008240	7.42E-10	3.40E-10	GALNT15	2.18E+00
ENSBTAG00000021899	2.57E-10	1.17E-10	PDE9A	2.20E+00
ENSBTAG00000001464	2.62E-10	1.19E-10	GPR156	2.20E+00
ENSBTAG00000016848	1.78E-10	8.08E-11	GTF2E1	2.20E+00
ENSBTAG00000040199	2.59E-10	1.16E-10	POLR2H	2.23E+00
ENSBTAG00000006451	4.16E-10	1.86E-10	GAP43	2.24E+00
ENSBTAG00000024162	3.15E-10	1.41E-10	SLC19A1	2.23E+00
ENSBTAG00000002075	5.71E-10	2.54E-10	MME	2.25E+00
ENSBTAG00000004742	3.92E-10	1.74E-10	RUNX1	2.25E+00
ENSBTAG00000003151	1.94E-10	8.50E-11		2.28E+00
ENSBTAG00000013378	1.46E-10	6.38E-11		2.28E+00
ENSBTAG00000018682	4.32E-10	1.89E-10	SETD4	2.28E+00
ENSBTAG00000003378	3.13E-10	1.37E-10	ACAP2	2.29E+00
ENSBTAG000000044172	2.88E-10	1.24E-10	LMLN	2.32E+00
ENSBTAG00000013148	6.50E-10	2.79E-10	CLDN1	2.33E+00
ENSBTAG00000016556	6.58E-10	2.80E-10	GCSAM	2.35E+00
ENSBTAG00000021771	4.01E-10	1.70E-10	PTTG1IP	2.36E+00
ENSBTAG00000007818	2.72E-10	1.14E-10	POFUT2	2.38E+00
ENSBTAG00000046104	2.47E-10	1.04E-10	B3GALNT1	2.37E+00
ENSBTAG00000019557	3.98E-10	1.67E-10	NR1I2	2.38E+00
ENSBTAG00000032265	2.86E-10	1.20E-10		2.38E+00
ENSBTAG00000011598	1.68E-10	7.07E-11	SOX2	2.38E+00
ENSBTAG00000022275	3.82E-10	1.60E-10		2.39E+00
ENSBTAG00000040597	2.91E-10	1.21E-10		2.41E+00
ENSBTAG00000016305	3.53E-10	1.44E-10	ATP13A4	2.45E+00
ENSBTAG00000001265	4.46E-10	1.83E-10	HRG	2.44E+00
ENSBTAG00000004538	5.63E-10	2.29E-10	ZNF596	2.46E+00
ENSBTAG00000001771	3.63E-10	1.46E-10	DYRK1A	2.48E+00
ENSBTAG00000030836	1.84E-10	7.34E-11	ZBTB21	2.50E+00
ENSBTAG00000021910	3.76E-10	1.49E-10	TBL1XR1	2.52E+00
ENSBTAG00000023666	6.62E-10	2.62E-10		2.53E+00
ENSBTAG00000031709	2.85E-10	1.12E-10	PDCD10	2.55E+00
ENSBTAG00000021901	3.89E-10	1.53E-10	TRPM2	2.54E+00
ENSBTAG00000013057	2.99E-10	1.16E-10	CBLB	2.58E+00
ENSBTAG00000004891	8.08E-10	3.14E-10	OXNAD1	2.57E+00
ENSBTAG00000013321	4.39E-10	1.70E-10		2.58E+00
ENSBTAG00000010688	9.79E-11	3.79E-11	CSTA	2.58E+00
ENSBTAG00000020990	5.91E-10	2.29E-10	P2RY14	2.58E+00
ENSBTAG00000010485	4.39E-10	1.70E-10	MFN1	2.58E+00
ENSBTAG00000004599	6.17E-10	2.38E-10	TAGLN3	2.59E+00
ENSBTAG00000000088	3.88E-10	1.49E-10	ALCAM	2.60E+00
ENSBTAG00000013292	4.52E-10	1.72E-10	SIDT1	2.63E+00
ENSBTAG00000007105	4.69E-10	1.78E-10		2.64E+00
ENSBTAG00000046383	7.33E-10	2.73E-10		2.68E+00
ENSBTAG00000023607	2.06E-10	7.65E-11	HACD2	2.69E+00
ENSBTAG00000030670	5.23E-10	1.93E-10	PCNT	2.71E+00
ENSBTAG00000015310	3.34E-10	1.23E-10	SLC25A36	2.72E+00
ENSBTAG00000010658	5.67E-10	2.05E-10	PFKL	2.76E+00
ENSBTAG00000001324	4.32E-10	1.57E-10	SLCO2A1	2.75E+00
ENSBTAG00000011584	1.53E-10	5.51E-11	CHST2	2.78E+00
ENSBTAG00000011383	3.71E-10	1.33E-10	SNX4	2.79E+00
ENSBTAG00000021396	3.18E-10	1.14E-10	HEG1	2.78E+00
ENSBTAG00000024815	4.77E-10	1.71E-10	ANKRD28	2.79E+00
ENSBTAG00000021272	5.06E-10	1.81E-10	ABCG1	2.80E+00
ENSBTAG00000023377	8.85E-10	3.11E-10	SH3BP5	2.85E+00
ENSBTAG00000031010	5.08E-10	1.79E-10	ACAD11	2.84E+00
ENSBTAG00000018607	7.02E-10	2.45E-10	TSPEAR	2.87E+00
ENSBTAG00000047341	3.25E-10	1.14E-10		2.85E+00
ENSBTAG00000014140	3.83E-10	1.33E-10	ATP1B3	2.87E+00
ENSBTAG00000047093	1.13E-09	3.93E-10		2.88E+00
ENSBTAG00000000183	5.65E-10	1.95E-10	TRAT1	2.90E+00
ENSBTAG00000032656	1.94E-10	6.66E-11	CPN2	2.91E+00
ENSBTAG00000021284	7.68E-10	2.58E-10	RSPH1	2.98E+00

ENSBTAG00000003916	7.73E-10	2.57E-10	DPH3	3.01E+00
ENSBTAG000000017060	5.02E-10	1.67E-10	ITGB2	3.01E+00
ENSBTAG000000000213	3.28E-10	1.07E-10	TMEM39A	3.06E+00
ENSBTAG000000009392	3.05E-10	9.85E-11	PLA1A	3.10E+00
ENSBTAG000000012881	2.20E-10	7.08E-11	EIF4G1	3.11E+00
ENSBTAG000000020121	6.63E-10	2.12E-10	RWDD2B	3.13E+00
ENSBTAG000000001442	4.74E-10	1.51E-10		3.14E+00
ENSBTAG000000013806	4.83E-10	1.53E-10	EFHB	3.15E+00
ENSBTAG000000009235	4.85E-10	1.52E-10	KCNMB3	3.19E+00
ENSBTAG000000033319	3.39E-10	1.05E-10	CD200	3.22E+00
ENSBTAG000000021286	6.56E-10	2.00E-10	SLC37A1	3.28E+00
ENSBTAG000000001893	6.36E-10	1.94E-10	TM4SF4	3.28E+00
ENSBTAG000000006174	2.03E-10	6.18E-11	TMEM212	3.29E+00
ENSBTAG000000012908	2.02E-10	6.11E-11	HSPA13	3.31E+00
ENSBTAG000000012023	1.39E-09	4.18E-10		3.32E+00
ENSBTAG000000001235	8.07E-10	2.40E-10		3.36E+00
ENSBTAG000000006893	2.49E-10	7.44E-11	BBX	3.35E+00
ENSBTAG000000011192	4.25E-10	1.26E-10	GPR87	3.37E+00
ENSBTAG000000003585	1.95E-10	5.71E-11	CD47	3.42E+00
ENSBTAG000000016228	4.45E-10	1.28E-10	NMD3	3.47E+00
ENSBTAG000000023393	2.37E-10	6.72E-11	AIRE	3.52E+00
ENSBTAG000000000742	5.01E-10	1.43E-10	AMOTL2	3.50E+00
ENSBTAG000000011414	1.62E-10	4.54E-11	EIF2B5	3.57E+00
ENSBTAG000000002878	3.15E-10	8.81E-11	CHRD	3.58E+00
ENSBTAG000000018059	3.89E-10	1.08E-10	CD80	3.60E+00
ENSBTAG000000007106	5.54E-10	1.53E-10		3.62E+00
ENSBTAG000000037662	1.16E-09	3.22E-10		3.60E+00
ENSBTAG000000019336	1.93E-10	5.32E-11	DVL3	3.63E+00
ENSBTAG000000004971	3.55E-10	9.66E-11	GRAMD1C	3.67E+00
ENSBTAG000000040144	7.51E-10	2.02E-10		3.72E+00
ENSBTAG000000011626	5.80E-10	1.55E-10	ATP2C1	3.74E+00
ENSBTAG000000035844	4.97E-10	1.31E-10		3.79E+00
ENSBTAG000000015008	3.99E-10	1.03E-10	CPA3	3.87E+00
ENSBTAG000000010394	3.04E-10	7.82E-11	MCF2L2	3.89E+00
ENSBTAG000000023407	2.02E-10	5.09E-11	B3GALT5	3.97E+00
ENSBTAG000000040304	2.34E-10	5.88E-11	HTR3E	3.97E+00
ENSBTAG000000046854	7.34E-10	1.84E-10		3.99E+00
ENSBTAG000000004124	5.31E-10	1.30E-10	CPOX	4.08E+00
ENSBTAG000000005769	7.60E-10	1.85E-10		4.11E+00
ENSBTAG000000014880	2.84E-10	6.87E-11		4.13E+00
ENSBTAG000000012581	5.19E-10	1.22E-10	TIMMDC1	4.25E+00
ENSBTAG000000005658	1.49E-10	3.49E-11	ECE2	4.25E+00
ENSBTAG000000005209	5.16E-10	1.18E-10	VPS8	4.37E+00
ENSBTAG000000000502	1.20E-09	2.74E-10		4.39E+00
ENSBTAG000000005723	4.52E-10	1.01E-10	NEPRO	4.47E+00
ENSBTAG000000040399	1.23E-10	2.74E-11	VWA5B2	4.49E+00
ENSBTAG000000009154	5.42E-10	1.17E-10	U2SURP	4.63E+00
ENSBTAG000000014460	3.35E-10	7.20E-11	PARL	4.64E+00
ENSBTAG000000012120	1.25E-10	2.69E-11	TIPARP	4.62E+00
ENSBTAG000000019960	3.52E-10	7.52E-11	TM4SF18	4.68E+00
ENSBTAG000000009104	2.16E-10	4.52E-11	SERP1	4.76E+00
ENSBTAG000000046384	5.65E-10	1.18E-10	KRTAP24-1	4.79E+00
ENSBTAG000000039602	5.84E-10	1.22E-10		4.79E+00
ENSBTAG0000000031795	8.07E-10	1.68E-10		4.80E+00
ENSBTAG000000014713	9.21E-10	1.80E-10	RARRES1	5.12E+00
ENSBTAG000000034854	7.04E-10	1.33E-10	GRIK1	5.29E+00
ENSBTAG000000006552	1.84E-10	3.43E-11	LAMP3	5.36E+00
ENSBTAG000000023398	3.88E-10	7.15E-11	UBASH3A	5.43E+00
ENSBTAG000000017010	1.28E-09	2.35E-10	FAM207A	5.44E+00
ENSBTAG000000006920	1.46E-10	2.63E-11	ABCF3	5.54E+00
ENSBTAG000000009391	3.24E-10	5.81E-11	ADPRH	5.57E+00
ENSBTAG000000012284	2.10E-10	3.67E-11	CLCN2	5.71E+00
ENSBTAG000000015475	7.15E-10	1.21E-10	MORC1	5.91E+00
ENSBTAG000000002185	4.29E-10	7.09E-11	RNF7	6.05E+00
ENSBTAG000000001390	4.96E-10	8.04E-11	B4GALT4	6.17E+00
ENSBTAG000000006534	2.80E-10	4.49E-11	GTPBP8	6.23E+00
ENSBTAG000000014034	6.28E-10	9.91E-11	PXYLP1	6.33E+00
ENSBTAG000000011139	7.87E-10	1.23E-10	BCHE	6.40E+00
ENSBTAG000000048011	6.51E-10	1.02E-10	GPR160	6.38E+00
ENSBTAG000000021280	4.46E-10	6.87E-11	TMPRSS3	6.48E+00

ENSBTAG00000030593	6.43E-10	9.77E-11		6.57E+00
ENSBTAG00000018228	8.25E-10	1.24E-10	SAMD7	6.65E+00
ENSBTAG00000013204	2.01E-10	3.01E-11	ATP13A3	6.65E+00
ENSBTAG00000014157	4.73E-10	6.85E-11		6.90E+00
ENSBTAG00000010397	1.85E-10	2.64E-11	B3GNT5	6.99E+00
ENSBTAG00000004601	2.81E-10	3.93E-11	ABHD10	7.14E+00
ENSBTAG00000011012	5.85E-10	8.16E-11		7.17E+00
ENSBTAG00000017666	3.21E-10	4.13E-11		7.75E+00
ENSBTAG00000002703	5.95E-10	7.55E-11	ATP6V1A	7.87E+00
ENSBTAG00000014724	1.30E-10	1.63E-11	EIF4A2	7.92E+00
ENSBTAG00000012273	1.28E-10	1.61E-11	FAM131A	7.90E+00
ENSBTAG00000006945	4.06E-10	4.70E-11		8.63E+00
ENSBTAG00000044148	3.87E-10	4.32E-11	UTS2B	8.94E+00
ENSBTAG00000030814	8.58E-10	9.47E-11	TFF2	9.06E+00
ENSBTAG00000005660	2.02E-10	2.21E-11	PSMD2	9.10E+00
ENSBTAG00000012708	3.36E-10	3.61E-11	SERPINI1	9.27E+00
ENSBTAG00000014727	3.48E-10	3.64E-11	RFC4	9.53E+00
ENSBTAG00000009933	1.21E-10	1.27E-11	DTX3L	9.49E+00
ENSBTAG00000019202	8.76E-10	9.13E-11	EAF1	9.59E+00
ENSBTAG00000001331	8.89E-10	9.02E-11	ERICH6	9.84E+00
ENSBTAG00000037393	6.10E-10	5.88E-11	ZNF639	1.03E+01
ENSBTAG00000018688	5.63E-10	5.27E-11	CBR3	1.07E+01
ENSBTAG00000037951	2.56E-10	2.35E-11	KLHL6	1.08E+01
ENSBTAG00000018703	3.92E-10	3.42E-11	OSTN	1.14E+01
ENSBTAG00000038103	7.11E-10	5.84E-11		1.22E+01
ENSBTAG00000001728	6.15E-10	4.92E-11	IGSF10	1.25E+01
ENSBTAG00000040291	1.25E-09	9.73E-11		1.28E+01
ENSBTAG00000019813	4.56E-10	3.13E-11	ADIPOQ	1.45E+01
ENSBTAG00000014882	6.78E-10	4.28E-11		1.58E+01
ENSBTAG00000013456	8.53E-10	4.96E-11	TMEM207	1.72E+01
ENSBTAG00000014451	4.03E-10	2.21E-11	YEATS2	1.82E+01
ENSBTAG00000017450	4.33E-10	1.91E-11	KLHL24	2.26E+01
ENSBTAG00000014153	2.61E-10	9.95E-12	PKNOX1	2.60E+01
ENSBTAG00000012706	9.62E-10	3.64E-11	RTP1	2.64E+01
ENSBTAG00000005386	9.40E-10	2.40E-11	SLC2A2	3.90E+01
ENSBTAG00000038131	4.12E-10	7.39E-12		5.50E+01
ENSBTAG00000001209	3.73E-10	3.40E-12	PHLDB2	1.07E+02
ENSBTAG00000039257	0	0		1.00E+00
ENSBTAG00000044154	0	0		1.00E+00
ENSBTAG000000045873	3.23E-10	0		3.23E+03
ENSBTAG00000024806	1.35E-10	0		1.35E+03
ENSBTAG00000020460	2.14E-10	0	DPPA2	2.14E+03
ENSBTAG00000045855	5.01E-10	0		5.01E+03
ENSBTAG00000015892	1.20E-10	0		1.20E+03
ENSBTAG00000014133	0	0		1.00E+00
ENSBTAG00000005430	1.05E-10	0	MB21D2	1.05E+03
ENSBTAG00000047841	0	0		1.00E+00
ENSBTAG00000005657	3.80E-11	0	CAMK2N2	3.81E+02
ENSBTAG00000014459	3.07E-10	0	MAP6D1	3.07E+03
ENSBTAG00000024623	1.30E-09	0		1.30E+04
ENSBTAG00000045637	0	0		1.00E+00
ENSBTAG00000046781	0	0		1.00E+00
ENSBTAG00000016306	0	0	PFDN4	1.00E+00
ENSBTAG00000035701	8.69E-10	0		8.69E+03
ENSBTAG00000030629	2.77E-10	0		2.77E+03
ENSBTAG00000047288	0	0		1.00E+00
ENSBTAG00000038900	4.02E-10	0		4.02E+03
ENSBTAG00000040418	0	0	PPP1CA	1.00E+00
ENSBTAG00000007296	6.64E-10	0		6.64E+03
ENSBTAG00000027113	2.00E-09	0		2.00E+04
ENSBTAG00000014449	1.98E-10	0		1.98E+03
ENSBTAG00000020997	0	0	GPR15	1.00E+00
ENSBTAG00000018731	7.73E-11	0		7.74E+02
ENSBTAG00000047144	0	0		1.00E+00
ENSBTAG00000005414	2.70E-10	0		2.70E+03
ENSBTAG00000047250	0	0	SPTSSB	1.00E+00
ENSBTAG00000003383	2.71E-10	0		2.71E+03
ENSBTAG00000017322	1.42E-10	0	ARL14	1.42E+03
ENSBTAG00000047247	0	0	C3orf80	1.00E+00
ENSBTAG00000008462	0	0	FAM43A	1.00E+00

ENSBTAG0000001465	4.96E-11	0	P2RY1	4.97E+02
ENSBTAG00000019670	1.73E-10	0	SUCNR1	1.73E+03
ENSBTAG00000046738	5.21E-10	0		5.21E+03
ENSBTAG00000031277	0	0	FOXL2	1.00E+00
ENSBTAG00000048305	0	0		1.00E+00
ENSBTAG00000035654	1.12E-10	0		1.12E+03
ENSBTAG00000019577	2.84E-10	0	ACKR4	2.85E+03
ENSBTAG00000045771	6.64E-10	0	KRTAP12-4	6.64E+03
ENSBTAG00000046859	4.21E-10	0		4.21E+03
ENSBTAG00000018610	7.14E-10	0		7.14E+03
ENSBTAG00000000972	8.91E-10	0		8.91E+03
ENSBTAG00000037616	8.83E-11	0	KCNJ6	8.84E+02
ENSBTAG00000039581	0	4.74E-11	HOXD4	2.11E-03
ENSBTAG00000004314	0	2.14E-10	HOXD12	4.67E-04
ENSBTAG00000012171	0	9.42E-11		1.06E-03
ENSBTAG00000009223	0	7.68E-11	SFN	1.30E-03
ENSBTAG00000013170	4.55E-11	2.68E-10	CTLA4	1.70E-01
ENSBTAG00000030367	1.50E-10	7.61E-10	RNF186	1.98E-01
ENSBTAG00000012763	7.99E-11	3.02E-10		2.65E-01
ENSBTAG00000012363	3.61E-10	1.35E-09		2.68E-01
ENSBTAG00000011909	1.14E-10	3.91E-10	ACVR1	2.90E-01
ENSBTAG00000015104	6.03E-11	2.03E-10	CCDC28B	2.98E-01
ENSBTAG00000009058	2.63E-10	8.31E-10	TMEM177	3.16E-01
ENSBTAG00000006136	2.43E-10	5.99E-10	CDA	4.06E-01
ENSBTAG00000000952	6.34E-11	1.42E-10	C2orf69	4.47E-01
ENSBTAG00000044093	8.43E-11	1.86E-10	A3GALT2	4.53E-01
ENSBTAG00000016030	7.91E-11	1.66E-10	HOXD10	4.77E-01
ENSBTAG00000000851	6.49E-11	1.36E-10	CYP20A1	4.78E-01
ENSBTAG00000019614	3.00E-10	6.11E-10	FAM76A	4.91E-01
ENSBTAG00000004519	4.45E-10	8.93E-10	ALPI	4.99E-01
ENSBTAG00000012816	1.67E-10	3.16E-10		5.29E-01
ENSBTAG000000047467	7.86E-11	1.49E-10		5.28E-01
ENSBTAG00000004267	1.15E-10	2.04E-10		5.64E-01
ENSBTAG00000047784	4.01E-10	7.09E-10	C2orf57	5.66E-01
ENSBTAG00000000266	1.45E-10	2.56E-10	NAB1	5.68E-01
ENSBTAG00000016895	8.48E-11	1.48E-10	NIPA2	5.73E-01
ENSBTAG00000019231	1.13E-10	1.97E-10	MAIP1	5.76E-01
ENSBTAG00000011017	1.44E-10	2.48E-10	ABI2	5.80E-01
ENSBTAG00000002283	1.11E-10	1.87E-10	FZD7	5.96E-01
ENSBTAG000000005517	5.16E-11	8.68E-11	NOP58	5.95E-01
ENSBTAG00000010938	7.81E-11	1.31E-10	C2H1orf64	5.97E-01
ENSBTAG00000019232	9.12E-11	1.51E-10	TYW5	6.04E-01
ENSBTAG00000015962	1.47E-10	2.43E-10	MMADHC	6.05E-01
ENSBTAG00000015834	2.68E-10	4.35E-10	ARHGEF4	6.17E-01
ENSBTAG00000012801	4.69E-10	7.46E-10	UPP2	6.29E-01
ENSBTAG00000014221	7.42E-11	1.17E-10	RSG1	6.35E-01
ENSBTAG000000039091	3.95E-10	6.12E-10		6.45E-01
ENSBTAG000000021526	5.11E-10	7.88E-10	RPRM	6.49E-01
ENSBTAG00000011658	1.02E-10	1.56E-10	PTPN18	6.56E-01
ENSBTAG00000005629	4.27E-10	6.51E-10	AIM1L	6.56E-01
ENSBTAG00000026994	3.28E-10	4.99E-10	C2orf88	6.57E-01
ENSBTAG00000018199	2.33E-10	3.53E-10	ZBTB8A	6.59E-01
ENSBTAG00000047806	2.81E-10	4.15E-10		6.76E-01
ENSBTAG00000007554	4.54E-10	6.58E-10	IFI6	6.90E-01
ENSBTAG000000021653	8.79E-11	1.27E-10	TRIP12	6.92E-01
ENSBTAG00000003403	4.80E-10	6.92E-10	PADI2	6.94E-01
ENSBTAG00000011971	2.68E-10	3.85E-10	NRP2	6.97E-01
ENSBTAG00000031595	1.49E-10	2.13E-10		6.99E-01
ENSBTAG000000005180	1.84E-10	2.63E-10	RBMS1	7.00E-01
ENSBTAG00000026696	4.10E-10	5.85E-10	DCDC2B	7.01E-01
ENSBTAG00000008510	4.08E-10	5.78E-10	FBXO42	7.07E-01
ENSBTAG00000012629	8.80E-11	1.23E-10	ZNF362	7.15E-01
ENSBTAG000000005353	1.16E-10	1.61E-10	DES	7.19E-01
ENSBTAG00000016894	3.87E-10	5.29E-10	CYFIP1	7.31E-01
ENSBTAG00000009163	1.83E-10	2.49E-10	TMEM234	7.33E-01
ENSBTAG00000018062	2.05E-10	2.74E-10	KIAA1522	7.47E-01
ENSBTAG00000006654	1.41E-10	1.86E-10	TANK	7.59E-01
ENSBTAG00000003866	3.82E-10	5.05E-10	PPP1R8	7.57E-01
ENSBTAG00000003253	3.73E-10	4.92E-10	NPPC	7.57E-01
ENSBTAG00000017437	3.08E-10	4.07E-10	TMEM237	7.57E-01

ENSBTAG00000010050	1.88E-10	2.45E-10	COL16A1	7.68E-01
ENSBTAG00000020855	1.20E-10	1.54E-10	PTPN4	7.81E-01
ENSBTAG00000034503	1.41E-10	1.78E-10		7.94E-01
ENSBTAG00000027694	2.79E-11	3.52E-11		7.94E-01
ENSBTAG00000021494	1.14E-10	1.44E-10	EN1	7.95E-01
ENSBTAG00000012376	4.57E-10	5.75E-10		7.94E-01
ENSBTAG00000018282	8.16E-11	1.03E-10	NIF3L1	7.92E-01
ENSBTAG00000046044	5.01E-10	6.32E-10		7.93E-01
ENSBTAG00000016033	4.88E-11	6.15E-11	HOXD9	7.95E-01
ENSBTAG00000005628	1.02E-10	1.29E-10	CD52	7.94E-01
ENSBTAG00000013282	4.46E-10	5.62E-10	NECAP2	7.93E-01
ENSBTAG00000014949	1.00E-10	1.26E-10	SP9	7.95E-01
ENSBTAG00000017855	4.08E-10	5.14E-10	ITM2C	7.94E-01
ENSBTAG00000046832	6.81E-10	8.58E-10		7.93E-01
ENSBTAG00000006059	8.94E-11	1.13E-10	TSN	7.92E-01
ENSBTAG00000037902	8.62E-11	1.09E-10	FAM229A	7.91E-01
ENSBTAG00000033330	7.11E-11	8.96E-11	HOXD11	7.94E-01
ENSBTAG00000015222	3.46E-10	4.36E-10	RSRP1	7.94E-01
ENSBTAG00000020540	9.65E-11	1.22E-10	TMEM198	7.91E-01
ENSBTAG00000005140	3.05E-10	3.85E-10		7.93E-01
ENSBTAG00000000301	8.93E-11	1.12E-10		7.97E-01
ENSBTAG00000007280	4.37E-10	5.50E-10		7.94E-01
ENSBTAG00000015217	1.31E-10	1.65E-10	DLX1	7.96E-01
ENSBTAG00000015054	3.99E-10	5.03E-10	CRYGD	7.94E-01
ENSBTAG000000007580	1.40E-10	1.76E-10	ZSWIM2	7.94E-01
ENSBTAG00000012912	3.01E-10	3.79E-10	ERMN	7.94E-01
ENSBTAG00000003927	3.34E-11	4.21E-11	AAMP	7.94E-01
ENSBTAG00000002056	1.83E-10	2.31E-10	MARS2	7.94E-01
ENSBTAG00000017376	4.52E-10	5.62E-10	GALNT5	8.05E-01
ENSBTAG00000005207	2.66E-10	3.31E-10	COPS7B	8.03E-01
ENSBTAG00000032021	3.33E-10	4.12E-10	RALB	8.08E-01
ENSBTAG00000015715	1.56E-10	1.93E-10	SPOCD1	8.07E-01
ENSBTAG00000039994	3.52E-10	4.29E-10		8.21E-01
ENSBTAG00000007830	4.38E-10	5.33E-10	PLEKHM3	8.21E-01
ENSBTAG00000032481	4.49E-10	5.46E-10	DAPL1	8.22E-01
ENSBTAG00000008329	4.01E-10	4.87E-10	CYTIP	8.23E-01
ENSBTAG00000039346	8.73E-10	1.06E-09		8.23E-01
ENSBTAG00000016193	5.47E-10	6.64E-10	FASTKD2	8.24E-01
ENSBTAG00000038992	5.75E-10	6.96E-10	STK11IP	8.26E-01
ENSBTAG00000010378	2.35E-10	2.84E-10	PEF1	8.27E-01
ENSBTAG00000021600	3.31E-10	4.01E-10	KANSL1L	8.26E-01
ENSBTAG00000046649	5.36E-10	6.47E-10	SGPP2	8.28E-01
ENSBTAG00000010386	1.90E-10	2.28E-10	ARPC2	8.33E-01
ENSBTAG00000000815	1.37E-10	1.65E-10	EPHA2	8.33E-01
ENSBTAG00000031166	1.20E-10	1.43E-10	ZDBF2	8.37E-01
ENSBTAG00000014819	4.81E-10	5.74E-10	CRYBA2	8.38E-01
ENSBTAG00000011582	5.30E-10	6.32E-10		8.38E-01
ENSBTAG00000014094	4.92E-10	5.86E-10		8.40E-01
ENSBTAG00000006349	3.31E-10	3.93E-10	EXTL1	8.42E-01
ENSBTAG00000046940	5.63E-10	6.68E-10		8.44E-01
ENSBTAG00000003645	3.40E-10	4.02E-10	FSIP2	8.46E-01
ENSBTAG00000013449	1.91E-10	2.26E-10	RAB3GAP1	8.45E-01
ENSBTAG00000008452	1.83E-10	2.14E-10	IHH	8.55E-01
ENSBTAG00000019480	1.82E-10	2.13E-10	PDE6D	8.55E-01
ENSBTAG00000013916	3.45E-10	3.99E-10	HERC2	8.66E-01
ENSBTAG00000014158	1.53E-10	1.77E-10	CCNT2	8.67E-01
ENSBTAG00000009517	5.40E-10	6.20E-10		8.71E-01
ENSBTAG00000031473	3.23E-10	3.72E-10	ORC2	8.69E-01
ENSBTAG00000026676	1.18E-10	1.35E-10	SDC3	8.71E-01
ENSBTAG00000010598	3.59E-10	4.11E-10	EIF4E2	8.74E-01
ENSBTAG00000018236	1.32E-10	1.50E-10	EPB41L5	8.80E-01
ENSBTAG00000001297	4.09E-10	4.67E-10		8.76E-01
ENSBTAG00000021596	4.32E-10	4.91E-10	ICOS	8.81E-01
ENSBTAG00000004835	2.00E-10	2.27E-10	HOXD3	8.81E-01
ENSBTAG00000014390	1.15E-10	1.31E-10		8.82E-01
ENSBTAG00000026753	8.21E-10	9.30E-10		8.82E-01
ENSBTAG00000021787	1.49E-10	1.69E-10	PAQR7	8.83E-01
ENSBTAG00000017108	7.89E-10	8.93E-10	OTUD3	8.84E-01
ENSBTAG00000016817	2.03E-10	2.28E-10	SNRNP40	8.92E-01
ENSBTAG00000002316	5.49E-10	6.16E-10	NIPA1	8.92E-01

ENSBTAG00000021786	1.78E-10	1.99E-10	AUNIP	8.94E-01
ENSBTAG00000000492	5.66E-10	6.29E-10	ASNSD1	9.00E-01
ENSBTAG000000017629	4.27E-10	4.74E-10		9.01E-01
ENSBTAG000000014863	3.59E-10	3.98E-10	GYPC	9.01E-01
ENSBTAG000000010225	4.23E-10	4.69E-10	POLR2D	9.01E-01
ENSBTAG000000008800	5.59E-10	6.16E-10	XKR8	9.08E-01
ENSBTAG000000019337	1.87E-10	2.06E-10	ACVR1C	9.06E-01
ENSBTAG000000018520	5.79E-10	6.37E-10	SCN1A	9.09E-01
ENSBTAG000000026851	2.73E-10	3.00E-10	FMNL2	9.08E-01
ENSBTAG000000009950	3.44E-10	3.78E-10	PAX3	9.11E-01
ENSBTAG000000015841	1.61E-10	1.77E-10		9.09E-01
ENSBTAG000000006907	1.92E-10	2.11E-10	NEB	9.12E-01
ENSBTAG000000027201	2.08E-10	2.29E-10	RAPH1	9.09E-01
ENSBTAG000000001651	3.78E-10	4.14E-10	SYF2	9.13E-01
ENSBTAG000000000176	1.30E-10	1.42E-10	SP3	9.13E-01
ENSBTAG000000045943	5.65E-10	6.18E-10	CHNRG	9.15E-01
ENSBTAG000000018130	1.66E-10	1.81E-10	MAP2	9.17E-01
ENSBTAG000000047426	2.07E-10	2.26E-10	LYPD6	9.17E-01
ENSBTAG000000016063	3.72E-10	4.05E-10	DNER	9.19E-01
ENSBTAG000000009579	2.43E-10	2.64E-10	CEP85	9.21E-01
ENSBTAG000000037640	3.71E-10	4.02E-10	PID1	9.24E-01
ENSBTAG000000015415	2.28E-10	2.47E-10	UNC80	9.24E-01
ENSBTAG000000007863	2.23E-10	2.40E-10	GLS	9.28E-01
ENSBTAG000000003235	3.04E-10	3.28E-10	DHDDS	9.26E-01
ENSBTAG000000012217	8.13E-10	8.78E-10	PLA2G2F	9.26E-01
ENSBTAG000000013782	7.88E-11	8.51E-11	DNAJB2	9.26E-01
ENSBTAG000000046281	7.51E-10	8.10E-10		9.27E-01
ENSBTAG000000017797	1.91E-10	2.06E-10		9.27E-01
ENSBTAG000000008766	3.95E-10	4.26E-10	SLC9A1	9.27E-01
ENSBTAG000000012589	2.82E-10	3.04E-10	HSPE1	9.26E-01
ENSBTAG000000021781	2.24E-10	2.41E-10	MTFR1L	9.30E-01
ENSBTAG0000000038700	3.39E-10	3.63E-10	FAM124B	9.33E-01
ENSBTAG000000009631	6.81E-10	7.30E-10	ZNF683	9.33E-01
ENSBTAG000000008314	7.80E-10	8.35E-10	SDHB	9.34E-01
ENSBTAG000000002293	3.81E-10	4.07E-10	ARL5A	9.35E-01
ENSBTAG000000011390	3.73E-10	3.99E-10	CHRND	9.36E-01
ENSBTAG0000000034674	1.36E-10	1.46E-10		9.35E-01
ENSBTAG000000001513	2.13E-10	2.28E-10	PDIK1L	9.35E-01
ENSBTAG000000009057	4.48E-10	4.78E-10	CFAP221	9.38E-01
ENSBTAG000000010249	1.02E-10	1.09E-10	TMEM222	9.40E-01
ENSBTAG000000018653	4.21E-10	4.47E-10	NABP1	9.41E-01
ENSBTAG000000021327	6.19E-10	6.58E-10	DAW1	9.41E-01
ENSBTAG000000006085	1.21E-09	1.28E-09	DDOST	9.43E-01
ENSBTAG000000015718	2.39E-10	2.53E-10	CASP8	9.45E-01
ENSBTAG000000026812	4.01E-10	4.23E-10	AOX2	9.47E-01
ENSBTAG000000014407	2.85E-10	3.01E-10	INO80D	9.48E-01
ENSBTAG000000006261	3.26E-10	3.43E-10	GPR17	9.52E-01
ENSBTAG000000016217	3.00E-10	3.14E-10	RBM43	9.54E-01
ENSBTAG000000046032	6.39E-10	6.70E-10		9.54E-01
ENSBTAG000000001060	1.32E-10	1.39E-10	CXCR4	9.52E-01
ENSBTAG000000039437	3.74E-10	3.92E-10		9.53E-01
ENSBTAG000000005239	8.37E-10	8.78E-10		9.54E-01
ENSBTAG000000007445	1.28E-10	1.33E-10	CD28	9.59E-01
ENSBTAG000000012100	3.09E-10	3.24E-10	PDE1A	9.55E-01
ENSBTAG000000012334	4.41E-10	4.59E-10	ALS2CR12	9.60E-01
ENSBTAG000000021103	1.94E-10	2.02E-10	SLC35F5	9.60E-01
ENSBTAG000000011133	1.96E-10	2.04E-10	AP1S3	9.62E-01
ENSBTAG000000009664	4.75E-10	4.92E-10		9.66E-01
ENSBTAG000000006003	2.56E-10	2.64E-10	SAP130	9.69E-01
ENSBTAG000000040055	2.85E-10	2.94E-10	CAB39	9.70E-01
ENSBTAG000000012604	8.51E-10	8.75E-10	NCMAP	9.72E-01
ENSBTAG000000034949	2.11E-09	2.16E-09		9.75E-01
ENSBTAG000000010977	4.09E-10	4.18E-10	FRZB	9.79E-01
ENSBTAG000000006225	5.30E-10	5.41E-10	RPA2	9.80E-01
ENSBTAG000000014933	2.95E-10	3.00E-10	TRAK2	9.83E-01
ENSBTAG000000048246	1.28E-10	1.30E-10		9.86E-01
ENSBTAG000000026751	1.47E-10	1.50E-10	CFAP65	9.83E-01
ENSBTAG000000009777	5.30E-10	5.37E-10	NUP35	9.87E-01
ENSBTAG000000016877	2.63E-10	2.66E-10	PLA2G2C	9.88E-01
ENSBTAG000000002138	4.71E-10	4.77E-10	PADI1	9.88E-01

ENSBTAG00000006262	4.06E-10	4.11E-10	LIMS2	9.89E-01
ENSBTAG00000040338	1.67E-10	1.68E-10	OBSL1	9.94E-01
ENSBTAG00000024632	5.20E-10	5.25E-10		9.91E-01
ENSBTAG00000007867	2.37E-10	2.39E-10	STAT1	9.91E-01
ENSBTAG00000013131	1.34E-10	1.35E-10	FAM110D	9.89E-01
ENSBTAG00000040547	4.86E-10	4.89E-10	UBXN10	9.94E-01
ENSBTAG00000020499	1.73E-09	1.74E-09		9.93E-01
ENSBTAG00000007996	6.56E-10	6.59E-10	HTR6	9.96E-01
ENSBTAG00000038180	4.74E-10	4.76E-10	SCN2A	9.97E-01
ENSBTAG00000019800	5.22E-10	5.21E-10	RUNX3	1.00E+00
ENSBTAG00000034192	1.89E-10	1.89E-10		1.00E+00
ENSBTAG00000009080	4.27E-10	4.25E-10	ITGB6	1.00E+00
ENSBTAG00000015066	2.66E-10	2.65E-10	LANCL1	1.00E+00
ENSBTAG00000017743	2.94E-10	2.92E-10	XIRP2	1.01E+00
ENSBTAG00000011808	4.71E-10	4.68E-10	MSTN	1.01E+00
ENSBTAG00000026842	3.15E-10	3.13E-10	ZRANB3	1.01E+00
ENSBTAG00000020548	3.01E-10	2.99E-10	AZIN2	1.01E+00
ENSBTAG00000012760	1.09E-10	1.08E-10	NDUFB3	1.01E+00
ENSBTAG00000014469	2.55E-10	2.53E-10	NBEAL1	1.01E+00
ENSBTAG00000038710	4.54E-10	4.50E-10		1.01E+00
ENSBTAG00000014783	5.75E-10	5.69E-10	CRYGC	1.01E+00
ENSBTAG00000021770	5.19E-10	5.14E-10	CRYGB	1.01E+00
ENSBTAG00000021762	1.99E-10	1.96E-10	ZC3H15	1.01E+00
ENSBTAG00000017258	1.82E-10	1.79E-10	ACSL3	1.02E+00
ENSBTAG00000026710	6.68E-10	6.55E-10	C2orf72	1.02E+00
ENSBTAG00000034680	1.04E-10	1.02E-10	FAM131C	1.02E+00
ENSBTAG00000021020	1.78E-10	1.75E-10	RIF1	1.02E+00
ENSBTAG00000006438	2.14E-10	2.10E-10	ACTL8	1.02E+00
ENSBTAG00000038042	2.41E-10	2.34E-10		1.03E+00
ENSBTAG00000005759	2.28E-09	2.22E-09		1.03E+00
ENSBTAG00000021832	1.76E-10	1.71E-10	HMGCL	1.03E+00
ENSBTAG00000014447	3.58E-10	3.47E-10	RPS6KA1	1.03E+00
ENSBTAG00000020537	1.42E-10	1.37E-10	ASIC4	1.03E+00
ENSBTAG00000011514	3.10E-10	2.99E-10	MRPL44	1.04E+00
ENSBTAG00000007998	6.84E-10	6.58E-10	TMCO4	1.04E+00
ENSBTAG00000008039	2.73E-10	2.63E-10	ACMSD	1.04E+00
ENSBTAG00000030718	2.47E-10	2.37E-10	SPATA3	1.04E+00
ENSBTAG0000001296	4.79E-10	4.59E-10	TMEM50A	1.04E+00
ENSBTAG00000012888	6.53E-10	6.23E-10	C2orf80	1.05E+00
ENSBTAG00000007395	1.49E-10	1.43E-10	ALS2	1.04E+00
ENSBTAG00000019683	3.94E-10	3.74E-10	LYPD6B	1.05E+00
ENSBTAG0000001899	2.42E-10	2.30E-10	KCNH7	1.05E+00
ENSBTAG00000016819	4.07E-10	3.86E-10	FABP3	1.05E+00
ENSBTAG00000035081	1.78E-10	1.68E-10		1.06E+00
ENSBTAG00000012620	6.30E-11	5.95E-11	FAM134A	1.06E+00
ENSBTAG00000005315	4.02E-10	3.80E-10	RPS6	1.06E+00
ENSBTAG00000033523	1.54E-10	1.45E-10		1.06E+00
ENSBTAG00000014849	9.69E-11	9.15E-11	GPATCH3	1.06E+00
ENSBTAG00000010366	1.27E-10	1.20E-10	HCRTR1	1.06E+00
ENSBTAG00000038318	5.43E-10	5.12E-10	AMER3	1.06E+00
ENSBTAG00000046176	2.37E-10	2.24E-10	SPEG	1.06E+00
ENSBTAG00000010940	1.49E-10	1.41E-10	HSPB7	1.06E+00
ENSBTAG00000003207	1.24E-10	1.17E-10	SP5	1.06E+00
ENSBTAG00000031918	2.30E-10	2.17E-10		1.06E+00
ENSBTAG00000039122	7.58E-10	7.13E-10	PLA2G5	1.06E+00
ENSBTAG00000021778	2.17E-10	2.03E-10	SELENON	1.07E+00
ENSBTAG0000001192	3.81E-10	3.58E-10	STX12	1.06E+00
ENSBTAG00000003650	1.85E-10	1.73E-10	NR4A2	1.07E+00
ENSBTAG00000006159	3.91E-10	3.64E-10	KCNJ3	1.07E+00
ENSBTAG00000016951	4.63E-10	4.31E-10	WDFY1	1.08E+00
ENSBTAG00000004416	2.07E-10	1.92E-10	NUDC	1.08E+00
ENSBTAG00000015330	1.84E-10	1.70E-10		1.08E+00
ENSBTAG00000003846	4.71E-10	4.34E-10	RPL37A	1.08E+00
ENSBTAG00000019152	5.86E-10	5.41E-10	NYAP2	1.08E+00
ENSBTAG00000013039	2.18E-09	2.00E-09		1.09E+00
ENSBTAG00000009251	3.34E-10	3.06E-10	SZRD1	1.09E+00
ENSBTAG00000027051	3.12E-10	2.86E-10	PTAFR	1.09E+00
ENSBTAG00000026684	3.84E-10	3.51E-10	SYNC	1.09E+00
ENSBTAG00000011256	3.00E-10	2.74E-10	MYO1B	1.09E+00
ENSBTAG00000016183	7.72E-10	7.06E-10		1.09E+00

ENSBTAG00000027159	1.94E-10	1.77E-10	ZBTB8OS	1.10E+00
ENSBTAG00000005501	2.17E-10	1.98E-10		1.10E+00
ENSBTAG000000011784	9.52E-11	8.66E-11	FGR	1.10E+00
ENSBTAG00000003069	5.54E-10	5.04E-10	MAN1C1	1.10E+00
ENSBTAG00000002700	1.31E-09	1.19E-09		1.10E+00
ENSBTAG000000021636	4.83E-10	4.39E-10	GPR155	1.10E+00
ENSBTAG000000012052	4.23E-10	3.84E-10	PADI4	1.10E+00
ENSBTAG000000002549	1.13E-10	1.02E-10		1.11E+00
ENSBTAG000000020961	2.09E-10	1.88E-10	DUSP19	1.11E+00
ENSBTAG000000010599	6.89E-10	6.19E-10	C2orf76	1.11E+00
ENSBTAG000000038104	1.61E-10	1.45E-10		1.11E+00
ENSBTAG000000019728	1.46E-10	1.31E-10	CD164L2	1.11E+00
ENSBTAG000000019385	4.16E-10	3.74E-10	SCN3A	1.11E+00
ENSBTAG000000003002	8.49E-10	7.59E-10	WDR75	1.12E+00
ENSBTAG000000032277	4.23E-10	3.77E-10	KYNU	1.12E+00
ENSBTAG000000016818	2.28E-10	2.03E-10		1.12E+00
ENSBTAG000000014714	2.42E-10	2.17E-10	TUBGCP5	1.12E+00
ENSBTAG000000021691	1.98E-10	1.76E-10	PSMD14	1.13E+00
ENSBTAG000000047837	2.24E-10	1.99E-10		1.12E+00
ENSBTAG000000014388	1.80E-10	1.60E-10	EIF3I	1.12E+00
ENSBTAG000000008309	6.60E-10	5.86E-10	ATP13A2	1.13E+00
ENSBTAG000000008390	4.37E-10	3.88E-10	DNAJC10	1.13E+00
ENSBTAG000000004418	4.18E-10	3.71E-10	PLA2G2E	1.13E+00
ENSBTAG000000013492	9.32E-10	8.27E-10	PRKAG3	1.13E+00
ENSBTAG000000023963	3.17E-10	2.80E-10	RHBDD1	1.13E+00
ENSBTAG000000005238	4.05E-10	3.58E-10	NCKAP5	1.13E+00
ENSBTAG000000021466	1.76E-10	1.55E-10	COL3A1	1.13E+00
ENSBTAG000000020191	2.21E-10	1.95E-10	FEV	1.13E+00
ENSBTAG000000018065	2.17E-10	1.91E-10	YARS	1.14E+00
ENSBTAG000000004216	3.06E-10	2.69E-10	MAP3K2	1.14E+00
ENSBTAG000000009859	2.95E-10	2.58E-10		1.14E+00
ENSBTAG000000020671	3.12E-10	2.72E-10	TRIM62	1.15E+00
ENSBTAG000000020159	2.11E-10	1.84E-10	NKAIN1	1.14E+00
ENSBTAG000000009770	1.98E-10	1.72E-10	GPD2	1.15E+00
ENSBTAG000000021201	1.29E-10	1.12E-10	FAM126B	1.16E+00
ENSBTAG000000002272	4.86E-10	4.22E-10	KCTD18	1.15E+00
ENSBTAG000000021514	5.85E-10	5.07E-10	DNPEP	1.15E+00
ENSBTAG000000021323	2.62E-10	2.27E-10	AGFG1	1.15E+00
ENSBTAG000000001050	2.69E-10	2.33E-10	LDLRAP1	1.15E+00
ENSBTAG000000010293	6.10E-10	5.26E-10		1.16E+00
ENSBTAG000000005476	2.01E-10	1.73E-10	METTL21A	1.16E+00
ENSBTAG000000015317	3.69E-10	3.16E-10	SLC4A10	1.17E+00
ENSBTAG000000003822	5.96E-10	5.10E-10	CROCC	1.17E+00
ENSBTAG000000018147	4.67E-10	4.00E-10	NXPH2	1.17E+00
ENSBTAG000000003936	1.35E-10	1.15E-10	PNKD	1.17E+00
ENSBTAG000000004184	2.00E-10	1.70E-10	WDSUB1	1.17E+00
ENSBTAG000000015103	1.73E-10	1.46E-10	IQCC	1.19E+00
ENSBTAG000000003867	4.30E-10	3.61E-10		1.19E+00
ENSBTAG000000047148	1.47E-10	1.24E-10		1.19E+00
ENSBTAG000000020539	9.53E-11	8.00E-11	CHPF	1.19E+00
ENSBTAG000000032405	2.32E-10	1.95E-10		1.19E+00
ENSBTAG000000003923	2.30E-10	1.93E-10	GPBAR1	1.19E+00
ENSBTAG000000012619	1.12E-10	9.41E-11	CNPPD1	1.19E+00
ENSBTAG000000016512	5.39E-10	4.53E-10	TTC21B	1.19E+00
ENSBTAG000000017684	3.52E-10	2.96E-10	NMUR1	1.19E+00
ENSBTAG000000017214	6.67E-10	5.59E-10		1.19E+00
ENSBTAG000000026882	7.04E-10	5.90E-10		1.19E+00
ENSBTAG000000004313	3.59E-10	3.01E-10	HOXD13	1.19E+00
ENSBTAG000000020527	8.54E-10	7.15E-10	IDH1	1.19E+00
ENSBTAG000000006223	5.98E-10	5.01E-10	THEMIS2	1.19E+00
ENSBTAG000000014975	4.42E-10	3.68E-10	SLC4A3	1.20E+00
ENSBTAG000000012698	1.21E-10	1.00E-10	HDAC1	1.21E+00
ENSBTAG000000013281	4.19E-10	3.48E-10		1.20E+00
ENSBTAG000000031041	1.63E-10	1.36E-10	NHEJ1	1.20E+00
ENSBTAG000000013773	3.13E-10	2.60E-10	PKP4	1.20E+00
ENSBTAG000000008717	5.00E-10	4.14E-10	SERPINE2	1.21E+00
ENSBTAG000000010657	1.61E-10	1.32E-10	ADGRB2	1.22E+00
ENSBTAG000000009707	2.67E-10	2.20E-10	MYL1	1.21E+00
ENSBTAG000000013957	1.68E-10	1.38E-10	GALNT3	1.22E+00
ENSBTAG000000003832	4.24E-10	3.48E-10	MFAP2	1.22E+00



ENSBTAG00000013511	3.06E-10	2.50E-10	VWA5B1	1.22E+00
ENSBTAG00000021325	2.27E-10	1.87E-10	SLC19A3	1.21E+00
ENSBTAG00000002678	2.94E-10	2.41E-10	MED18	1.22E+00
ENSBTAG00000009257	6.09E-10	4.98E-10	CERKL	1.22E+00
ENSBTAG00000005474	3.18E-10	2.60E-10	CREB1	1.22E+00
ENSBTAG00000004555	4.29E-10	3.49E-10	LRP2	1.23E+00
ENSBTAG00000003458	2.12E-10	1.72E-10	CDCA7	1.23E+00
ENSBTAG00000018446	2.06E-10	1.67E-10	GCA	1.23E+00
ENSBTAG00000039803	6.62E-10	5.39E-10	MYO7B	1.23E+00
ENSBTAG00000003202	3.09E-10	2.51E-10	OPRD1	1.23E+00
ENSBTAG00000004557	3.47E-10	2.81E-10	DHRS9	1.24E+00
ENSBTAG00000013235	2.36E-10	1.91E-10	TINAGL1	1.24E+00
ENSBTAG00000000684	8.07E-10	6.53E-10	ARHGEF10L	1.24E+00
ENSBTAG00000018125	4.58E-10	3.70E-10	KIF5C	1.24E+00
ENSBTAG00000012695	9.78E-11	7.88E-11	LCK	1.24E+00
ENSBTAG00000020777	4.36E-10	3.51E-10	ERCC3	1.24E+00
ENSBTAG00000006693	3.47E-10	2.79E-10	MTX2	1.24E+00
ENSBTAG00000010897	1.63E-10	1.30E-10	RESP18	1.25E+00
ENSBTAG00000030435	2.23E-10	1.79E-10	PNRC2	1.25E+00
ENSBTAG00000032369	7.38E-10	5.91E-10	NMI	1.25E+00
ENSBTAG00000013489	4.41E-10	3.52E-10	CYP27A1	1.25E+00
ENSBTAG00000034978	5.40E-10	4.30E-10	FAM168B	1.26E+00
ENSBTAG00000031696	5.09E-10	4.06E-10		1.25E+00
ENSBTAG00000002177	4.38E-10	3.49E-10	PIKFYVE	1.25E+00
ENSBTAG00000003327	2.59E-10	2.05E-10	RUFY4	1.26E+00
ENSBTAG00000013215	9.22E-10	7.32E-10	MREG	1.26E+00
ENSBTAG00000020655	1.54E-10	1.22E-10	BSDC1	1.26E+00
ENSBTAG00000018753	3.24E-10	2.56E-10	TMEM163	1.26E+00
ENSBTAG00000019399	1.36E-10	1.07E-10		1.27E+00
ENSBTAG00000004603	1.63E-10	1.29E-10	PHC2	1.27E+00
ENSBTAG00000009897	3.04E-10	2.40E-10	AGPS	1.27E+00
ENSBTAG00000008951	6.10E-10	4.80E-10	ALPL	1.27E+00
ENSBTAG00000019592	1.13E-10	8.90E-11	MBD5	1.27E+00
ENSBTAG00000013650	7.41E-10	5.80E-10		1.28E+00
ENSBTAG00000044097	3.70E-10	2.89E-10	KLF7	1.28E+00
ENSBTAG00000008140	2.37E-10	1.85E-10	FAP	1.28E+00
ENSBTAG00000012615	1.94E-10	1.52E-10	ZEB2	1.28E+00
ENSBTAG00000005670	2.20E-10	1.72E-10	ARHGEF19	1.28E+00
ENSBTAG00000020102	9.67E-10	7.55E-10	EPHA8	1.28E+00
ENSBTAG000000006157	9.07E-10	7.05E-10	HS6ST1	1.29E+00
ENSBTAG00000003479	2.29E-10	1.77E-10	MATN1	1.29E+00
ENSBTAG00000003472	6.61E-10	5.12E-10	ABCA12	1.29E+00
ENSBTAG00000015246	4.93E-10	3.81E-10	TAS1R2	1.29E+00
ENSBTAG00000032289	2.86E-10	2.20E-10	ARHGAP15	1.30E+00
ENSBTAG00000046699	3.78E-10	2.91E-10		1.30E+00
ENSBTAG00000006420	1.48E-10	1.13E-10	BMPR2	1.31E+00
ENSBTAG00000046672	2.71E-10	2.07E-10	ZDHHC18	1.31E+00
ENSBTAG00000019177	2.62E-10	2.00E-10	BIN1	1.31E+00
ENSBTAG00000021316	2.42E-10	1.84E-10	COL4A3	1.32E+00
ENSBTAG00000001755	1.74E-10	1.31E-10	NEUROD1	1.32E+00
ENSBTAG00000009580	2.53E-10	1.91E-10		1.33E+00
ENSBTAG00000018473	1.69E-10	1.27E-10	MARCO	1.33E+00
ENSBTAG00000007584	5.21E-10	3.92E-10	INPP1	1.33E+00
ENSBTAG00000011950	2.86E-10	2.14E-10	EMC1	1.33E+00
ENSBTAG00000008952	5.13E-10	3.83E-10	RAP1GAP	1.34E+00
ENSBTAG00000014400	3.01E-10	2.24E-10	E2F2	1.34E+00
ENSBTAG00000044055	6.92E-10	5.16E-10	THSD7B	1.34E+00
ENSBTAG00000016662	3.68E-10	2.74E-10	CPS1	1.34E+00
ENSBTAG00000031898	4.93E-10	3.67E-10	CNTNAP5	1.34E+00
ENSBTAG00000007141	5.28E-10	3.93E-10	GULP1	1.34E+00
ENSBTAG00000033690	4.23E-10	3.14E-10	BARD1	1.35E+00
ENSBTAG00000015169	1.80E-10	1.34E-10	UBXN4	1.34E+00
ENSBTAG00000018415	2.50E-10	1.85E-10	TLL4	1.35E+00
ENSBTAG00000000581	6.53E-10	4.83E-10	DOCK10	1.35E+00
ENSBTAG00000007787	4.16E-10	3.07E-10	HIBCH	1.36E+00
ENSBTAG00000020608	1.05E-10	7.69E-11	ATG9A	1.36E+00
ENSBTAG00000020610	1.52E-10	1.11E-10	ANKZF1	1.37E+00
ENSBTAG00000008483	3.48E-10	2.54E-10	CALCRL	1.37E+00
ENSBTAG00000016334	2.05E-10	1.50E-10	SATB2	1.37E+00
ENSBTAG00000038878	9.11E-10	6.64E-10	AOX4	1.37E+00

ENSBTAG00000039731	1.98E-10	1.44E-10	RND3	1.37E+00
ENSBTAG00000002425	2.89E-10	2.10E-10	SCN9A	1.38E+00
ENSBTAG000000017605	2.12E-10	1.53E-10	AK2	1.38E+00
ENSBTAG00000007719	2.89E-10	2.08E-10	MFSD6	1.39E+00
ENSBTAG00000002988	1.64E-10	1.18E-10	TMEM57	1.39E+00
ENSBTAG000000026638	2.19E-10	1.57E-10	CATSPER4	1.39E+00
ENSBTAG00000007652	4.17E-10	2.98E-10	RFTN2	1.40E+00
ENSBTAG00000005444	4.02E-10	2.86E-10	UGGT1	1.41E+00
ENSBTAG000000019387	1.25E-10	8.89E-11	NIFK	1.41E+00
ENSBTAG000000018374	1.12E-10	7.96E-11	WASF2	1.41E+00
ENSBTAG00000008072	1.09E-10	7.70E-11	SRSF10	1.41E+00
ENSBTAG00000003950	1.95E-10	1.37E-10	PROC	1.42E+00
ENSBTAG000000013772	1.97E-10	1.39E-10	SRRM1	1.42E+00
ENSBTAG000000010254	1.14E-10	8.00E-11	MAP3K6	1.43E+00
ENSBTAG000000002995	1.06E-10	7.39E-11	GMPPA	1.43E+00
ENSBTAG00000005416	9.77E-11	6.84E-11	PPIL3	1.43E+00
ENSBTAG000000030322	3.09E-10	2.16E-10	KLHDC7A	1.43E+00
ENSBTAG000000016297	1.11E-10	7.76E-11	CCNYL1	1.44E+00
ENSBTAG00000001627	8.02E-10	5.60E-10		1.43E+00
ENSBTAG00000009217	1.17E-10	8.19E-11	WNT10A	1.43E+00
ENSBTAG000000002977	2.62E-10	1.82E-10	ECE1	1.44E+00
ENSBTAG000000019291	2.64E-10	1.84E-10	GRB14	1.44E+00
ENSBTAG000000004554	4.04E-10	2.80E-10	CAPZB	1.44E+00
ENSBTAG000000015678	3.47E-10	2.39E-10	NEMP2	1.45E+00
ENSBTAG000000016430	4.29E-10	2.94E-10	METTL8	1.46E+00
ENSBTAG000000006970	2.24E-10	1.54E-10	OLA1	1.46E+00
ENSBTAG000000012966	2.65E-10	1.81E-10	SCRN3	1.46E+00
ENSBTAG000000016782	1.56E-10	1.07E-10	SLC39A10	1.46E+00
ENSBTAG000000007111	7.91E-10	5.34E-10	STEAP3	1.48E+00
ENSBTAG000000012647	3.41E-10	2.29E-10		1.49E+00
ENSBTAG000000018067	1.17E-10	7.83E-11	S100PBP	1.49E+00
ENSBTAG000000010413	5.19E-10	3.48E-10	TMEM169	1.49E+00
ENSBTAG000000031614	2.69E-10	1.80E-10	BOLL	1.50E+00
ENSBTAG000000019781	2.50E-10	1.67E-10	CLASP1	1.50E+00
ENSBTAG000000018114	1.71E-10	1.14E-10	ACVR2A	1.50E+00
ENSBTAG000000018746	1.88E-10	1.25E-10		1.50E+00
ENSBTAG000000010579	3.85E-10	2.55E-10	ACADL	1.51E+00
ENSBTAG000000020654	1.90E-10	1.26E-10	BAZ2B	1.51E+00
ENSBTAG000000047133	2.84E-10	1.87E-10		1.52E+00
ENSBTAG000000005987	2.36E-10	1.55E-10	WDR33	1.53E+00
ENSBTAG00000005085	2.42E-10	1.59E-10	TRIM63	1.52E+00
ENSBTAG00000007779	2.44E-10	1.60E-10	GTF3C3	1.53E+00
ENSBTAG00000005105	2.01E-10	1.31E-10	PAFAH2	1.53E+00
ENSBTAG000000018061	1.34E-10	8.75E-11	LNPK	1.53E+00
ENSBTAG000000044009	6.24E-10	4.05E-10	PPP1R1C	1.54E+00
ENSBTAG000000021322	2.33E-10	1.51E-10	TM4SF20	1.54E+00
ENSBTAG000000007650	2.02E-10	1.31E-10	SLC38A11	1.54E+00
ENSBTAG000000021769	2.93E-10	1.90E-10	CUL3	1.54E+00
ENSBTAG00000005562	3.85E-10	2.49E-10	GALNT13	1.54E+00
ENSBTAG000000019694	3.76E-10	2.43E-10	ADAM23	1.55E+00
ENSBTAG000000016000	1.62E-10	1.04E-10	CARF	1.56E+00
ENSBTAG000000038195	1.44E-10	9.27E-11	CD302	1.55E+00
ENSBTAG000000001024	1.90E-10	1.22E-10	ARID1A	1.56E+00
ENSBTAG000000010498	7.29E-10	4.66E-10	SLC40A1	1.56E+00
ENSBTAG000000012848	2.77E-10	1.76E-10	PTPRU	1.57E+00
ENSBTAG00000005235	3.35E-10	2.12E-10	DPP10	1.58E+00
ENSBTAG000000011964	1.60E-10	1.01E-10	DIS3L2	1.58E+00
ENSBTAG000000021525	1.24E-10	7.83E-11		1.59E+00
ENSBTAG000000015840	1.25E-10	7.89E-11	HOXD1	1.59E+00
ENSBTAG000000014405	4.81E-10	3.03E-10	OSBPL6	1.59E+00
ENSBTAG000000001357	1.37E-10	8.62E-11		1.59E+00
ENSBTAG000000021050	1.74E-10	1.10E-10	ECEL1	1.58E+00
ENSBTAG000000030425	1.02E-10	6.45E-11	ID3	1.59E+00
ENSBTAG000000008704	7.20E-11	4.54E-11	FIGN	1.59E+00
ENSBTAG000000002027	1.03E-10	6.49E-11	FAM167B	1.59E+00
ENSBTAG000000002363	2.36E-10	1.49E-10	SESN2	1.59E+00
ENSBTAG000000020606	5.78E-11	3.64E-11	ZFAND2B	1.59E+00
ENSBTAG000000010253	9.13E-11	5.75E-11	SYTL1	1.59E+00
ENSBTAG000000009562	1.52E-10	9.55E-11	ZNF593	1.59E+00
ENSBTAG000000018497	1.13E-10	7.12E-11	SDPR	1.59E+00

ENSBTAG00000038064	1.74E-10	1.10E-10		1.58E+00
ENSBTAG00000047783	3.79E-10	2.39E-10		1.59E+00
ENSBTAG00000019003	2.78E-10	1.75E-10	Trp1	1.59E+00
ENSBTAG00000003771	3.40E-10	2.14E-10	C1QL2	1.59E+00
ENSBTAG00000047452	5.51E-10	3.46E-10		1.59E+00
ENSBTAG00000005986	2.47E-10	1.56E-10	SFT2D3	1.59E+00
ENSBTAG00000038945	2.96E-10	1.87E-10	PADI6	1.59E+00
ENSBTAG00000015291	2.01E-10	1.26E-10	ORC4	1.59E+00
ENSBTAG00000008142	1.59E-10	9.89E-11	IFIH1	1.60E+00
ENSBTAG00000046977	1.12E-09	6.93E-10		1.61E+00
ENSBTAG00000001132	2.22E-10	1.39E-10	GTDC1	1.60E+00
ENSBTAG00000003819	2.22E-10	1.37E-10	STK36	1.62E+00
ENSBTAG00000020296	4.66E-10	2.89E-10	UBR3	1.61E+00
ENSBTAG00000003401	2.24E-10	1.39E-10	ACTR3	1.61E+00
ENSBTAG00000004177	3.75E-10	2.31E-10	TANC1	1.62E+00
ENSBTAG00000018552	5.16E-10	3.14E-10	VWC2L	1.64E+00
ENSBTAG00000019116	2.18E-10	1.32E-10		1.65E+00
ENSBTAG00000012289	5.70E-10	3.44E-10		1.66E+00
ENSBTAG00000010426	2.59E-10	1.56E-10	XRCC5	1.66E+00
ENSBTAG00000040497	1.38E-10	8.25E-11		1.68E+00
ENSBTAG00000003843	3.01E-10	1.79E-10	SMARCAL1	1.68E+00
ENSBTAG00000010051	2.02E-10	1.20E-10	LGSN	1.68E+00
ENSBTAG00000010998	3.06E-10	1.82E-10	CFLAR	1.68E+00
ENSBTAG00000013798	7.19E-11	4.26E-11	PTPRN	1.69E+00
ENSBTAG00000013196	1.36E-10	8.02E-11	STK17B	1.69E+00
ENSBTAG00000012554	3.51E-10	2.06E-10	ANKAR	1.70E+00
ENSBTAG00000006821	5.24E-10	3.04E-10	PECR	1.72E+00
ENSBTAG00000020416	1.60E-10	9.26E-11	PGAP1	1.73E+00
ENSBTAG00000017436	7.51E-10	4.34E-10	ALS2CR11	1.73E+00
ENSBTAG00000018979	2.48E-10	1.43E-10	PUM1	1.73E+00
ENSBTAG00000003935	5.13E-11	2.94E-11	TMBIM1	1.74E+00
ENSBTAG00000002485	1.90E-10	1.09E-10	TNS1	1.74E+00
ENSBTAG00000047036	6.48E-10	3.70E-10	GPR39	1.75E+00
ENSBTAG00000018795	2.31E-10	1.31E-10	PMS1	1.76E+00
ENSBTAG00000005904	2.09E-10	1.19E-10	RBBP4	1.76E+00
ENSBTAG00000021580	3.01E-10	1.70E-10	HNRNPA3	1.77E+00
ENSBTAG00000000937	3.92E-10	2.22E-10	SSFA2	1.77E+00
ENSBTAG00000000730	2.29E-10	1.29E-10	GCG	1.78E+00
ENSBTAG00000012586	2.29E-10	1.29E-10	HSPD1	1.77E+00
ENSBTAG00000018744	4.03E-10	2.27E-10	MGAT5	1.77E+00
ENSBTAG00000037989	7.03E-10	3.95E-10		1.78E+00
ENSBTAG00000004659	3.14E-10	1.76E-10	COQ10B	1.78E+00
ENSBTAG00000018656	1.25E-10	7.00E-11	HP1BP3	1.78E+00
ENSBTAG00000002646	1.35E-10	7.53E-11	DYNC1I2	1.79E+00
ENSBTAG00000015752	2.67E-10	1.49E-10		1.79E+00
ENSBTAG00000015170	3.08E-10	1.72E-10	LCT	1.79E+00
ENSBTAG00000019252	3.32E-10	1.85E-10	KDF1	1.79E+00
ENSBTAG00000017452	4.59E-10	2.55E-10	RCAN3	1.80E+00
ENSBTAG00000009581	4.09E-10	2.27E-10	UBXN11	1.80E+00
ENSBTAG00000026585	5.73E-10	3.13E-10	TCEB3	1.83E+00
ENSBTAG00000014409	4.61E-10	2.52E-10	MAP3K19	1.83E+00
ENSBTAG00000013761	3.43E-10	1.88E-10		1.82E+00
ENSBTAG00000012561	4.74E-11	2.56E-11	ORMDL1	1.85E+00
ENSBTAG00000003225	1.15E-10	6.22E-11	IMP4	1.85E+00
ENSBTAG00000001861	7.41E-10	3.99E-10		1.86E+00
ENSBTAG00000006940	2.93E-10	1.57E-10	USP48	1.86E+00
ENSBTAG00000021726	1.51E-10	7.99E-11	CWC22	1.89E+00
ENSBTAG00000016448	6.28E-10	3.33E-10	ZBTB40	1.89E+00
ENSBTAG00000026122	3.08E-10	1.63E-10	ZNF804A	1.89E+00
ENSBTAG00000006084	9.57E-10	5.06E-10	PINK1	1.89E+00
ENSBTAG00000009500	1.65E-10	8.75E-11	KDM1A	1.89E+00
ENSBTAG00000019274	6.81E-10	3.60E-10	ATIC	1.89E+00
ENSBTAG00000013990	1.64E-10	8.60E-11	WNT6	1.91E+00
ENSBTAG00000002297	6.10E-10	3.20E-10		1.91E+00
ENSBTAG00000008716	2.46E-10	1.29E-10	SSB	1.91E+00
ENSBTAG00000012557	4.70E-10	2.46E-10	OSGEPL1	1.91E+00
ENSBTAG00000019371	3.33E-10	1.74E-10	CNR2	1.91E+00
ENSBTAG00000010344	7.62E-10	3.97E-10	SLC16A14	1.92E+00
ENSBTAG00000038275	5.75E-10	2.97E-10	CYP27C1	1.94E+00
ENSBTAG00000037804	2.54E-10	1.30E-10	IKZF2	1.95E+00

ENSBTAG00000047880	3.75E-10	1.92E-10		1.95E+00
ENSBTAG00000043989	5.44E-10	2.78E-10	EYA3	1.96E+00
ENSBTAG00000010030	2.92E-10	1.50E-10	EPHA4	1.95E+00
ENSBTAG00000032515	5.92E-10	3.02E-10	PLA2R1	1.96E+00
ENSBTAG00000020984	4.92E-10	2.51E-10	RAPGEF4	1.96E+00
ENSBTAG00000008755	2.13E-10	1.08E-10	07-Mar	1.97E+00
ENSBTAG00000018581	2.07E-10	1.05E-10	EPC2	1.97E+00
ENSBTAG00000014832	3.67E-10	1.85E-10	TMEFF2	1.98E+00
ENSBTAG00000040329	3.62E-10	1.82E-10	HTR1D	1.99E+00
ENSBTAG00000036258	6.65E-10	3.34E-10	SMIM10L1	1.99E+00
ENSBTAG00000047681	6.60E-10	3.31E-10		1.99E+00
ENSBTAG00000011195	7.78E-10	3.91E-10		1.99E+00
ENSBTAG00000008579	3.44E-10	1.71E-10	RCC2	2.01E+00
ENSBTAG00000026758	3.06E-10	1.51E-10		2.02E+00
ENSBTAG00000030434	3.17E-10	1.57E-10	FUCA1	2.02E+00
ENSBTAG0000001585	3.56E-10	1.76E-10	WIPF1	2.02E+00
ENSBTAG00000011951	3.45E-10	1.70E-10	MRT04	2.03E+00
ENSBTAG00000009796	2.02E-10	9.94E-11	PIGV	2.03E+00
ENSBTAG00000044179	5.88E-10	2.89E-10	CERS6	2.04E+00
ENSBTAG00000048151	8.37E-11	4.11E-11	PRPF40A	2.03E+00
ENSBTAG00000037702	8.32E-10	4.06E-10		2.05E+00
ENSBTAG00000016784	6.78E-10	3.28E-10	DNAH7	2.07E+00
ENSBTAG00000002594	1.76E-10	8.51E-11	ZNF436	2.06E+00
ENSBTAG00000016174	1.11E-10	5.36E-11		2.06E+00
ENSBTAG000000005477	2.80E-10	1.34E-10	LAPTM5	2.09E+00
ENSBTAG00000026986	4.14E-10	1.99E-10		2.08E+00
ENSBTAG00000011682	1.86E-10	8.91E-11	GLI2	2.08E+00
ENSBTAG00000043956	4.07E-10	1.95E-10	UBE2E3	2.09E+00
ENSBTAG00000012263	3.99E-10	1.91E-10	ASAP3	2.09E+00
ENSBTAG00000018413	8.78E-11	4.14E-11	FAM46B	2.12E+00
ENSBTAG00000039121	1.34E-10	6.35E-11	PTP4A2	2.11E+00
ENSBTAG00000008089	4.53E-10	2.13E-10	AMMECR1L	2.13E+00
ENSBTAG00000009256	6.12E-10	2.87E-10	ITGA4	2.13E+00
ENSBTAG00000010278	7.13E-10	3.33E-10	STPG1	2.14E+00
ENSBTAG00000030335	5.04E-10	2.35E-10	ALDH4A1	2.14E+00
ENSBTAG00000012997	7.48E-10	3.48E-10	SMPDL3B	2.15E+00
ENSBTAG00000007683	2.60E-10	1.20E-10	DCAF17	2.17E+00
ENSBTAG00000021588	1.64E-10	7.49E-11	SCG2	2.18E+00
ENSBTAG00000040215	2.44E-10	1.11E-10	EIF4G3	2.20E+00
ENSBTAG00000008330	8.70E-11	3.95E-11	RNF19B	2.20E+00
ENSBTAG00000001093	3.30E-10	1.47E-10	KLHL23	2.25E+00
ENSBTAG00000017695	3.20E-10	1.42E-10	CCDC150	2.25E+00
ENSBTAG00000038865	2.99E-10	1.32E-10	TCEA3	2.27E+00
ENSBTAG00000011992	7.93E-10	3.46E-10	PTH2R	2.29E+00
ENSBTAG00000007153	9.14E-10	3.94E-10	C1QA	2.32E+00
ENSBTAG00000017253	2.16E-10	9.15E-11	MECR	2.36E+00
ENSBTAG00000005002	1.07E-10	4.50E-11	GALE	2.38E+00
ENSBTAG00000030340	4.18E-10	1.76E-10		2.37E+00
ENSBTAG00000005741	1.08E-10	4.54E-11	DLX2	2.38E+00
ENSBTAG00000001359	1.98E-10	8.31E-11	B3GNT7	2.38E+00
ENSBTAG00000006049	1.36E-10	5.70E-11	BZW1	2.38E+00
ENSBTAG00000026788	1.94E-10	8.12E-11	SHOX	2.38E+00
ENSBTAG00000006342	2.19E-10	9.20E-11		2.38E+00
ENSBTAG00000037456	5.12E-11	2.15E-11	AHDC1	2.38E+00
ENSBTAG00000016748	3.30E-10	1.38E-10		2.39E+00
ENSBTAG00000026822	2.25E-10	9.45E-11		2.38E+00
ENSBTAG00000039046	1.36E-10	5.72E-11		2.38E+00
ENSBTAG00000014988	5.06E-10	2.12E-10		2.39E+00
ENSBTAG00000046783	8.25E-10	3.45E-10		2.39E+00
ENSBTAG00000001101	8.94E-10	3.72E-10	IFNLR1	2.40E+00
ENSBTAG00000007258	6.98E-10	2.88E-10	GAD1	2.42E+00
ENSBTAG00000013048	2.92E-10	1.21E-10	NIPAL3	2.42E+00
ENSBTAG00000009831	4.68E-10	1.91E-10	OCA2	2.45E+00
ENSBTAG00000045902	9.84E-10	3.96E-10	EPH82	2.49E+00
ENSBTAG00000015240	2.48E-10	9.93E-11	UBR4	2.50E+00
ENSBTAG00000010362	8.62E-10	3.45E-10	NOSTRIN	2.50E+00
ENSBTAG00000007239	2.05E-10	8.18E-11	TNFAIP6	2.50E+00
ENSBTAG00000016092	2.53E-10	1.01E-10	SPATS2L	2.50E+00
ENSBTAG00000008362	3.04E-10	1.21E-10	CTDSP1	2.51E+00
ENSBTAG00000032846	6.54E-10	2.58E-10	ERICH2	2.53E+00

ENSBTAG00000003120	4.57E-10	1.79E-10	ZNF385B	2.55E+00
ENSBTAG00000015520	2.17E-10	8.49E-11	SLC11A1	2.56E+00
ENSBTAG00000006355	3.25E-10	1.27E-10	SLC30A2	2.56E+00
ENSBTAG00000019255	2.95E-10	1.14E-10	NFE2L2	2.59E+00
ENSBTAG00000005234	3.70E-10	1.41E-10	LYPD1	2.62E+00
ENSBTAG00000011649	3.90E-10	1.48E-10	FARSB	2.63E+00
ENSBTAG00000027789	1.87E-10	7.09E-11	PPIG	2.64E+00
ENSBTAG00000014967	4.23E-10	1.60E-10	PAX7	2.64E+00
ENSBTAG00000018502	4.68E-10	1.77E-10	ARMC9	2.64E+00
ENSBTAG00000016578	2.00E-10	7.46E-11	HNRNPR	2.68E+00
ENSBTAG00000020696	2.18E-10	8.13E-11	HECW2	2.68E+00
ENSBTAG00000014432	2.18E-10	8.04E-11	HNMT	2.71E+00
ENSBTAG00000019298	6.32E-10	2.33E-10	STRADB	2.71E+00
ENSBTAG00000026885	3.94E-10	1.45E-10	ABCB11	2.72E+00
ENSBTAG00000000941	6.46E-10	2.37E-10	PLEKHB2	2.73E+00
ENSBTAG00000021310	4.78E-10	1.76E-10	COL4A4	2.72E+00
ENSBTAG00000007898	4.68E-10	1.71E-10	CYBRD1	2.74E+00
ENSBTAG00000038620	5.56E-10	2.02E-10	CIR1	2.75E+00
ENSBTAG00000003626	7.00E-10	2.53E-10	MYO3B	2.77E+00
ENSBTAG00000020905	1.37E-10	4.92E-11	RPL11	2.78E+00
ENSBTAG00000005408	7.92E-11	2.85E-11	CLK1	2.77E+00
ENSBTAG00000007765	1.17E-10	4.18E-11	TFCP2L1	2.79E+00
ENSBTAG00000019791	8.47E-10	3.01E-10	GRHL3	2.81E+00
ENSBTAG00000001100	1.11E-09	3.91E-10	IL22RA1	2.83E+00
ENSBTAG00000007635	5.15E-10	1.80E-10	PLCL1	2.86E+00
ENSBTAG00000001092	1.74E-10	5.98E-11	PHOSPHO2	2.91E+00
ENSBTAG00000019190	4.62E-10	1.55E-10	CPO	2.98E+00
ENSBTAG00000021328	4.94E-10	1.66E-10	SPHKAP	2.98E+00
ENSBTAG00000019075	5.65E-10	1.89E-10	METAP1D	2.99E+00
ENSBTAG00000046454	5.35E-10	1.79E-10	DYTN	2.99E+00
ENSBTAG00000017644	3.73E-10	1.24E-10	KIF17	3.01E+00
ENSBTAG00000008431	1.62E-10	5.28E-11	MOGAT1	3.07E+00
ENSBTAG00000033662	2.74E-10	8.74E-11	NCKAP1	3.14E+00
ENSBTAG00000021172	2.27E-10	7.19E-11	IWS1	3.15E+00
ENSBTAG00000012043	8.73E-10	2.76E-10	PADI3	3.16E+00
ENSBTAG00000006432	2.06E-10	6.47E-11	KCNE4	3.17E+00
ENSBTAG00000020652	2.09E-10	6.57E-11	TSSK3	3.17E+00
ENSBTAG00000020613	9.68E-11	3.05E-11	STK16	3.17E+00
ENSBTAG00000047490	9.99E-11	3.15E-11		3.17E+00
ENSBTAG00000020607	8.59E-11	2.70E-11	ABCB6	3.17E+00
ENSBTAG00000009502	1.06E-10	3.33E-11	LUZP1	3.17E+00
ENSBTAG00000001784	1.97E-10	6.21E-11	LDLRAD2	3.17E+00
ENSBTAG00000006918	2.89E-10	8.97E-11	TLK1	3.22E+00
ENSBTAG00000015077	3.54E-10	1.10E-10		3.22E+00
ENSBTAG00000002295	1.90E-10	5.84E-11	ATF2	3.25E+00
ENSBTAG00000033254	3.24E-10	9.78E-11	DFNB59	3.31E+00
ENSBTAG00000017122	4.71E-10	1.42E-10	HSPG2	3.32E+00
ENSBTAG00000045513	3.76E-10	1.13E-10		3.32E+00
ENSBTAG00000013619	6.44E-10	1.93E-10	SCTR	3.34E+00
ENSBTAG00000014885	8.61E-10	2.56E-10	MYOM3	3.36E+00
ENSBTAG00000001435	2.19E-10	6.51E-11	ARL6IP6	3.36E+00
ENSBTAG00000006667	2.27E-10	6.71E-11	EPB41	3.37E+00
ENSBTAG00000001083	2.57E-10	7.49E-11	ZAK	3.43E+00
ENSBTAG00000019929	4.10E-10	1.17E-10	ITGAV	3.51E+00
ENSBTAG00000010736	4.23E-10	1.18E-10		3.58E+00
ENSBTAG00000001090	1.69E-10	4.67E-11	CCDC173	3.60E+00
ENSBTAG00000026008	3.26E-10	9.00E-11	METTL5	3.62E+00
ENSBTAG00000001683	6.36E-10	1.74E-10	FAM171B	3.65E+00
ENSBTAG00000027875	7.38E-10	1.97E-10	CCDC141	3.75E+00
ENSBTAG00000008336	2.64E-10	7.00E-11	HPCA	3.77E+00
ENSBTAG00000008915	2.28E-10	6.02E-11	SF3B1	3.79E+00
ENSBTAG00000003944	3.37E-10	8.82E-11	CATIP	3.82E+00
ENSBTAG00000004241	3.55E-10	9.23E-11	G6PC2	3.84E+00
ENSBTAG00000027020	6.71E-10	1.72E-10	COL5A2	3.90E+00
ENSBTAG00000012618	1.99E-10	5.01E-11	SLC23A3	3.97E+00
ENSBTAG00000003813	1.03E-10	2.60E-11	BCS1L	3.97E+00
ENSBTAG00000030973	6.86E-11	1.73E-11		3.95E+00
ENSBTAG00000002727	1.85E-10	4.65E-11	PHACTR4	3.97E+00
ENSBTAG00000001097	2.66E-10	6.68E-11	FKBP7	3.97E+00
ENSBTAG00000021319	6.14E-10	1.53E-10		4.01E+00

ENSBTAG00000009470	2.31E-10	5.76E-11	CLIC4	4.01E+00
ENSBTAG00000039276	4.59E-10	1.13E-10		4.06E+00
ENSBTAG00000019137	6.90E-10	1.70E-10	SCN7A	4.05E+00
ENSBTAG00000005119	4.55E-10	1.12E-10	PSMD1	4.06E+00
ENSBTAG00000018385	2.09E-10	5.10E-11	DNAJC8	4.10E+00
ENSBTAG00000039772	3.48E-10	8.19E-11	HTR2B	4.24E+00
ENSBTAG00000001082	1.38E-10	3.17E-11	SH2D5	4.35E+00
ENSBTAG00000017162	6.54E-10	1.50E-10		4.36E+00
ENSBTAG00000021692	1.17E-10	2.68E-11	TBR1	4.35E+00
ENSBTAG00000026825	6.78E-10	1.53E-10	TMEM37	4.43E+00
ENSBTAG00000013455	4.71E-11	1.06E-11	SPOPL	4.41E+00
ENSBTAG00000011193	3.19E-10	7.08E-11	C1QC	4.50E+00
ENSBTAG00000030413	8.88E-10	1.91E-10	LACTBL1	4.65E+00
ENSBTAG00000021976	1.48E-10	3.15E-11	NDUFS1	4.67E+00
ENSBTAG00000021979	1.50E-10	3.14E-11	EEF1B2	4.76E+00
ENSBTAG00000014848	2.81E-10	5.90E-11	NR0B2	4.76E+00
ENSBTAG00000009972	1.65E-10	3.47E-11	INHA	4.76E+00
ENSBTAG00000027696	1.87E-10	3.91E-11		4.76E+00
ENSBTAG00000009949	6.11E-10	1.25E-10	DARS	4.89E+00
ENSBTAG00000013302	6.16E-10	1.22E-10	R3HDM1	5.04E+00
ENSBTAG00000008673	2.43E-10	4.71E-11	ICA1L	5.14E+00
ENSBTAG00000010338	4.04E-10	7.76E-11	FBXO36	5.20E+00
ENSBTAG00000021620	3.52E-10	6.70E-11	PITHD1	5.25E+00
ENSBTAG00000020850	4.31E-10	8.13E-11	MUL1	5.30E+00
ENSBTAG00000001096	6.32E-10	1.17E-10	PRKRA	5.40E+00
ENSBTAG00000020794	9.05E-10	1.62E-10		5.59E+00
ENSBTAG00000009937	1.20E-09	2.14E-10		5.62E+00
ENSBTAG00000001098	4.35E-10	7.70E-11	PLEKHA3	5.65E+00
ENSBTAG00000002112	4.99E-10	8.51E-11	INSIG2	5.86E+00
ENSBTAG00000005596	5.64E-10	9.60E-11	IGFBP2	5.87E+00
ENSBTAG00000018253	3.73E-10	6.32E-11	CHRNA1	5.90E+00
ENSBTAG00000017266	4.68E-10	7.66E-11	ITGA6	6.10E+00
ENSBTAG00000016192	4.86E-10	7.84E-11	MDH1B	6.19E+00
ENSBTAG00000018543	3.29E-10	5.22E-11	VIL1	6.29E+00
ENSBTAG00000020611	9.88E-11	1.55E-11	GLB1L	6.34E+00
ENSBTAG00000010741	1.99E-10	2.98E-11	KLHL41	6.66E+00
ENSBTAG00000022671	3.20E-10	4.67E-11	WNT4	6.84E+00
ENSBTAG00000019172	1.06E-09	1.51E-10	IGSF21	6.98E+00
ENSBTAG00000006168	6.08E-10	8.41E-11	RBM45	7.23E+00
ENSBTAG00000016396	6.84E-10	9.42E-11	PDE11A	7.25E+00
ENSBTAG00000015424	2.27E-10	3.03E-11	WDR12	7.48E+00
ENSBTAG00000014850	1.65E-10	2.18E-11	GPN2	7.53E+00
ENSBTAG00000008331	4.33E-10	5.73E-11	TMEM54	7.55E+00
ENSBTAG00000008300	5.21E-10	6.86E-11	FN1	7.58E+00
ENSBTAG00000001887	5.85E-10	7.69E-11	STAM2	7.59E+00
ENSBTAG00000016954	2.92E-10	3.73E-11	TMEM39B	7.82E+00
ENSBTAG00000016762	2.98E-10	3.66E-11	SLC25A12	8.12E+00
ENSBTAG00000008028	2.78E-10	3.39E-11	CHN1	8.17E+00
ENSBTAG00000007062	4.40E-10	4.98E-11	IGFBP5	8.83E+00
ENSBTAG00000031579	4.87E-10	5.36E-11	SGO2	9.07E+00
ENSBTAG00000016785	9.09E-10	9.86E-11		9.21E+00
ENSBTAG00000013218	8.37E-10	8.47E-11	GORASP2	9.88E+00
ENSBTAG00000013309	1.76E-10	1.61E-11	SRSF4	1.09E+01
ENSBTAG00000009725	7.14E-10	6.37E-11	AOX1	1.12E+01
ENSBTAG00000016572	2.58E-10	2.16E-11	USP37	1.19E+01
ENSBTAG00000003809	6.20E-10	5.00E-11	PLCD4	1.24E+01
ENSBTAG00000001700	2.86E-10	2.21E-11	CDC42	1.29E+01
ENSBTAG00000012497	1.18E-10	8.74E-12	KHDRBS1	1.34E+01
ENSBTAG00000010743	1.59E-10	1.16E-11	FASTKD1	1.36E+01
ENSBTAG00000026772	2.68E-10	1.95E-11	ZNF142	1.37E+01
ENSBTAG00000010048	7.59E-10	5.00E-11	SPC25	1.51E+01
ENSBTAG00000040602	3.90E-10	2.45E-11		1.59E+01
ENSBTAG00000003807	2.64E-10	1.55E-11	CNOT9	1.69E+01
ENSBTAG00000010118	2.26E-10	1.29E-11	HAT1	1.74E+01
ENSBTAG00000013085	5.36E-10	2.86E-11		1.87E+01
ENSBTAG00000011196	8.81E-10	4.59E-11	C1QB	1.92E+01
ENSBTAG00000016836	2.54E-10	1.29E-11	PDK1	1.96E+01
ENSBTAG00000026660	1.85E-10	8.62E-12		2.12E+01
ENSBTAG00000003817	2.39E-10	1.11E-11	RNF25	2.14E+01
ENSBTAG00000010221	4.69E-10	2.04E-11	CCDC93	2.29E+01

ENSBTAG00000039522	7.67E-10	3.27E-11		2.34E+01
ENSBTAG00000015771	2.23E-10	7.00E-12	YTHDF2	3.14E+01
ENSBTAG00000015172	6.89E-10	2.04E-11	MCM6	3.36E+01
ENSBTAG00000018549	8.62E-10	2.43E-11		3.53E+01
ENSBTAG00000010393	1.68E-10	4.41E-12	TRNAU1AP	3.74E+01
ENSBTAG00000002944	2.11E-10	0	ATP5G3	2.11E+03
ENSBTAG00000048306	2.32E-10	0		2.33E+03
ENSBTAG00000032017	0	0	INHBB	1.00E+00
ENSBTAG00000047862	0	0		1.00E+00
ENSBTAG00000003731	2.65E-10	0		2.65E+03
ENSBTAG00000040367	9.18E-11	0		9.19E+02
ENSBTAG00000048210	4.25E-10	0		4.25E+03
ENSBTAG00000030974	1.29E-10	0	TUBA4A	1.30E+03
ENSBTAG00000021326	2.39E-10	0	CCL20	2.40E+03
ENSBTAG00000002184	1.43E-10	0	FNDC5	1.43E+03
ENSBTAG00000046862	2.51E-11	0	MARCKSL1	2.52E+02
ENSBTAG00000001160	9.80E-11	0	GMEB1	9.81E+02
ENSBTAG00000048228	2.54E-10	0		2.55E+03
ENSBTAG00000003788	1.43E-10	0	RCC1	1.43E+03
ENSBTAG00000011625	7.73E-11	0		7.74E+02
ENSBTAG00000030269	6.39E-10	0		6.39E+03
ENSBTAG00000009156	7.91E-11	0	CAMK2N1	7.92E+02
ENSBTAG00000031711	4.42E-10	0		4.42E+03
ENSBTAG00000040494	3.70E-10	0	UBL5	3.70E+03
ENSBTAG00000046878	4.60E-10	0		4.61E+03
ENSBTAG00000003164	8.35E-11	0	B3GALT1	8.36E+02
ENSBTAG00000046347	0	0		1.00E+00
ENSBTAG00000016081	7.18E-10	0		7.18E+03
ENSBTAG00000032264	0	0		1.00E+00
ENSBTAG00000047466	0	0		1.00E+00
ENSBTAG00000026829	7.75E-11	0	TMEM185B	7.76E+02
ENSBTAG00000037816	0	0		1.00E+00
ENSBTAG00000024003	0	0		1.00E+00
ENSBTAG00000046521	4.81E-10	0		4.81E+03
ENSBTAG00000046029	0	0		1.00E+00
ENSBTAG00000017043	0	0	GPR1	1.00E+00
ENSBTAG00000020957	4.66E-11	0	FZD5	4.67E+02
ENSBTAG00000048219	4.72E-10	0		4.72E+03
ENSBTAG00000031052	0	0	CDK5R2	1.00E+00
ENSBTAG00000021308	1.10E-10	0	IRS1	1.10E+03
ENSBTAG00000023964	0	0		1.00E+00
ENSBTAG00000017431	0	0	GPR55	1.00E+00
ENSBTAG00000027930	3.77E-10	0		3.77E+03
ENSBTAG00000047524	0	0	TMEM200B	1.00E+00
ENSBTAG00000003676	1.20E-09	0		1.20E+04
ENSBTAG00000002505	0	0	GPR3	1.00E+00
ENSBTAG00000046988	0	0	FAM43B	1.00E+00
ENSBTAG00000047162	0	1.63E-10		6.13E-04
ENSBTAG00000047468	0	2.79E-10	FAM78B	3.58E-04
ENSBTAG00000007446	0	1.16E-10	NGF	8.61E-04
ENSBTAG00000039951	0	7.59E-11	PRMT6	1.32E-03
ENSBTAG00000030890	0	2.00E-10		5.00E-04
ENSBTAG00000046003	0	1.89E-10	HIST2H2AC	5.29E-04
ENSBTAG00000046915	8.76E-11	5.54E-10		1.58E-01
ENSBTAG00000003616	1.39E-11	5.27E-11	DCLRE1B	2.66E-01
ENSBTAG00000037546	8.58E-11	3.25E-10		2.64E-01
ENSBTAG00000005149	2.90E-11	1.10E-10	AQP10	2.64E-01
ENSBTAG00000015060	4.54E-10	1.56E-09	GBP5	2.91E-01
ENSBTAG00000015329	1.06E-10	3.35E-10	FAM63A	3.17E-01
ENSBTAG00000010033	2.71E-10	8.39E-10		3.23E-01
ENSBTAG00000015776	2.49E-10	7.35E-10	MFSD14A	3.40E-01
ENSBTAG00000017564	2.73E-10	7.17E-10	CGN	3.81E-01
ENSBTAG00000020356	1.38E-10	3.61E-10		3.82E-01
ENSBTAG00000000098	1.37E-10	3.56E-10	SETDB1	3.86E-01
ENSBTAG00000015304	2.33E-10	5.98E-10	ANXA9	3.89E-01
ENSBTAG00000000963	2.66E-10	6.73E-10		3.96E-01
ENSBTAG00000038604	1.08E-10	2.73E-10		3.96E-01
ENSBTAG00000026613	7.85E-11	1.98E-10	MSTO1	3.97E-01
ENSBTAG00000014358	9.40E-11	2.37E-10	EVA1B	3.97E-01
ENSBTAG00000010814	2.19E-10	5.52E-10		3.96E-01

ENSBTAG00000012061	6.51E-11	1.64E-10	POU3F1	3.98E-01
ENSBTAG00000011284	2.03E-11	5.12E-11	SLC39A1	3.98E-01
ENSBTAG00000007642	4.26E-11	1.07E-10	ADORA3	3.99E-01
ENSBTAG00000003948	1.78E-10	4.27E-10		4.17E-01
ENSBTAG00000020037	3.43E-10	8.06E-10		4.26E-01
ENSBTAG00000005029	1.19E-10	2.75E-10	TAL1	4.32E-01
ENSBTAG00000007333	3.21E-10	7.36E-10		4.36E-01
ENSBTAG00000045596	3.81E-10	8.53E-10		4.47E-01
ENSBTAG00000001538	5.82E-10	1.29E-09		4.52E-01
ENSBTAG00000003954	1.35E-10	2.93E-10	ASH1L	4.59E-01
ENSBTAG00000008711	2.04E-10	4.32E-10	BOK	4.72E-01
ENSBTAG00000001343	1.51E-10	3.09E-10	DEPDC1	4.89E-01
ENSBTAG00000000108	4.09E-10	8.35E-10	KIAA0907	4.90E-01
ENSBTAG000000013881	4.63E-10	9.35E-10	GJA4	4.95E-01
ENSBTAG00000000406	5.65E-10	1.14E-09	GPATCH4	4.96E-01
ENSBTAG00000030385	1.75E-10	3.30E-10		5.29E-01
ENSBTAG000000047528	1.57E-10	2.98E-10	C2CD4D	5.29E-01
ENSBTAG000000037807	2.64E-10	4.99E-10		5.29E-01
ENSBTAG000000012470	9.72E-11	1.84E-10	SNAPIN	5.29E-01
ENSBTAG000000019093	2.10E-10	3.97E-10		5.29E-01
ENSBTAG000000006441	3.16E-10	5.88E-10	ATP5F1	5.37E-01
ENSBTAG000000000099	1.62E-10	3.00E-10	CERS2	5.39E-01
ENSBTAG000000001199	1.94E-10	3.58E-10	DAP3	5.41E-01
ENSBTAG000000031012	3.88E-10	7.01E-10	PIGK	5.54E-01
ENSBTAG000000016389	2.54E-10	4.49E-10	UBL4B	5.66E-01
ENSBTAG000000011209	2.84E-10	4.91E-10	SYT11	5.78E-01
ENSBTAG000000045987	7.17E-10	1.21E-09		5.93E-01
ENSBTAG000000017357	4.77E-10	7.99E-10	CLCA4	5.97E-01
ENSBTAG000000020964	6.29E-11	1.04E-10	STRIP1	6.05E-01
ENSBTAG000000016990	2.35E-10	3.85E-10	USP24	6.10E-01
ENSBTAG000000017055	1.55E-10	2.54E-10	HCN3	6.12E-01
ENSBTAG000000018058	1.48E-10	2.39E-10	C2orf82	6.17E-01
ENSBTAG000000014289	1.58E-10	2.56E-10	ZFYVE9	6.19E-01
ENSBTAG000000002555	2.70E-10	4.35E-10	PDZK1IP1	6.21E-01
ENSBTAG000000009421	4.71E-10	7.42E-10	CD1E	6.34E-01
ENSBTAG000000046656	3.61E-10	5.68E-10		6.35E-01
ENSBTAG000000001842	1.18E-10	1.86E-10	GSTM3	6.35E-01
ENSBTAG000000012584	3.04E-10	4.75E-10	GJB3	6.40E-01
ENSBTAG000000002583	8.60E-11	1.32E-10	DNALI1	6.52E-01
ENSBTAG000000010265	5.14E-10	7.79E-10	MGST3	6.60E-01
ENSBTAG000000005858	5.72E-11	8.65E-11	KCNJ13	6.61E-01
ENSBTAG000000009062	1.30E-10	1.94E-10	DMRTB1	6.72E-01
ENSBTAG000000024086	1.53E-10	2.25E-10	TMEM35B	6.81E-01
ENSBTAG000000012692	5.45E-11	8.01E-11		6.81E-01
ENSBTAG000000020244	1.86E-10	2.66E-10	EFNA1	7.01E-01
ENSBTAG000000019091	2.01E-10	2.87E-10	RNPC3	6.99E-01
ENSBTAG000000024255	2.34E-10	3.33E-10		7.01E-01
ENSBTAG000000047047	7.07E-10	1.00E-09		7.07E-01
ENSBTAG000000038082	2.15E-09	3.03E-09		7.09E-01
ENSBTAG000000014857	4.73E-10	6.67E-10		7.10E-01
ENSBTAG000000012907	3.76E-10	5.29E-10	ODF2L	7.11E-01
ENSBTAG000000020958	2.82E-10	3.95E-10	LRRC8D	7.13E-01
ENSBTAG000000008652	6.56E-10	9.17E-10	DUSP27	7.16E-01
ENSBTAG000000046231	4.17E-10	5.78E-10		7.21E-01
ENSBTAG000000014079	1.34E-10	1.82E-10	GIGYF2	7.39E-01
ENSBTAG000000020494	1.10E-10	1.48E-10	RPE65	7.44E-01
ENSBTAG000000006320	3.46E-10	4.66E-10	DBT	7.42E-01
ENSBTAG000000046294	4.80E-10	6.43E-10		7.46E-01
ENSBTAG000000046766	9.52E-10	1.27E-09		7.49E-01
ENSBTAG000000021434	5.13E-10	6.82E-10	EDN2	7.53E-01
ENSBTAG000000012312	2.35E-10	3.08E-10	ROR1	7.62E-01
ENSBTAG000000018942	1.67E-10	2.20E-10	SSX2IP	7.61E-01
ENSBTAG000000011322	1.30E-10	1.68E-10	HIPK1	7.74E-01
ENSBTAG000000017566	3.68E-10	4.72E-10	TUFT1	7.80E-01
ENSBTAG000000010715	6.05E-10	7.74E-10		7.82E-01
ENSBTAG000000006882	2.91E-10	3.72E-10	IQGAP3	7.82E-01
ENSBTAG000000011953	2.49E-10	3.19E-10	PRKACB	7.82E-01
ENSBTAG000000016028	1.22E-10	1.54E-10	ZNF691	7.94E-01
ENSBTAG000000010617	1.86E-10	2.35E-10	KRTCAP2	7.93E-01
ENSBTAG000000009148	6.16E-10	7.78E-10	GPA33	7.92E-01



ENSBTAG00000003083	2.65E-10	3.35E-10	SLC50A1	7.93E-01
ENSBTAG00000003604	1.64E-10	2.06E-10	ADAMTSL4	7.95E-01
ENSBTAG000000010414	1.27E-10	1.60E-10	DMRTA2	7.96E-01
ENSBTAG000000019709	1.64E-10	2.06E-10		7.94E-01
ENSBTAG000000024201	6.78E-10	8.54E-10		7.94E-01
ENSBTAG000000009888	1.99E-10	2.51E-10	DRAM2	7.92E-01
ENSBTAG000000017765	9.96E-11	1.26E-10		7.91E-01
ENSBTAG000000018893	1.27E-10	1.60E-10	AHCYL1	7.95E-01
ENSBTAG000000003096	7.80E-10	9.83E-10	OR6K3	7.94E-01
ENSBTAG000000021481	4.56E-11	5.75E-11	CA14	7.94E-01
ENSBTAG000000046450	1.24E-10	1.56E-10		7.95E-01
ENSBTAG000000020672	7.87E-10	9.92E-10	NEU2	7.94E-01
ENSBTAG000000045912	6.49E-10	8.18E-10		7.94E-01
ENSBTAG000000040435	8.76E-10	1.10E-09		7.96E-01
ENSBTAG000000046138	1.04E-10	1.31E-10	C1orf68	7.93E-01
ENSBTAG000000005938	3.55E-11	4.47E-11	BARHL2	7.94E-01
ENSBTAG000000047063	7.98E-10	1.01E-09	OR10J1	7.90E-01
ENSBTAG000000007627	6.08E-10	7.66E-10		7.93E-01
ENSBTAG000000015459	9.39E-11	1.18E-10	KCNA2	7.96E-01
ENSBTAG000000046242	1.75E-10	2.21E-10		7.93E-01
ENSBTAG000000019618	1.75E-10	2.21E-10		7.93E-01
ENSBTAG000000007297	4.29E-10	5.41E-10	OR10T2	7.93E-01
ENSBTAG000000021862	9.11E-11	1.15E-10	SLC27A3	7.92E-01
ENSBTAG000000033837	2.85E-10	3.59E-10		7.94E-01
ENSBTAG000000046315	2.80E-10	3.52E-10		7.95E-01
ENSBTAG000000011059	1.30E-10	1.64E-10	CDKN2C	7.94E-01
ENSBTAG000000047879	4.73E-11	5.96E-11	KCNA3	7.94E-01
ENSBTAG000000031656	1.64E-10	2.07E-10	TAF13	7.94E-01
ENSBTAG000000024195	1.48E-10	1.87E-10	LDLRAD1	7.94E-01
ENSBTAG000000000335	2.26E-10	2.85E-10	HMGB4	7.94E-01
ENSBTAG000000030532	1.42E-10	1.79E-10	KNCN	7.93E-01
ENSBTAG000000018756	3.00E-10	3.78E-10		7.93E-01
ENSBTAG000000040098	1.29E-10	1.63E-10		7.92E-01
ENSBTAG000000031082	1.75E-09	2.20E-09		7.95E-01
ENSBTAG000000046509	1.19E-10	1.50E-10	FAM46C	7.96E-01
ENSBTAG000000031788	3.84E-10	4.79E-10		8.03E-01
ENSBTAG000000006235	2.79E-10	3.47E-10	INTS3	8.05E-01
ENSBTAG000000012305	2.91E-10	3.58E-10	ADGRL2	8.12E-01
ENSBTAG000000040268	4.33E-10	5.30E-10	UBE2U	8.17E-01
ENSBTAG000000047871	5.89E-10	7.20E-10		8.17E-01
ENSBTAG000000013481	3.27E-10	3.98E-10	CYP4A22	8.21E-01
ENSBTAG000000000105	2.32E-10	2.81E-10	RIT1	8.25E-01
ENSBTAG000000019937	8.31E-10	1.00E-09	WDR3	8.31E-01
ENSBTAG000000038576	6.51E-10	7.81E-10		8.33E-01
ENSBTAG000000000401	4.75E-10	5.68E-10	TTC24	8.36E-01
ENSBTAG000000015647	2.21E-10	2.64E-10	CYP4X1	8.37E-01
ENSBTAG000000019031	6.88E-10	8.19E-10	PLPPR4	8.40E-01
ENSBTAG000000002952	4.28E-10	5.08E-10	TBX19	8.43E-01
ENSBTAG000000012194	1.41E-10	1.67E-10	DENND2C	8.42E-01
ENSBTAG000000008942	3.68E-10	4.35E-10	NGEF	8.46E-01
ENSBTAG000000021754	6.57E-10	7.76E-10	DUSP12	8.47E-01
ENSBTAG000000012976	1.65E-10	1.94E-10	WLS	8.49E-01
ENSBTAG000000017056	4.09E-10	4.82E-10	PKLR	8.48E-01
ENSBTAG000000034159	5.82E-10	6.85E-10	FCRLA	8.50E-01
ENSBTAG000000000258	3.94E-10	4.61E-10		8.54E-01
ENSBTAG000000002809	1.54E-10	1.80E-10	CAPN10	8.55E-01
ENSBTAG000000021443	6.71E-10	7.85E-10	PGLYRP3	8.55E-01
ENSBTAG000000019038	1.16E-09	1.34E-09	OR10J5	8.63E-01
ENSBTAG000000020036	3.58E-10	4.16E-10	CDCP2	8.62E-01
ENSBTAG000000011976	3.65E-10	4.24E-10	CYP4B1	8.62E-01
ENSBTAG000000009819	2.74E-10	3.19E-10	CDC20	8.60E-01
ENSBTAG000000024726	1.91E-10	2.22E-10	HJURP	8.63E-01
ENSBTAG000000015786	2.93E-10	3.40E-10	LRRC39	8.63E-01
ENSBTAG000000015778	2.29E-10	2.65E-10	SASS6	8.63E-01
ENSBTAG000000000113	3.66E-10	4.23E-10	ARHGEF2	8.66E-01
ENSBTAG000000017381	7.83E-10	9.01E-10	CLDN19	8.70E-01
ENSBTAG000000024849	9.35E-10	1.07E-09		8.74E-01
ENSBTAG000000046277	5.19E-10	5.96E-10	RGS4	8.70E-01
ENSBTAG000000003484	2.70E-10	3.10E-10	C1orf123	8.71E-01
ENSBTAG000000003485	1.95E-10	2.23E-10	MAGOH	8.73E-01

ENSBTAG00000003444	2.80E-10	3.20E-10	SYDE2	8.76E-01
ENSBTAG00000001686	4.02E-10	4.59E-10	LRRC52	8.76E-01
ENSBTAG000000011242	4.12E-10	4.71E-10	MUTYH	8.76E-01
ENSBTAG00000003850	4.96E-10	5.66E-10	INSL5	8.77E-01
ENSBTAG000000038085	5.98E-10	6.83E-10		8.75E-01
ENSBTAG000000019198	2.93E-10	3.35E-10	LRRC42	8.76E-01
ENSBTAG000000010775	5.44E-10	6.20E-10	POGK	8.77E-01
ENSBTAG000000046583	8.60E-10	9.77E-10	TMEM61	8.81E-01
ENSBTAG000000008931	5.93E-10	6.73E-10	CREG1	8.80E-01
ENSBTAG000000038669	8.46E-10	9.59E-10		8.82E-01
ENSBTAG000000014132	1.41E-10	1.59E-10	SNED1	8.88E-01
ENSBTAG000000024288	3.65E-10	4.12E-10		8.85E-01
ENSBTAG000000010663	3.25E-10	3.67E-10	ADAM15	8.85E-01
ENSBTAG000000010910	3.39E-10	3.82E-10		8.88E-01
ENSBTAG000000013241	1.02E-09	1.15E-09	BSND	8.88E-01
ENSBTAG000000020384	2.50E-10	2.82E-10	WDR47	8.85E-01
ENSBTAG000000002719	9.88E-11	1.11E-10	ORC1	8.90E-01
ENSBTAG000000013851	1.64E-10	1.85E-10	BCL10	8.89E-01
ENSBTAG000000012722	5.71E-10	6.42E-10		8.89E-01
ENSBTAG000000015854	1.66E-10	1.86E-10	TCHHL1	8.93E-01
ENSBTAG000000003898	6.53E-10	7.31E-10	HMGCS2	8.93E-01
ENSBTAG000000017132	7.59E-10	8.49E-10	TTC22	8.94E-01
ENSBTAG000000009844	2.54E-10	2.84E-10	CYR61	8.94E-01
ENSBTAG0000000044141	3.00E-10	3.36E-10		8.93E-01
ENSBTAG0000000005337	1.79E-10	1.99E-10	RAB3B	8.97E-01
ENSBTAG000000001748	3.95E-10	4.40E-10	TRIM45	8.98E-01
ENSBTAG000000017875	5.55E-10	6.16E-10	ARHGAP30	9.01E-01
ENSBTAG000000022580	2.46E-10	2.72E-10	FAM212B	9.05E-01
ENSBTAG000000038025	2.83E-10	3.11E-10		9.09E-01
ENSBTAG000000017129	1.58E-10	1.75E-10	CLCC1	9.05E-01
ENSBTAG000000047314	1.03E-09	1.13E-09	PPIE	9.09E-01
ENSBTAG000000005442	5.18E-10	5.71E-10	WDR78	9.07E-01
ENSBTAG0000000038979	1.34E-10	1.48E-10	TMEM167B	9.07E-01
ENSBTAG000000002720	3.23E-10	3.54E-10	PRPF38A	9.13E-01
ENSBTAG000000012884	1.18E-09	1.30E-09		9.09E-01
ENSBTAG000000001406	6.51E-10	7.14E-10	MAB21L3	9.12E-01
ENSBTAG000000017786	2.00E-10	2.19E-10	FCRL6	9.12E-01
ENSBTAG000000006625	2.74E-10	3.01E-10	NDC1	9.12E-01
ENSBTAG000000014387	3.85E-10	4.21E-10	PRKAB2	9.14E-01
ENSBTAG0000000038215	1.04E-09	1.14E-09	CLCA2	9.11E-01
ENSBTAG000000018881	1.79E-10	1.96E-10	SYT6	9.14E-01
ENSBTAG000000047731	3.76E-10	4.09E-10	FAM189B	9.20E-01
ENSBTAG000000007330	1.64E-10	1.78E-10	STXBP3	9.24E-01
ENSBTAG000000017124	4.92E-10	5.33E-10	GPSM2	9.24E-01
ENSBTAG000000020060	1.38E-10	1.49E-10	TXNIP	9.27E-01
ENSBTAG000000047874	7.35E-11	7.94E-11	PRPF38B	9.26E-01
ENSBTAG000000021544	4.16E-10	4.49E-10	EBNA1BP2	9.26E-01
ENSBTAG000000017388	1.77E-10	1.91E-10	SVBP	9.28E-01
ENSBTAG000000046353	5.79E-10	6.25E-10		9.26E-01
ENSBTAG000000012234	3.29E-10	3.55E-10	RHBG	9.28E-01
ENSBTAG000000014710	2.51E-10	2.70E-10	RAP1A	9.30E-01
ENSBTAG000000031439	3.56E-10	3.84E-10	CDC14A	9.28E-01
ENSBTAG000000005227	3.62E-10	3.87E-10	ATF6	9.34E-01
ENSBTAG000000033007	8.02E-10	8.60E-10		9.33E-01
ENSBTAG000000003791	4.12E-10	4.41E-10	LPAR3	9.33E-01
ENSBTAG000000020798	6.38E-10	6.84E-10	C1orf94	9.33E-01
ENSBTAG000000000845	5.39E-10	5.76E-10	OLFM3	9.35E-01
ENSBTAG000000013910	1.11E-10	1.18E-10		9.37E-01
ENSBTAG000000037555	3.78E-10	4.03E-10	FAM183A	9.38E-01
ENSBTAG000000008161	6.31E-10	6.72E-10	CLCA1	9.39E-01
ENSBTAG000000021547	4.69E-10	4.99E-10	CFAP57	9.40E-01
ENSBTAG000000013907	1.02E-09	1.09E-09	CRP	9.38E-01
ENSBTAG000000012516	2.23E-10	2.37E-10	SLC1A7	9.43E-01
ENSBTAG000000039702	7.34E-10	7.79E-10	FCRL3	9.43E-01
ENSBTAG000000007309	2.69E-10	2.85E-10	ST6GALNAC5	9.43E-01
ENSBTAG000000001052	3.35E-10	3.55E-10	ADCY10	9.43E-01
ENSBTAG000000024437	5.82E-10	6.17E-10		9.43E-01
ENSBTAG000000014102	2.15E-10	2.28E-10	WDR77	9.43E-01
ENSBTAG000000000616	2.75E-10	2.92E-10	GPR161	9.43E-01
ENSBTAG000000003389	2.50E-10	2.65E-10		9.43E-01

ENSBTAG00000014596	3.50E-10	3.71E-10	EFHD1	9.44E-01
ENSBTAG00000037819	3.43E-10	3.63E-10	SFT2D2	9.44E-01
ENSBTAG00000025621	1.60E-09	1.69E-09		9.46E-01
ENSBTAG00000048275	1.29E-09	1.36E-09		9.50E-01
ENSBTAG00000008525	4.73E-10	4.99E-10	LRIG2	9.48E-01
ENSBTAG00000039738	2.48E-10	2.61E-10		9.51E-01
ENSBTAG00000038124	6.79E-10	7.15E-10		9.49E-01
ENSBTAG00000014326	3.65E-10	3.84E-10	CDCA8	9.51E-01
ENSBTAG00000039366	1.66E-10	1.74E-10		9.52E-01
ENSBTAG00000023535	7.29E-10	7.66E-10		9.52E-01
ENSBTAG00000001135	1.16E-10	1.22E-10	C1orf194	9.55E-01
ENSBTAG00000048312	2.88E-10	3.03E-10		9.52E-01
ENSBTAG00000039540	2.07E-10	2.18E-10		9.51E-01
ENSBTAG00000048292	5.22E-10	5.48E-10		9.53E-01
ENSBTAG00000012495	2.68E-10	2.81E-10		9.53E-01
ENSBTAG00000030386	1.06E-09	1.11E-09		9.51E-01
ENSBTAG00000031940	2.47E-10	2.58E-10	RSBN1	9.57E-01
ENSBTAG00000037565	3.48E-10	3.64E-10		9.57E-01
ENSBTAG00000003752	8.75E-10	9.15E-10	SLC25A24	9.56E-01
ENSBTAG00000003322	6.35E-10	6.64E-10	TLL7	9.57E-01
ENSBTAG00000024144	5.73E-10	5.96E-10	LURAP1	9.61E-01
ENSBTAG00000001564	3.78E-10	3.93E-10	PDE4DIP	9.61E-01
ENSBTAG00000017204	8.34E-10	8.67E-10		9.62E-01
ENSBTAG00000006511	1.76E-10	1.83E-10	MTF1	9.62E-01
ENSBTAG000000008467	1.29E-10	1.33E-10	HENMT1	9.67E-01
ENSBTAG00000011733	3.38E-10	3.49E-10	GIPC2	9.69E-01
ENSBTAG00000021591	2.94E-10	3.03E-10	OAZ3	9.70E-01
ENSBTAG00000024378	6.98E-11	7.19E-11	MRPS21	9.70E-01
ENSBTAG00000006505	3.24E-10	3.34E-10	S100A9	9.69E-01
ENSBTAG00000020831	6.02E-10	6.20E-10	CHD1L	9.71E-01
ENSBTAG00000002422	2.54E-10	2.62E-10	BCL9	9.70E-01
ENSBTAG00000035697	1.88E-10	1.93E-10	GNG12	9.75E-01
ENSBTAG00000014652	5.18E-10	5.30E-10	TRPM8	9.76E-01
ENSBTAG00000000259	5.16E-10	5.29E-10	CHIA	9.74E-01
ENSBTAG00000019933	2.25E-10	2.30E-10	MKKNK1	9.77E-01
ENSBTAG00000021602	1.31E-10	1.33E-10	CTTNBP2NL	9.84E-01
ENSBTAG00000019401	1.65E-10	1.68E-10		9.81E-01
ENSBTAG00000005910	1.87E-10	1.91E-10	LEPR	9.80E-01
ENSBTAG00000019033	4.77E-10	4.85E-10	CD84	9.83E-01
ENSBTAG000000018807	3.54E-10	3.61E-10	MYBPHL	9.81E-01
ENSBTAG00000009676	6.03E-10	6.14E-10	STK25	9.82E-01
ENSBTAG00000010655	4.15E-10	4.22E-10	DCST1	9.84E-01
ENSBTAG00000003128	8.13E-10	8.26E-10	SPATA6	9.85E-01
ENSBTAG00000009603	3.16E-10	3.20E-10		9.86E-01
ENSBTAG00000014393	2.85E-10	2.90E-10	CLK2	9.84E-01
ENSBTAG00000021501	6.40E-10	6.49E-10		9.86E-01
ENSBTAG00000000505	5.85E-10	5.94E-10	KYAT3	9.85E-01
ENSBTAG00000005393	2.14E-10	2.16E-10	TIPRL	9.89E-01
ENSBTAG00000018806	1.15E-10	1.16E-10	PSRC1	9.89E-01
ENSBTAG00000040437	5.30E-10	5.36E-10		9.89E-01
ENSBTAG00000009625	1.46E-10	1.47E-10	DMBX1	9.92E-01
ENSBTAG00000014841	4.19E-10	4.23E-10	GBA	9.90E-01
ENSBTAG00000021482	1.12E-10	1.13E-10	APH1A	9.94E-01
ENSBTAG00000003799	7.04E-11	7.10E-11	TARS2	9.92E-01
ENSBTAG000000039494	4.31E-10	4.34E-10	OR6P1	9.92E-01
ENSBTAG00000037810	8.90E-10	8.96E-10		9.93E-01
ENSBTAG00000012886	8.76E-10	8.81E-10	OR10J3	9.94E-01
ENSBTAG00000022954	7.60E-10	7.65E-10		9.94E-01
ENSBTAG00000004381	4.28E-10	4.31E-10	TACSTD2	9.93E-01
ENSBTAG00000007215	2.22E-10	2.23E-10	RNPEPL1	9.95E-01
ENSBTAG00000000736	2.72E-10	2.74E-10	LRP8	9.94E-01
ENSBTAG00000017145	5.23E-10	5.26E-10	LEXM	9.95E-01
ENSBTAG00000014482	2.46E-10	2.47E-10	FAF1	9.97E-01
ENSBTAG00000020968	2.91E-10	2.93E-10	MPC2	9.94E-01
ENSBTAG00000016504	4.74E-10	4.76E-10	AGAP1	9.96E-01
ENSBTAG00000024097	7.09E-10	7.10E-10		9.98E-01
ENSBTAG00000022937	1.18E-09	1.19E-09		9.95E-01
ENSBTAG00000011640	2.28E-10	2.28E-10	PLPP3	9.99E-01
ENSBTAG00000007507	3.05E-10	3.06E-10	FAAH	9.98E-01
ENSBTAG00000015896	4.20E-10	4.20E-10	CC2D1B	1.00E+00

ENSBTAG00000013322	5.86E-10	5.85E-10	POMGNT1	1.00E+00
ENSBTAG00000000305	3.16E-10	3.15E-10	LMO4	1.00E+00
ENSBTAG000000017125	5.57E-10	5.55E-10	PABPC4	1.00E+00
ENSBTAG00000010506	1.92E-10	1.91E-10	MEAF6	1.00E+00
ENSBTAG00000015931	3.56E-10	3.53E-10	TTC4	1.01E+00
ENSBTAG00000002823	6.67E-10	6.62E-10	MPZL1	1.01E+00
ENSBTAG00000009338	4.59E-10	4.56E-10	LRRC7	1.01E+00
ENSBTAG00000002721	2.32E-10	2.30E-10	ZCCHC11	1.01E+00
ENSBTAG00000017986	4.09E-10	4.05E-10	GLIS1	1.01E+00
ENSBTAG00000038237	6.66E-10	6.58E-10	KPRP	1.01E+00
ENSBTAG00000018887	3.14E-10	3.11E-10	IPO13	1.01E+00
ENSBTAG00000045948	1.22E-09	1.20E-09	CSF2RA	1.01E+00
ENSBTAG00000011200	4.96E-10	4.89E-10	ZNF644	1.01E+00
ENSBTAG00000013110	5.53E-10	5.44E-10		1.02E+00
ENSBTAG00000017595	8.87E-10	8.71E-10		1.02E+00
ENSBTAG00000015380	1.96E-10	1.93E-10	SLC16A4	1.02E+00
ENSBTAG00000021637	2.21E-10	2.17E-10	POLR3C	1.02E+00
ENSBTAG00000014538	4.96E-10	4.86E-10	HPCAL4	1.02E+00
ENSBTAG00000000797	2.09E-10	2.05E-10	MRPL9	1.02E+00
ENSBTAG00000030623	5.36E-10	5.24E-10		1.02E+00
ENSBTAG00000005437	1.42E-10	1.39E-10	SMCP	1.02E+00
ENSBTAG00000038263	2.02E-09	1.97E-09		1.03E+00
ENSBTAG00000007712	1.16E-10	1.14E-10	SEC22B	1.02E+00
ENSBTAG00000004591	5.92E-10	5.78E-10	PLPPR5	1.02E+00
ENSBTAG00000005784	5.31E-10	5.17E-10	CSMD2	1.03E+00
ENSBTAG00000011097	5.51E-10	5.36E-10	TCTEX1D1	1.03E+00
ENSBTAG00000003849	1.62E-10	1.58E-10	GNL2	1.03E+00
ENSBTAG00000017387	1.78E-10	1.73E-10		1.03E+00
ENSBTAG00000012496	1.34E-10	1.29E-10	MTMR11	1.04E+00
ENSBTAG00000008238	2.77E-10	2.69E-10		1.03E+00
ENSBTAG00000007112	1.57E-10	1.52E-10	HSPB11	1.04E+00
ENSBTAG00000027172	1.87E-09	1.80E-09		1.04E+00
ENSBTAG00000005533	1.09E-09	1.05E-09	ZNF684	1.03E+00
ENSBTAG00000030190	3.85E-10	3.70E-10	COL6A3	1.04E+00
ENSBTAG00000017852	5.46E-10	5.24E-10	ALDH9A1	1.04E+00
ENSBTAG00000007352	2.63E-10	2.52E-10	KCNC4	1.04E+00
ENSBTAG00000013961	1.58E-10	1.51E-10	MYSM1	1.05E+00
ENSBTAG00000031171	5.87E-10	5.62E-10	SH3GLB1	1.04E+00
ENSBTAG00000002026	2.39E-10	2.29E-10		1.04E+00
ENSBTAG00000021217	4.86E-10	4.63E-10	COL11A1	1.05E+00
ENSBTAG00000002644	4.32E-10	4.12E-10	KCNQ4	1.05E+00
ENSBTAG00000005168	2.68E-10	2.55E-10	CROCC2	1.05E+00
ENSBTAG00000024107	2.76E-10	2.62E-10	INPP5B	1.05E+00
ENSBTAG00000003162	6.51E-10	6.19E-10	CRYZ	1.05E+00
ENSBTAG00000002489	7.69E-10	7.30E-10	PIFO	1.05E+00
ENSBTAG00000003586	5.88E-10	5.57E-10	MAN1A2	1.06E+00
ENSBTAG00000001136	2.17E-10	2.05E-10	KIAA1324	1.06E+00
ENSBTAG00000012094	2.28E-10	2.15E-10	SCAMP3	1.06E+00
ENSBTAG00000008849	2.18E-10	2.06E-10	SORT1	1.06E+00
ENSBTAG00000007773	6.98E-10	6.59E-10		1.06E+00
ENSBTAG00000013860	1.05E-10	9.94E-11	GADD45A	1.06E+00
ENSBTAG00000017604	8.02E-11	7.58E-11	RAB13	1.06E+00
ENSBTAG00000012437	7.40E-10	6.98E-10	OR6N2	1.06E+00
ENSBTAG00000011243	2.70E-10	2.55E-10	TOE1	1.06E+00
ENSBTAG00000009212	5.25E-10	4.95E-10	APOA2	1.06E+00
ENSBTAG00000021101	2.85E-10	2.69E-10	GPR88	1.06E+00
ENSBTAG00000039653	9.14E-10	8.62E-10		1.06E+00
ENSBTAG00000031358	4.82E-10	4.54E-10	DPYD	1.06E+00
ENSBTAG00000038625	6.32E-10	5.95E-10		1.06E+00
ENSBTAG00000012355	4.13E-10	3.87E-10	RNF220	1.07E+00
ENSBTAG00000014791	3.88E-10	3.63E-10	CTH	1.07E+00
ENSBTAG00000017161	2.68E-10	2.50E-10	TM2D1	1.07E+00
ENSBTAG00000011024	1.78E-10	1.66E-10	TXNDC12	1.07E+00
ENSBTAG00000016341	6.59E-10	6.14E-10	RGS5	1.07E+00
ENSBTAG00000013253	3.21E-10	2.98E-10	THAP4	1.08E+00
ENSBTAG00000017386	2.11E-10	1.96E-10	C1orf50	1.08E+00
ENSBTAG00000003774	4.51E-10	4.18E-10	C8A	1.08E+00
ENSBTAG00000046293	7.07E-10	6.55E-10		1.08E+00
ENSBTAG00000005809	1.30E-10	1.21E-10	GPR89A	1.07E+00
ENSBTAG00000038480	1.51E-10	1.40E-10	FPGT	1.08E+00

ENSBTAG00000017778	2.81E-10	2.58E-10	OR10R2	1.09E+00
ENSBTAG00000005064	2.00E-10	1.83E-10	WARS2	1.09E+00
ENSBTAG00000005445	2.22E-10	2.03E-10	SLC35D1	1.10E+00
ENSBTAG00000017670	8.46E-10	7.69E-10		1.10E+00
ENSBTAG00000011025	1.88E-10	1.70E-10	BTF3L4	1.11E+00
ENSBTAG00000012962	1.78E-10	1.62E-10	SARS	1.10E+00
ENSBTAG00000031461	3.73E-10	3.37E-10	SNX7	1.11E+00
ENSBTAG00000021037	2.28E-10	2.06E-10	ARNT	1.11E+00
ENSBTAG00000014294	1.78E-10	1.60E-10	ST7L	1.11E+00
ENSBTAG00000007281	1.10E-10	9.91E-11	SEMA6C	1.11E+00
ENSBTAG00000013014	1.73E-10	1.56E-10	GPR61	1.11E+00
ENSBTAG00000004333	1.25E-10	1.12E-10	COPA	1.11E+00
ENSBTAG00000005719	4.30E-10	3.87E-10	GJB4	1.11E+00
ENSBTAG000000048179	1.46E-09	1.30E-09		1.12E+00
ENSBTAG00000009674	2.32E-10	2.08E-10	C3H1orf185	1.12E+00
ENSBTAG00000030553	2.71E-10	2.43E-10		1.11E+00
ENSBTAG000000026181	3.72E-10	3.33E-10	UGT1A1	1.12E+00
ENSBTAG00000001981	3.35E-10	3.00E-10	SLC6A17	1.12E+00
ENSBTAG00000014297	1.65E-10	1.47E-10	MOV10	1.12E+00
ENSBTAG00000024240	2.05E-10	1.83E-10	ACADM	1.12E+00
ENSBTAG00000001246	3.46E-10	3.09E-10	ATP1A1	1.12E+00
ENSBTAG00000017846	5.12E-10	4.55E-10	F11R	1.13E+00
ENSBTAG00000007247	2.85E-10	2.53E-10	NUF2	1.13E+00
ENSBTAG00000020635	3.34E-10	2.96E-10	VPS45	1.13E+00
ENSBTAG00000005810	2.90E-10	2.58E-10	PDZK1	1.12E+00
ENSBTAG00000009481	4.49E-10	3.97E-10	C3H1orf87	1.13E+00
ENSBTAG00000012419	3.39E-10	2.99E-10	BCL2L15	1.13E+00
ENSBTAG00000037575	5.81E-10	5.11E-10		1.14E+00
ENSBTAG00000006600	5.15E-10	4.54E-10		1.13E+00
ENSBTAG00000007842	3.38E-10	2.97E-10	GCLM	1.14E+00
ENSBTAG00000018889	2.19E-10	1.93E-10	ATP6V0B	1.13E+00
ENSBTAG00000001499	2.77E-10	2.44E-10	TRIM33	1.14E+00
ENSBTAG00000008592	2.11E-10	1.85E-10		1.14E+00
ENSBTAG00000019901	2.39E-10	2.08E-10	RAD54L	1.15E+00
ENSBTAG00000039487	4.04E-10	3.53E-10		1.14E+00
ENSBTAG00000019904	2.55E-10	2.22E-10		1.15E+00
ENSBTAG00000014295	1.99E-10	1.73E-10	CAPZA1	1.15E+00
ENSBTAG00000015336	2.00E-10	1.74E-10	PRUNE1	1.15E+00
ENSBTAG00000001942	3.41E-10	2.96E-10	SNX27	1.15E+00
ENSBTAG00000009042	1.51E-10	1.31E-10	ATXN7L2	1.15E+00
ENSBTAG00000030710	1.81E-10	1.56E-10	ITGB3BP	1.16E+00
ENSBTAG00000020969	2.39E-10	2.06E-10	DCAF6	1.16E+00
ENSBTAG00000033835	2.70E-10	2.34E-10	MPZ	1.16E+00
ENSBTAG00000006466	2.87E-10	2.47E-10	CD53	1.16E+00
ENSBTAG00000016326	2.15E-10	1.85E-10	C1orf52	1.16E+00
ENSBTAG00000002600	1.80E-10	1.55E-10	EFCAB7	1.16E+00
ENSBTAG00000024095	4.64E-10	3.98E-10	THRAP3	1.17E+00
ENSBTAG00000000888	1.26E-09	1.08E-09	SPTA1	1.17E+00
ENSBTAG00000009123	9.75E-10	8.34E-10	ING5	1.17E+00
ENSBTAG00000016712	3.92E-10	3.35E-10		1.17E+00
ENSBTAG00000030671	3.12E-10	2.67E-10	HOOK1	1.17E+00
ENSBTAG00000032071	2.85E-10	2.44E-10	SYCP1	1.17E+00
ENSBTAG00000019497	2.04E-10	1.74E-10	ILDR2	1.17E+00
ENSBTAG00000030669	3.08E-10	2.62E-10	FGGY	1.17E+00
ENSBTAG000000046807	6.30E-10	5.37E-10		1.17E+00
ENSBTAG00000021842	3.08E-10	2.63E-10		1.17E+00
ENSBTAG00000015371	1.75E-10	1.49E-10	GABPB2	1.17E+00
ENSBTAG00000040131	2.51E-10	2.13E-10	CD58	1.18E+00
ENSBTAG00000021948	2.46E-10	2.08E-10		1.18E+00
ENSBTAG00000021023	2.99E-10	2.53E-10	ZMYM4	1.18E+00
ENSBTAG00000018717	1.17E-10	9.82E-11	DDX20	1.19E+00
ENSBTAG00000004037	1.20E-10	1.01E-10	JUN	1.19E+00
ENSBTAG00000012996	1.09E-10	9.18E-11	RNF11	1.19E+00
ENSBTAG00000021897	1.48E-10	1.24E-10	B4GALT3	1.19E+00
ENSBTAG00000011879	2.18E-10	1.83E-10	B4GALT2	1.19E+00
ENSBTAG00000040060	2.13E-10	1.79E-10	ARTN	1.19E+00
ENSBTAG00000017434	2.43E-10	2.04E-10	MROH2A	1.19E+00
ENSBTAG00000015180	1.75E-10	1.47E-10		1.19E+00
ENSBTAG00000024115	1.78E-10	1.50E-10	FOXO6	1.19E+00
ENSBTAG00000000574	1.32E-09	1.10E-09	OR10Z1	1.20E+00

ENSBTAG00000014235	1.15E-10	9.69E-11	SMIM12	1.19E+00
ENSBTAG00000040596	1.36E-10	1.14E-10	LINGO4	1.19E+00
ENSBTAG00000046002	5.24E-10	4.39E-10		1.19E+00
ENSBTAG00000001599	3.21E-10	2.70E-10	SV2A	1.19E+00
ENSBTAG00000039566	5.14E-10	4.31E-10		1.19E+00
ENSBTAG00000023551	4.61E-10	3.87E-10	MOB3C	1.19E+00
ENSBTAG00000005143	1.63E-10	1.37E-10		1.19E+00
ENSBTAG00000037432	7.83E-10	6.56E-10		1.19E+00
ENSBTAG00000006081	1.32E-10	1.11E-10	PPM1J	1.19E+00
ENSBTAG00000045911	2.65E-10	2.22E-10		1.19E+00
ENSBTAG00000047248	7.04E-10	5.90E-10		1.19E+00
ENSBTAG00000012514	1.52E-10	1.28E-10	PODN	1.19E+00
ENSBTAG00000014299	1.51E-10	1.27E-10	RHOC	1.19E+00
ENSBTAG00000009455	3.41E-10	2.84E-10	IL12RB2	1.20E+00
ENSBTAG00000015392	8.21E-10	6.81E-10	TTF2	1.20E+00
ENSBTAG00000011543	3.39E-10	2.81E-10	PDCD1	1.21E+00
ENSBTAG00000038502	9.94E-10	8.23E-10		1.21E+00
ENSBTAG00000005161	1.23E-10	1.02E-10	ATP8B2	1.21E+00
ENSBTAG00000007519	2.70E-10	2.22E-10	ADAR	1.22E+00
ENSBTAG00000020641	2.34E-10	1.91E-10	PSMA5	1.22E+00
ENSBTAG00000013320	3.22E-10	2.64E-10	TSPAN1	1.22E+00
ENSBTAG00000019733	2.82E-10	2.30E-10	ADGRL4	1.23E+00
ENSBTAG00000006720	5.69E-10	4.64E-10	GJA5	1.23E+00
ENSBTAG00000010638	2.39E-10	1.95E-10	DCST2	1.23E+00
ENSBTAG00000015973	7.23E-10	5.87E-10	TRAF3IP1	1.23E+00
ENSBTAG00000012025	5.22E-10	4.25E-10	LMX1A	1.23E+00
ENSBTAG00000017502	2.63E-10	2.14E-10	RIMKLA	1.23E+00
ENSBTAG00000010124	3.23E-10	2.62E-10	ATG4C	1.23E+00
ENSBTAG00000005854	4.60E-10	3.72E-10	COPS8	1.24E+00
ENSBTAG00000003775	3.82E-10	3.09E-10	C8B	1.24E+00
ENSBTAG00000016730	9.50E-11	7.69E-11	ANP32E	1.24E+00
ENSBTAG00000005799	3.46E-10	2.79E-10	KIRREL	1.24E+00
ENSBTAG00000021512	1.46E-10	1.18E-10	ZBTB7B	1.24E+00
ENSBTAG00000016643	1.18E-10	9.44E-11	CYB561D1	1.25E+00
ENSBTAG0000001080	3.35E-10	2.68E-10	SPAG17	1.25E+00
ENSBTAG00000021485	1.31E-10	1.05E-10	C1orf54	1.25E+00
ENSBTAG00000001629	2.45E-10	1.96E-10	SCMH1	1.25E+00
ENSBTAG00000019695	4.22E-10	3.38E-10	RLF	1.25E+00
ENSBTAG00000047541	8.92E-10	7.13E-10		1.25E+00
ENSBTAG00000021635	1.70E-10	1.37E-10	NUDT17	1.24E+00
ENSBTAG00000022741	6.52E-10	5.21E-10	MGC134040	1.25E+00
ENSBTAG0000001845	1.90E-10	1.51E-10		1.26E+00
ENSBTAG00000009900	4.30E-10	3.42E-10	LRRC8C	1.26E+00
ENSBTAG00000004190	3.66E-10	2.90E-10	ARHGAP29	1.26E+00
ENSBTAG00000003806	2.88E-10	2.29E-10	ECM1	1.26E+00
ENSBTAG00000003928	2.55E-10	2.03E-10	ATG16L1	1.26E+00
ENSBTAG00000015902	1.67E-10	1.33E-10	PTGFR	1.26E+00
ENSBTAG00000005439	4.25E-10	3.37E-10	FAM102B	1.26E+00
ENSBTAG00000044107	4.05E-10	3.21E-10	FAM159A	1.26E+00
ENSBTAG00000020745	3.53E-10	2.79E-10	HIVEP3	1.27E+00
ENSBTAG00000012405	3.52E-10	2.79E-10	PEAR1	1.26E+00
ENSBTAG00000011822	4.73E-10	3.75E-10	C1orf228	1.26E+00
ENSBTAG00000046989	1.10E-10	8.69E-11	MANEAL	1.27E+00
ENSBTAG00000002024	3.65E-10	2.88E-10	ASB18	1.27E+00
ENSBTAG00000019029	4.36E-10	3.44E-10	DPH5	1.27E+00
ENSBTAG00000015853	3.73E-10	2.93E-10	SDHC	1.27E+00
ENSBTAG00000021900	5.77E-10	4.54E-10	PKN2	1.27E+00
ENSBTAG00000010560	1.31E-10	1.03E-10	PROK1	1.27E+00
ENSBTAG00000006491	9.08E-10	7.13E-10		1.27E+00
ENSBTAG00000002030	7.38E-10	5.74E-10	SPP2	1.29E+00
ENSBTAG00000013505	4.42E-10	3.43E-10	IQCA1	1.29E+00
ENSBTAG00000001879	4.66E-10	3.61E-10		1.29E+00
ENSBTAG00000031575	4.83E-10	3.74E-10	VAV3	1.29E+00
ENSBTAG00000020765	7.05E-10	5.46E-10		1.29E+00
ENSBTAG00000038961	8.06E-10	6.23E-10		1.29E+00
ENSBTAG00000003614	2.47E-10	1.91E-10	AP4B1	1.29E+00
ENSBTAG00000021594	1.54E-10	1.20E-10	TDRKH	1.29E+00
ENSBTAG00000005864	1.66E-10	1.28E-10	ASB17	1.30E+00
ENSBTAG00000011316	2.71E-10	2.09E-10	ZC3H12A	1.30E+00
ENSBTAG00000008131	2.79E-10	2.14E-10	RNF115	1.30E+00

ENSBTAG00000015781	1.65E-10	1.27E-10	TRMT13	1.30E+00
ENSBTAG00000020838	1.58E-09	1.21E-09		1.31E+00
ENSBTAG00000012372	2.13E-10	1.64E-10	TMEM53	1.30E+00
ENSBTAG00000018249	3.49E-10	2.67E-10	KCNN3	1.31E+00
ENSBTAG00000030809	8.69E-10	6.65E-10	C1orf141	1.31E+00
ENSBTAG00000038617	5.47E-10	4.19E-10	SH3D21	1.31E+00
ENSBTAG00000013578	3.05E-10	2.33E-10	CHI3L2	1.31E+00
ENSBTAG00000013778	1.93E-10	1.47E-10	WDR63	1.31E+00
ENSBTAG00000005909	2.53E-10	1.93E-10	LEPROT	1.31E+00
ENSBTAG00000020622	6.09E-10	4.64E-10	COL9A2	1.31E+00
ENSBTAG00000037890	4.42E-10	3.37E-10		1.31E+00
ENSBTAG00000013802	3.68E-10	2.79E-10	DAB1	1.32E+00
ENSBTAG00000044125	2.26E-10	1.72E-10		1.32E+00
ENSBTAG00000002983	2.57E-10	1.95E-10	NT5C1A	1.32E+00
ENSBTAG00000019680	3.69E-10	2.80E-10	ZYG11B	1.32E+00
ENSBTAG00000002416	6.69E-10	5.07E-10		1.32E+00
ENSBTAG00000011548	1.41E-10	1.07E-10	AMPD1	1.32E+00
ENSBTAG00000019026	5.69E-10	4.31E-10	EXTL2	1.32E+00
ENSBTAG00000015154	8.83E-11	6.68E-11		1.32E+00
ENSBTAG00000039357	6.18E-10	4.66E-10		1.33E+00
ENSBTAG00000024272	1.02E-09	7.66E-10		1.33E+00
ENSBTAG00000022514	6.34E-10	4.78E-10	CD5L	1.33E+00
ENSBTAG00000046773	2.70E-10	2.04E-10	MCOLN2	1.32E+00
ENSBTAG00000027775	7.41E-10	5.58E-10		1.33E+00
ENSBTAG000000039189	1.23E-09	9.23E-10		1.33E+00
ENSBTAG00000021046	3.00E-10	2.25E-10	ELAVL4	1.33E+00
ENSBTAG00000002847	5.70E-10	4.26E-10	D2HGDH	1.34E+00
ENSBTAG00000012454	2.58E-10	1.93E-10	SLC35A3	1.34E+00
ENSBTAG00000008809	3.13E-10	2.33E-10		1.34E+00
ENSBTAG00000018711	1.41E-10	1.05E-10	DENND4B	1.34E+00
ENSBTAG00000015996	3.98E-10	2.95E-10	GPC1	1.35E+00
ENSBTAG000000021051	2.42E-10	1.79E-10	ZNHIT6	1.35E+00
ENSBTAG000000015470	1.85E-10	1.37E-10	SYPL2	1.35E+00
ENSBTAG00000019010	3.25E-10	2.40E-10	EIF2B3	1.36E+00
ENSBTAG00000021170	1.58E-10	1.17E-10	OSBPL9	1.35E+00
ENSBTAG000000032193	7.50E-10	5.53E-10	REG4	1.36E+00
ENSBTAG000000005542	1.67E-10	1.23E-10	EPS15	1.36E+00
ENSBTAG000000005716	1.79E-10	1.31E-10	CRABP2	1.36E+00
ENSBTAG00000017326	2.93E-10	2.15E-10	OMA1	1.36E+00
ENSBTAG000000026032	5.28E-10	3.88E-10	ZYG11A	1.36E+00
ENSBTAG00000003746	3.43E-10	2.52E-10	SCP2	1.36E+00
ENSBTAG00000003220	6.53E-10	4.78E-10	ACKR1	1.37E+00
ENSBTAG00000013367	1.06E-09	7.76E-10	PPT1	1.36E+00
ENSBTAG000000012659	2.07E-10	1.51E-10	LRIF1	1.37E+00
ENSBTAG00000017877	5.01E-10	3.66E-10	NECTIN4	1.37E+00
ENSBTAG00000008688	3.39E-10	2.46E-10	HEYL	1.38E+00
ENSBTAG00000020152	1.78E-10	1.30E-10		1.37E+00
ENSBTAG000000013016	2.09E-10	1.51E-10	GNAI3	1.38E+00
ENSBTAG00000001481	3.13E-10	2.27E-10	IGSF9	1.38E+00
ENSBTAG00000000965	5.26E-10	3.80E-10	TNNI3K	1.38E+00
ENSBTAG00000013867	3.29E-10	2.38E-10	DLGAP3	1.38E+00
ENSBTAG000000019158	1.14E-10	8.18E-11	MEX3A	1.39E+00
ENSBTAG00000019615	5.19E-10	3.74E-10	PHTF1	1.39E+00
ENSBTAG00000004849	4.94E-10	3.57E-10	IGSF3	1.38E+00
ENSBTAG000000020173	3.96E-10	2.85E-10	INPP5D	1.39E+00
ENSBTAG000000037770	6.08E-10	4.36E-10		1.39E+00
ENSBTAG00000046650	6.10E-10	4.38E-10	OR6K2	1.39E+00
ENSBTAG00000021487	1.73E-10	1.24E-10	CIART	1.39E+00
ENSBTAG000000005717	7.01E-10	5.04E-10	GJB5	1.39E+00
ENSBTAG00000024534	3.17E-10	2.27E-10	POU2F1	1.39E+00
ENSBTAG000000005891	3.68E-10	2.63E-10	FCRL1	1.40E+00
ENSBTAG000000003376	4.37E-10	3.13E-10	ASB1	1.40E+00
ENSBTAG000000012374	4.13E-10	2.95E-10	C2orf54	1.40E+00
ENSBTAG00000003837	2.38E-10	1.70E-10	RSPO1	1.40E+00
ENSBTAG00000004383	2.50E-10	1.78E-10	FNBP1L	1.40E+00
ENSBTAG000000000584	5.31E-10	3.78E-10		1.40E+00
ENSBTAG000000014225	3.34E-10	2.38E-10	SLC5A9	1.40E+00
ENSBTAG000000012700	5.11E-10	3.63E-10	CD247	1.41E+00
ENSBTAG00000020966	1.41E-10	1.00E-10	ALX3	1.41E+00
ENSBTAG00000001586	2.41E-10	1.71E-10	OTUD7B	1.41E+00

ENSBTAG00000016550	1.86E-10	1.32E-10	MAEL	1.41E+00
ENSBTAG00000020180	2.13E-10	1.51E-10	TMED5	1.41E+00
ENSBTAG00000013334	5.48E-10	3.88E-10	CSF3R	1.41E+00
ENSBTAG00000014984	9.67E-11	6.83E-11	RPRD2	1.42E+00
ENSBTAG00000009813	4.32E-10	3.04E-10	ELOVL1	1.42E+00
ENSBTAG00000017411	6.62E-10	4.65E-10	AK5	1.42E+00
ENSBTAG00000012957	1.93E-10	1.36E-10	SERBP1	1.42E+00
ENSBTAG00000039719	6.15E-10	4.31E-10	PHGDH	1.43E+00
ENSBTAG00000001519	2.12E-10	1.48E-10	RRNAD1	1.43E+00
ENSBTAG00000039686	3.79E-10	2.65E-10	ACOT11	1.43E+00
ENSBTAG00000007537	1.36E-10	9.48E-11	PEX19	1.43E+00
ENSBTAG00000010456	7.90E-10	5.52E-10	TADA1	1.43E+00
ENSBTAG00000000229	3.35E-10	2.34E-10		1.43E+00
ENSBTAG00000047679	3.92E-10	2.74E-10	DNTTIP2	1.43E+00
ENSBTAG00000006555	2.36E-10	1.65E-10	ZMYM1	1.43E+00
ENSBTAG00000006321	7.19E-10	5.01E-10	RTCA	1.43E+00
ENSBTAG00000015107	2.12E-10	1.47E-10	SLC16A1	1.44E+00
ENSBTAG00000004852	3.63E-10	2.51E-10	PLEKHO1	1.44E+00
ENSBTAG00000016801	3.15E-10	2.18E-10	RXRG	1.44E+00
ENSBTAG00000016387	5.79E-10	4.00E-10	GDAP2	1.45E+00
ENSBTAG00000000283	1.30E-10	8.91E-11	CSF1	1.46E+00
ENSBTAG00000044150	4.34E-10	2.98E-10	UCK2	1.46E+00
ENSBTAG00000001628	2.55E-10	1.75E-10	SLFNL1	1.46E+00
ENSBTAG00000017382	1.86E-10	1.28E-10	P3H1	1.45E+00
ENSBTAG000000009093	3.03E-10	2.08E-10	GAL3ST2	1.46E+00
ENSBTAG00000012361	5.17E-10	3.53E-10	ARHGEF11	1.46E+00
ENSBTAG00000009314	5.14E-10	3.51E-10	C1orf168	1.46E+00
ENSBTAG00000014083	1.94E-10	1.31E-10	AMIGO1	1.48E+00
ENSBTAG00000002451	2.15E-10	1.45E-10	TTC39A	1.48E+00
ENSBTAG00000034776	2.04E-10	1.38E-10	DDAH1	1.48E+00
ENSBTAG00000045685	8.17E-10	5.51E-10		1.48E+00
ENSBTAG000000045664	3.06E-10	2.07E-10	LRRC41	1.48E+00
ENSBTAG00000008023	5.99E-10	4.03E-10	RHBDL2	1.49E+00
ENSBTAG00000040084	1.18E-09	7.99E-10		1.48E+00
ENSBTAG00000016852	2.43E-10	1.63E-10	SNIP1	1.49E+00
ENSBTAG00000015961	2.19E-10	1.47E-10	TSPAN2	1.49E+00
ENSBTAG00000010676	6.59E-10	4.42E-10	RBM44	1.49E+00
ENSBTAG00000004585	3.41E-10	2.29E-10	CCDC30	1.49E+00
ENSBTAG00000015474	2.18E-10	1.47E-10	SRSF11	1.49E+00
ENSBTAG00000038362	1.31E-09	8.79E-10		1.50E+00
ENSBTAG00000014530	2.96E-10	1.97E-10	NTNG1	1.50E+00
ENSBTAG00000021174	1.62E-10	1.07E-10	NRDC	1.51E+00
ENSBTAG00000005796	1.61E-10	1.07E-10		1.50E+00
ENSBTAG00000015784	2.66E-10	1.77E-10	HAPLN2	1.50E+00
ENSBTAG00000016696	1.78E-10	1.18E-10	NCDN	1.50E+00
ENSBTAG00000018010	6.93E-10	4.60E-10	ABCA4	1.51E+00
ENSBTAG00000018739	3.54E-10	2.35E-10	RPAP2	1.51E+00
ENSBTAG000000009213	3.47E-10	2.30E-10	Tom40B	1.51E+00
ENSBTAG00000007994	7.37E-10	4.86E-10	OSCP1	1.52E+00
ENSBTAG00000037490	7.10E-10	4.69E-10		1.51E+00
ENSBTAG00000006769	1.74E-10	1.15E-10		1.51E+00
ENSBTAG00000017764	5.15E-10	3.39E-10	HDAC4	1.52E+00
ENSBTAG00000040598	4.68E-10	3.08E-10		1.52E+00
ENSBTAG00000009215	3.51E-10	2.31E-10	NR1I3	1.52E+00
ENSBTAG00000027936	3.14E-10	2.06E-10	C1orf146	1.53E+00
ENSBTAG00000005354	6.88E-10	4.52E-10		1.52E+00
ENSBTAG00000020223	1.95E-10	1.28E-10	CASQ1	1.53E+00
ENSBTAG00000007767	2.14E-10	1.40E-10	TBX15	1.53E+00
ENSBTAG00000021104	7.81E-10	5.12E-10		1.53E+00
ENSBTAG00000010622	2.10E-10	1.38E-10	TRIM46	1.52E+00
ENSBTAG00000019192	1.58E-10	1.03E-10	LHX8	1.53E+00
ENSBTAG00000005782	1.48E-10	9.71E-11	CTBS	1.53E+00
ENSBTAG00000038500	4.68E-10	3.06E-10		1.53E+00
ENSBTAG00000015891	2.98E-10	1.94E-10	NSUN4	1.53E+00
ENSBTAG00000027321	1.48E-10	9.68E-11	CCDC18	1.53E+00
ENSBTAG00000030852	4.53E-10	2.95E-10		1.54E+00
ENSBTAG00000014649	1.19E-10	7.71E-11	CPT2	1.54E+00
ENSBTAG00000022504	9.68E-10	6.29E-10		1.54E+00
ENSBTAG00000011538	3.63E-10	2.36E-10	KIF1A	1.54E+00
ENSBTAG00000008649	3.03E-10	1.96E-10	ETV3	1.54E+00



ENSBTAG0000001959	1.91E-10	1.24E-10	TFAP2E	1.54E+00
ENSBTAG00000037539	4.98E-10	3.22E-10		1.55E+00
ENSBTAG00000017655	7.19E-10	4.62E-10	PALMD	1.56E+00
ENSBTAG00000017405	1.61E-10	1.03E-10	RORC	1.56E+00
ENSBTAG00000018804	1.78E-10	1.14E-10	CELSR2	1.56E+00
ENSBTAG00000019027	5.34E-10	3.42E-10	SLC30A7	1.56E+00
ENSBTAG00000009269	3.50E-10	2.24E-10	GRIK3	1.56E+00
ENSBTAG0000002028	2.91E-10	1.86E-10	FAM69A	1.57E+00
ENSBTAG00000019956	1.92E-10	1.23E-10	CMPK1	1.56E+00
ENSBTAG00000019877	3.24E-10	2.06E-10	DOCK7	1.57E+00
ENSBTAG00000014983	5.03E-10	3.20E-10	IL23R	1.57E+00
ENSBTAG00000005732	6.53E-10	4.14E-10	TRAPPC3	1.58E+00
ENSBTAG00000014368	5.85E-10	3.70E-10	SLAMF6	1.58E+00
ENSBTAG00000002414	7.08E-10	4.47E-10	KCNJ10	1.58E+00
ENSBTAG00000013025	1.26E-10	7.96E-11	HAX1	1.59E+00
ENSBTAG00000001520	2.29E-10	1.44E-10	MRPL24	1.59E+00
ENSBTAG000000008370	1.47E-10	9.23E-11		1.59E+00
ENSBTAG00000045967	2.34E-10	1.47E-10	LENEP	1.59E+00
ENSBTAG00000012644	3.00E-10	1.89E-10	UROD	1.59E+00
ENSBTAG00000047910	1.76E-10	1.11E-10		1.59E+00
ENSBTAG00000021288	2.08E-10	1.31E-10	PSMB4	1.59E+00
ENSBTAG00000020592	1.94E-10	1.22E-10	OTOS	1.59E+00
ENSBTAG00000021833	2.48E-10	1.56E-10	GJA8	1.59E+00
ENSBTAG00000005793	2.08E-10	1.31E-10	PEA15	1.59E+00
ENSBTAG000000006050	3.72E-10	2.34E-10	BOLA1	1.59E+00
ENSBTAG00000001397	3.46E-10	2.18E-10		1.59E+00
ENSBTAG00000000784	2.62E-10	1.65E-10	MTERF4	1.59E+00
ENSBTAG00000001518	1.61E-10	1.02E-10	ISG20L2	1.58E+00
ENSBTAG000000005797	4.08E-10	2.57E-10	AGXT	1.59E+00
ENSBTAG00000047830	2.30E-10	1.44E-10		1.59E+00
ENSBTAG00000015113	3.67E-10	2.31E-10	CITED4	1.59E+00
ENSBTAG000000021649	3.21E-10	2.02E-10		1.59E+00
ENSBTAG00000000404	5.12E-10	3.22E-10	NAXE	1.59E+00
ENSBTAG00000014840	5.07E-10	3.19E-10	MTX1	1.59E+00
ENSBTAG00000047496	2.05E-10	1.29E-10		1.59E+00
ENSBTAG00000032451	6.71E-10	4.21E-10		1.59E+00
ENSBTAG000000000253	3.12E-10	1.96E-10	PTPRF	1.59E+00
ENSBTAG00000021082	8.00E-10	5.02E-10	TMEM125	1.59E+00
ENSBTAG00000013801	3.47E-10	2.18E-10	PBX1	1.59E+00
ENSBTAG000000020542	4.83E-10	2.98E-10	SHE	1.62E+00
ENSBTAG00000037634	1.00E-09	6.18E-10		1.62E+00
ENSBTAG00000010841	1.56E-10	9.58E-11	FMO5	1.63E+00
ENSBTAG00000009368	2.10E-10	1.29E-10	RRAGC	1.63E+00
ENSBTAG000000005788	9.43E-10	5.76E-10	VANGL1	1.64E+00
ENSBTAG00000015789	3.38E-10	2.07E-10	BCAN	1.63E+00
ENSBTAG00000015482	2.59E-10	1.58E-10	ANKRD13C	1.64E+00
ENSBTAG00000013832	8.04E-10	4.91E-10	TRIT1	1.64E+00
ENSBTAG000000021480	3.62E-10	2.21E-10	SAG	1.64E+00
ENSBTAG00000015559	3.31E-10	2.01E-10	ERI3	1.64E+00
ENSBTAG00000010176	5.53E-10	3.37E-10	ILKAP	1.64E+00
ENSBTAG00000020616	3.10E-10	1.88E-10	DGKD	1.65E+00
ENSBTAG000000031654	2.53E-10	1.53E-10	KCND3	1.65E+00
ENSBTAG00000011500	6.24E-10	3.78E-10	CASQ2	1.65E+00
ENSBTAG00000019555	1.90E-10	1.15E-10	ZSCAN20	1.65E+00
ENSBTAG00000018448	2.70E-10	1.63E-10	MSH4	1.66E+00
ENSBTAG000000000057	2.02E-10	1.22E-10	THBS3	1.66E+00
ENSBTAG00000016328	2.44E-10	1.47E-10	SFPQ	1.66E+00
ENSBTAG00000011756	5.93E-10	3.56E-10		1.66E+00
ENSBTAG00000016472	1.49E-10	8.87E-11		1.68E+00
ENSBTAG00000010164	3.68E-10	2.20E-10	ESPNL	1.67E+00
ENSBTAG00000030749	6.89E-10	4.11E-10	DNAJC6	1.68E+00
ENSBTAG00000034332	9.52E-10	5.66E-10		1.68E+00
ENSBTAG00000048203	1.29E-10	7.68E-11	SAMD13	1.68E+00
ENSBTAG00000010565	2.43E-10	1.43E-10		1.70E+00
ENSBTAG00000008118	1.59E-10	9.40E-11	RPF1	1.69E+00
ENSBTAG00000000964	5.11E-10	3.02E-10	FCRL5	1.69E+00
ENSBTAG000000005912	2.86E-10	1.68E-10	DMAP1	1.70E+00
ENSBTAG000000000074	1.85E-10	1.09E-10	NFIA	1.69E+00
ENSBTAG00000007909	3.45E-10	2.03E-10	NOTCH2	1.70E+00
ENSBTAG00000004422	5.42E-10	3.19E-10	ALG14	1.70E+00

ENSBTAG00000013946	6.59E-11	3.88E-11	PRPF3	1.70E+00
ENSBTAG00000011888	3.31E-10	1.94E-10	CCDC24	1.70E+00
ENSBTAG00000013018	2.06E-10	1.21E-10	AMPD2	1.70E+00
ENSBTAG00000030686	9.20E-10	5.39E-10	RAVER2	1.71E+00
ENSBTAG00000017892	6.03E-10	3.53E-10		1.71E+00
ENSBTAG00000017844	1.64E-10	9.63E-11	STIL	1.71E+00
ENSBTAG00000002979	5.80E-10	3.40E-10	PIK3R3	1.71E+00
ENSBTAG00000018424	9.86E-10	5.76E-10	ACKR3	1.71E+00
ENSBTAG00000030301	3.49E-10	2.04E-10	MAP7D1	1.71E+00
ENSBTAG00000021975	5.12E-10	2.96E-10	PATJ	1.73E+00
ENSBTAG00000024153	2.11E-10	1.22E-10		1.73E+00
ENSBTAG00000000149	3.17E-10	1.80E-10	USP40	1.76E+00
ENSBTAG00000009527	2.52E-10	1.43E-10	TCEANC2	1.76E+00
ENSBTAG00000007101	4.53E-10	2.56E-10	F3	1.77E+00
ENSBTAG00000009209	3.04E-10	1.72E-10	BEND5	1.77E+00
ENSBTAG00000008122	2.01E-10	1.14E-10		1.77E+00
ENSBTAG00000002078	2.02E-10	1.13E-10	KDM4A	1.79E+00
ENSBTAG00000013507	4.06E-10	2.27E-10	SPRR3	1.79E+00
ENSBTAG00000014970	1.70E-10	9.54E-11		1.79E+00
ENSBTAG00000003281	7.90E-10	4.41E-10		1.79E+00
ENSBTAG00000018074	2.36E-10	1.31E-10	VPS72	1.80E+00
ENSBTAG00000015147	1.87E-10	1.04E-10	S100A10	1.80E+00
ENSBTAG00000015794	3.09E-10	1.71E-10	NES	1.81E+00
ENSBTAG000000031044	7.12E-10	3.95E-10	MIGA1	1.80E+00
ENSBTAG000000009192	2.78E-10	1.54E-10		1.80E+00
ENSBTAG00000020154	1.29E-10	7.08E-11	DEDD	1.81E+00
ENSBTAG00000013210	3.20E-10	1.76E-10	ADAMTS4	1.82E+00
ENSBTAG00000020010	1.97E-10	1.09E-10		1.81E+00
ENSBTAG000000039793	2.16E-10	1.18E-10	HDGF	1.83E+00
ENSBTAG00000022893	1.36E-09	7.43E-10		1.83E+00
ENSBTAG00000007517	2.34E-10	1.28E-10	CHRN2	1.82E+00
ENSBTAG00000003245	6.39E-10	3.47E-10	BCAR3	1.84E+00
ENSBTAG000000014529	8.58E-10	4.64E-10		1.85E+00
ENSBTAG00000009870	2.76E-10	1.49E-10	HES6	1.85E+00
ENSBTAG00000032453	2.79E-10	1.50E-10		1.86E+00
ENSBTAG00000000186	9.63E-11	5.20E-11	FLAD1	1.85E+00
ENSBTAG00000015145	3.55E-10	1.91E-10	S100A11	1.86E+00
ENSBTAG00000011327	1.91E-10	1.03E-10	OLFML3	1.85E+00
ENSBTAG00000007241	1.85E-10	9.95E-11	SLAMF9	1.85E+00
ENSBTAG000000008322	3.74E-10	2.01E-10	KCNA10	1.86E+00
ENSBTAG00000016698	5.37E-10	2.89E-10	SLAMF8	1.86E+00
ENSBTAG00000012228	4.24E-10	2.28E-10	SEMA4A	1.86E+00
ENSBTAG00000000678	1.70E-10	9.07E-11	CSDE1	1.87E+00
ENSBTAG00000004688	2.84E-10	1.52E-10	DHCR24	1.87E+00
ENSBTAG00000015856	5.48E-10	2.92E-10	CFAP126	1.88E+00
ENSBTAG00000000664	4.16E-10	2.21E-10	SLC22A15	1.88E+00
ENSBTAG000000006101	1.71E-10	9.07E-11	PSMD4	1.89E+00
ENSBTAG00000001326	6.90E-10	3.66E-10	SLC44A5	1.89E+00
ENSBTAG00000004885	9.20E-10	4.87E-10	DDR2	1.89E+00
ENSBTAG00000016705	2.07E-10	1.08E-10		1.91E+00
ENSBTAG00000018726	6.47E-10	3.38E-10	RIMS3	1.91E+00
ENSBTAG00000002419	6.96E-10	3.61E-10	PIGM	1.93E+00
ENSBTAG00000003279	8.86E-10	4.61E-10	NDUFA10	1.92E+00
ENSBTAG00000019230	2.27E-10	1.18E-10	PTGER3	1.92E+00
ENSBTAG000000019133	2.32E-10	1.20E-10	ZNF326	1.93E+00
ENSBTAG00000008737	2.08E-10	1.07E-10	DR1	1.94E+00
ENSBTAG00000039993	4.38E-10	2.27E-10		1.93E+00
ENSBTAG00000012979	2.84E-10	1.46E-10	ZMYND12	1.95E+00
ENSBTAG00000010158	1.11E-09	5.71E-10		1.94E+00
ENSBTAG00000018474	3.84E-10	1.97E-10	IL6R	1.95E+00
ENSBTAG00000011244	3.69E-10	1.89E-10	TESK2	1.95E+00
ENSBTAG00000027425	4.42E-10	2.25E-10	CCDC190	1.97E+00
ENSBTAG00000001626	3.06E-10	1.54E-10	CTPS1	1.98E+00
ENSBTAG00000020444	5.35E-10	2.70E-10	MAST2	1.98E+00
ENSBTAG00000018447	1.20E-10	6.03E-11	RABGGTB	1.98E+00
ENSBTAG00000017942	1.29E-10	6.52E-11		1.98E+00
ENSBTAG00000005990	8.80E-11	4.43E-11	S1PR1	1.98E+00
ENSBTAG00000017104	3.02E-10	1.52E-10	MUC1	1.98E+00
ENSBTAG00000003781	3.58E-10	1.80E-10	MPL	1.99E+00
ENSBTAG00000019013	2.06E-10	1.04E-10	HECTD3	1.98E+00

ENSBTAG00000045833	4.33E-10	2.18E-10		1.99E+00
ENSBTAG00000030674	4.15E-10	2.08E-10	AK4	1.99E+00
ENSBTAG00000017827	9.98E-10	5.00E-10		1.99E+00
ENSBTAG00000019801	3.98E-10	1.97E-10	FAM151A	2.02E+00
ENSBTAG00000017316	9.96E-10	4.93E-10		2.02E+00
ENSBTAG00000010717	3.03E-10	1.50E-10	SSBP3	2.02E+00
ENSBTAG00000021289	1.68E-10	8.30E-11	POGZ	2.02E+00
ENSBTAG00000020761	3.61E-10	1.78E-10	USP33	2.03E+00
ENSBTAG00000017819	2.35E-10	1.16E-10	PMVK	2.02E+00
ENSBTAG00000024269	4.20E-10	2.06E-10	TGFBR3	2.04E+00
ENSBTAG00000047375	7.11E-10	3.45E-10		2.06E+00
ENSBTAG00000018071	2.38E-10	1.15E-10	TMOD4	2.07E+00
ENSBTAG00000001393	2.44E-10	1.18E-10	MTF2	2.06E+00
ENSBTAG00000040512	8.33E-10	4.02E-10	PCP4L1	2.07E+00
ENSBTAG00000008636	3.60E-10	1.73E-10	PDE4B	2.08E+00
ENSBTAG00000020172	2.61E-10	1.25E-10	DENND2D	2.09E+00
ENSBTAG00000000861	4.75E-10	2.26E-10	ETV3L	2.10E+00
ENSBTAG00000017051	2.08E-10	9.87E-11	ACP6	2.10E+00
ENSBTAG00000022938	7.85E-10	3.72E-10		2.11E+00
ENSBTAG00000021024	4.65E-10	2.20E-10	MACF1	2.11E+00
ENSBTAG00000004987	1.34E-10	6.36E-11	NUP210L	2.11E+00
ENSBTAG00000003054	2.09E-10	9.88E-11	INSRR	2.12E+00
ENSBTAG00000030706	2.70E-10	1.27E-10	ALG6	2.13E+00
ENSBTAG00000017826	4.69E-10	2.21E-10	SCLY	2.12E+00
ENSBTAG000000031186	9.26E-10	4.33E-10		2.14E+00
ENSBTAG00000014151	4.48E-10	2.09E-10	RCSD1	2.14E+00
ENSBTAG00000009434	1.99E-10	9.11E-11	PAQR6	2.18E+00
ENSBTAG00000015969	6.27E-10	2.87E-10	STK40	2.18E+00
ENSBTAG00000018203	3.03E-10	1.38E-10	CD101	2.20E+00
ENSBTAG00000044178	7.05E-10	3.18E-10	ZMPSTE24	2.22E+00
ENSBTAG00000008367	1.50E-10	6.68E-11	LIX1L	2.24E+00
ENSBTAG00000006099	2.60E-10	1.16E-10	PIP5K1A	2.24E+00
ENSBTAG00000010009	3.55E-10	1.59E-10	TMCO1	2.23E+00
ENSBTAG00000038233	5.98E-10	2.66E-10		2.25E+00
ENSBTAG00000034147	3.25E-10	1.45E-10	OLFML2B	2.24E+00
ENSBTAG00000017419	3.30E-10	1.47E-10	ZZZ3	2.25E+00
ENSBTAG00000015345	1.99E-10	8.76E-11	BNIP1	2.27E+00
ENSBTAG00000010670	4.36E-10	1.92E-10	VSIG8	2.27E+00
ENSBTAG00000038844	1.13E-10	4.97E-11	ANKRD35	2.28E+00
ENSBTAG000000019131	2.41E-10	1.06E-10	CELF3	2.28E+00
ENSBTAG00000046545	1.68E-10	7.35E-11	MEF2D	2.28E+00
ENSBTAG00000000504	5.36E-10	2.33E-10	GTF2B	2.30E+00
ENSBTAG00000016694	1.36E-10	5.83E-11	KIAA0319L	2.33E+00
ENSBTAG00000019011	3.20E-10	1.37E-10	PGM1	2.33E+00
ENSBTAG00000032733	5.61E-10	2.39E-10	R11AD1	2.35E+00
ENSBTAG00000015887	2.95E-10	1.26E-10	FOXJ3	2.34E+00
ENSBTAG00000006510	1.23E-10	5.18E-11	YRDC	2.38E+00
ENSBTAG000000008372	4.41E-11	1.85E-11	PEX11B	2.37E+00
ENSBTAG00000008501	1.70E-10	7.13E-11	FOXD3	2.38E+00
ENSBTAG00000033217	1.35E-10	5.65E-11	TPM1	2.38E+00
ENSBTAG00000020153	8.44E-11	3.54E-11	NIT1	2.38E+00
ENSBTAG00000021634	7.85E-11	3.29E-11	PIAS3	2.38E+00
ENSBTAG00000015346	2.64E-10	1.11E-10	NASP	2.37E+00
ENSBTAG00000031088	4.05E-10	1.70E-10		2.38E+00
ENSBTAG00000017031	4.57E-10	1.92E-10		2.38E+00
ENSBTAG00000017029	2.59E-10	1.09E-10		2.38E+00
ENSBTAG00000017873	2.46E-10	1.03E-10	USF1	2.39E+00
ENSBTAG00000032452	5.96E-10	2.50E-10	HIST2H3A	2.38E+00
ENSBTAG00000020169	1.82E-10	7.65E-11	CEPT1	2.38E+00
ENSBTAG00000034601	5.25E-10	2.20E-10	OR6N1	2.39E+00
ENSBTAG00000012640	5.03E-10	2.11E-10	S100A8	2.38E+00
ENSBTAG00000038894	7.58E-10	3.17E-10	OR6Y1	2.39E+00
ENSBTAG00000040217	1.05E-09	4.40E-10		2.39E+00
ENSBTAG00000008022	5.27E-10	2.19E-10	PTGFRN	2.41E+00
ENSBTAG00000020510	2.44E-10	1.02E-10	EPHA10	2.39E+00
ENSBTAG00000011534	6.42E-10	2.66E-10	RAMP1	2.41E+00
ENSBTAG00000013693	8.99E-10	3.72E-10		2.42E+00
ENSBTAG00000000634	8.66E-10	3.58E-10	MLPH	2.42E+00
ENSBTAG00000002377	4.62E-10	1.91E-10	PSMB2	2.42E+00
ENSBTAG00000006370	3.61E-10	1.49E-10	CCT3	2.42E+00

ENSBTAG00000008243	3.19E-10	1.31E-10	LRRC40	2.43E+00
ENSBTAG00000008690	3.11E-10	1.27E-10		2.45E+00
ENSBTAG00000009698	5.59E-10	2.29E-10	ABCD3	2.44E+00
ENSBTAG00000030932	6.26E-10	2.55E-10	IFI44L	2.45E+00
ENSBTAG00000014291	1.91E-10	7.79E-11	WNT2B	2.46E+00
ENSBTAG00000002627	1.63E-10	6.62E-11	ZRANB2	2.46E+00
ENSBTAG00000019617	4.25E-10	1.72E-10	PTPN22	2.47E+00
ENSBTAG00000047988	5.30E-10	2.12E-10		2.50E+00
ENSBTAG00000006234	1.33E-10	5.34E-11	NPR1	2.49E+00
ENSBTAG00000001143	7.47E-10	2.98E-10		2.51E+00
ENSBTAG00000046771	4.48E-10	1.78E-10	FNDC7	2.52E+00
ENSBTAG00000002608	5.41E-10	2.14E-10	02-Sep	2.53E+00
ENSBTAG00000015067	5.01E-10	1.99E-10	NHLH2	2.52E+00
ENSBTAG00000004334	1.58E-10	6.18E-11	NCSTN	2.56E+00
ENSBTAG000000021444	3.59E-10	1.40E-10	TWIST2	2.56E+00
ENSBTAG00000024137	5.01E-10	1.95E-10	PTCH2	2.57E+00
ENSBTAG00000004772	3.30E-10	1.28E-10	THEM4	2.58E+00
ENSBTAG00000001212	3.25E-10	1.26E-10	SSR2	2.58E+00
ENSBTAG00000016307	2.03E-10	7.82E-11	CDC7	2.59E+00
ENSBTAG00000012502	1.24E-09	4.77E-10		2.60E+00
ENSBTAG00000002947	3.54E-10	1.36E-10	LY9	2.60E+00
ENSBTAG00000012348	2.84E-10	1.08E-10	LRRC71	2.63E+00
ENSBTAG00000007299	2.90E-10	1.10E-10	SF3A3	2.64E+00
ENSBTAG00000020856	4.27E-10	1.62E-10	HFM1	2.64E+00
ENSBTAG00000018888	2.31E-10	8.71E-11	DPH2	2.65E+00
ENSBTAG00000015977	1.40E-10	5.27E-11	SIKE1	2.64E+00
ENSBTAG00000017856	5.64E-10	2.12E-10	TSTD1	2.66E+00
ENSBTAG00000037673	1.25E-10	4.70E-11		2.65E+00
ENSBTAG00000011363	3.50E-10	1.32E-10	EVI5	2.65E+00
ENSBTAG00000046885	1.05E-09	3.95E-10	RXFP4	2.66E+00
ENSBTAG00000006560	1.47E-10	5.45E-11	VANGL2	2.69E+00
ENSBTAG00000002096	5.10E-10	1.90E-10		2.68E+00
ENSBTAG00000015280	2.23E-10	8.26E-11	KIF2C	2.70E+00
ENSBTAG00000021922	5.01E-10	1.84E-10	SMAP2	2.72E+00
ENSBTAG00000006167	5.69E-10	2.09E-10	KIAA1107	2.72E+00
ENSBTAG00000004315	7.30E-10	2.67E-10	HDLBP	2.73E+00
ENSBTAG00000000532	9.66E-10	3.51E-10	EXO5	2.75E+00
ENSBTAG00000008091	1.31E-10	4.70E-11	SELENBP1	2.78E+00
ENSBTAG00000021752	1.97E-10	7.08E-11	DNAJB4	2.78E+00
ENSBTAG00000014694	2.34E-10	8.41E-11	JTB	2.78E+00
ENSBTAG00000010175	2.11E-10	7.60E-11	COL8A2	2.78E+00
ENSBTAG00000003642	3.74E-10	1.34E-10	PRDX1	2.79E+00
ENSBTAG00000015369	1.13E-10	4.07E-11	MLLT11	2.77E+00
ENSBTAG00000011091	3.01E-10	1.08E-10	SGIP1	2.79E+00
ENSBTAG00000011241	3.48E-10	1.25E-10	HPDL	2.78E+00
ENSBTAG00000032997	8.89E-10	3.18E-10		2.79E+00
ENSBTAG00000016982	7.13E-10	2.55E-10	MCOLN3	2.79E+00
ENSBTAG00000002068	4.10E-10	1.45E-10	TAGLN2	2.83E+00
ENSBTAG00000005976	8.02E-10	2.84E-10	HSD17B7	2.82E+00
ENSBTAG00000037858	1.36E-10	4.78E-11		2.83E+00
ENSBTAG00000003593	1.70E-10	5.95E-11	ANKMY1	2.86E+00
ENSBTAG00000002951	2.24E-10	7.81E-11	CD244	2.86E+00
ENSBTAG00000021537	4.25E-10	1.48E-10	RWDD3	2.87E+00
ENSBTAG00000021705	2.44E-10	8.37E-11	UFC1	2.91E+00
ENSBTAG00000012982	2.43E-10	8.33E-11	PPCS	2.91E+00
ENSBTAG00000047776	2.64E-10	9.05E-11		2.91E+00
ENSBTAG00000007318	1.83E-10	6.30E-11	ZNF687	2.91E+00
ENSBTAG00000012638	6.27E-10	2.15E-10	S100A12	2.92E+00
ENSBTAG00000003060	2.67E-10	9.11E-11	NTRK1	2.93E+00
ENSBTAG00000018747	1.39E-10	4.74E-11	PRKAA2	2.93E+00
ENSBTAG00000019611	3.41E-10	1.16E-10	MAGI3	2.94E+00
ENSBTAG00000009432	4.34E-10	1.47E-10	PMF1	2.95E+00
ENSBTAG000000047685	4.78E-10	1.62E-10		2.95E+00
ENSBTAG00000012648	2.69E-10	9.05E-11	ZSWIM5	2.97E+00
ENSBTAG00000014382	2.78E-10	9.37E-11		2.97E+00
ENSBTAG00000018737	2.54E-10	8.51E-11	GLMN	2.98E+00
ENSBTAG00000012471	5.86E-10	1.96E-10	ILF2	2.99E+00
ENSBTAG00000013017	1.31E-10	4.40E-11	GNAT2	2.97E+00
ENSBTAG00000021943	3.32E-10	1.10E-10	NFYC	3.02E+00
ENSBTAG00000017135	2.58E-10	8.55E-11	CTSS	3.01E+00

ENSBTAG00000020026	1.85E-10	6.13E-11		3.02E+00
ENSBTAG00000008921	3.21E-10	1.05E-10	NEXN	3.05E+00
ENSBTAG00000013789	1.67E-09	5.46E-10	OR6K6	3.05E+00
ENSBTAG00000013869	8.71E-10	2.82E-10	SH3BP4	3.09E+00
ENSBTAG00000002910	5.60E-10	1.80E-10	ECHDC2	3.11E+00
ENSBTAG00000011511	2.88E-10	9.14E-11		3.15E+00
ENSBTAG00000047351	1.67E-10	5.25E-11		3.18E+00
ENSBTAG00000024476	9.36E-11	2.94E-11	CKS1B	3.17E+00
ENSBTAG00000048212	3.79E-10	1.19E-10		3.19E+00
ENSBTAG00000021714	4.48E-10	1.41E-10	TEKT2	3.17E+00
ENSBTAG00000045889	1.28E-10	4.03E-11		3.17E+00
ENSBTAG00000000608	3.32E-10	1.04E-10	PRCC	3.19E+00
ENSBTAG00000023247	6.80E-10	2.13E-10		3.19E+00
ENSBTAG00000017615	1.29E-09	4.03E-10	PRLH	3.21E+00
ENSBTAG00000020214	9.83E-10	3.02E-10	LRRC8B	3.25E+00
ENSBTAG00000015408	3.94E-10	1.21E-10	DTYMK	3.26E+00
ENSBTAG00000003724	2.60E-10	7.91E-11		3.28E+00
ENSBTAG00000038938	1.42E-09	4.31E-10		3.30E+00
ENSBTAG00000020395	2.41E-10	7.26E-11	LYSMD1	3.31E+00
ENSBTAG00000016723	2.49E-10	7.51E-11	GFI1	3.31E+00
ENSBTAG00000018281	2.24E-10	6.70E-11	GPX7	3.34E+00
ENSBTAG00000003217	6.25E-10	1.87E-10	CADM3	3.34E+00
ENSBTAG00000006364	4.90E-10	1.45E-10	GLMP	3.38E+00
ENSBTAG00000030208	8.92E-10	2.58E-10	ERFE	3.46E+00
ENSBTAG00000012694	1.01E-09	2.87E-10	UHMK1	3.53E+00
ENSBTAG00000013054	5.13E-10	1.45E-10	MFSD2A	3.53E+00
ENSBTAG00000017656	5.98E-10	1.69E-10		3.54E+00
ENSBTAG00000014204	2.14E-10	5.97E-11	S100A16	3.57E+00
ENSBTAG00000006295	1.41E-10	3.94E-11	TSHB	3.57E+00
ENSBTAG00000000094	7.39E-10	2.06E-10	ATPAF1	3.58E+00
ENSBTAG00000045970	5.98E-10	1.67E-10		3.58E+00
ENSBTAG000000040248	4.76E-10	1.33E-10		3.58E+00
ENSBTAG00000010445	5.99E-10	1.66E-10	DNASE2B	3.61E+00
ENSBTAG00000007515	3.19E-10	8.77E-11	UBE2Q1	3.63E+00
ENSBTAG00000008926	2.84E-10	7.74E-11	FUBP1	3.67E+00
ENSBTAG00000000123	2.32E-10	6.29E-11	HAO2	3.68E+00
ENSBTAG00000034841	1.40E-09	3.79E-10		3.69E+00
ENSBTAG00000002306	3.86E-10	1.04E-10	UTP11	3.71E+00
ENSBTAG00000000785	6.27E-10	1.69E-10	PASK	3.71E+00
ENSBTAG00000012887	5.57E-10	1.50E-10	FCER1A	3.71E+00
ENSBTAG00000007320	2.02E-10	5.39E-11	PI4KB	3.75E+00
ENSBTAG00000024470	1.99E-10	5.21E-11	SH2D2A	3.81E+00
ENSBTAG00000000497	7.23E-10	1.85E-10	AKR1A1	3.91E+00
ENSBTAG00000000097	6.45E-10	1.64E-10	EFCAB14	3.93E+00
ENSBTAG00000008373	7.86E-11	1.98E-11	ITGA10	3.96E+00
ENSBTAG00000019698	3.11E-10	7.82E-11	TMCO2	3.98E+00
ENSBTAG00000022528	4.25E-10	1.07E-10		3.97E+00
ENSBTAG00000023748	4.35E-10	1.09E-10		3.99E+00
ENSBTAG00000032187	4.43E-10	1.11E-10	ZNF697	3.99E+00
ENSBTAG00000024096	6.70E-10	1.68E-10	LSM10	3.99E+00
ENSBTAG00000003777	4.88E-10	1.22E-10	TIE1	4.00E+00
ENSBTAG00000002050	2.96E-10	7.34E-11	COA7	4.03E+00
ENSBTAG00000015220	3.27E-10	8.08E-11	AGO4	4.05E+00
ENSBTAG00000020451	2.26E-10	5.50E-11	USP1	4.10E+00
ENSBTAG00000016899	4.90E-10	1.19E-10	MED8	4.11E+00
ENSBTAG00000006373	3.15E-10	7.61E-11	TSACC	4.13E+00
ENSBTAG00000019540	6.10E-10	1.47E-10	CRNN	4.15E+00
ENSBTAG00000014325	2.08E-10	5.00E-11	C1orf109	4.16E+00
ENSBTAG00000009526	5.50E-10	1.31E-10	TMEM59	4.20E+00
ENSBTAG00000009435	2.99E-10	7.08E-11	SMG5	4.23E+00
ENSBTAG00000016455	4.48E-10	1.05E-10	CACHD1	4.26E+00
ENSBTAG00000016377	5.06E-10	1.17E-10	IPP	4.32E+00
ENSBTAG00000017256	3.40E-10	7.84E-11	CD2	4.33E+00
ENSBTAG00000017624	4.70E-10	1.08E-10	RAB17	4.35E+00
ENSBTAG00000021894	2.44E-10	5.57E-11	PPOX	4.37E+00
ENSBTAG00000046812	5.11E-10	1.17E-10	TEX38	4.36E+00
ENSBTAG00000030193	6.75E-10	1.54E-10	GPR35	4.38E+00
ENSBTAG00000039281	9.64E-10	2.19E-10		4.40E+00
ENSBTAG00000033423	2.63E-10	5.91E-11		4.45E+00
ENSBTAG00000012414	5.56E-10	1.24E-10		4.48E+00

ENSBTAG00000026114	6.10E-10	1.36E-10		4.48E+00
ENSBTAG00000007300	1.83E-10	4.06E-11	FHL3	4.50E+00
ENSBTAG00000006903	6.13E-10	1.36E-10		4.51E+00
ENSBTAG00000015285	6.62E-10	1.47E-10	RPS8	4.50E+00
ENSBTAG00000005805	6.88E-10	1.51E-10	EPHX4	4.55E+00
ENSBTAG000000017368	2.72E-10	5.96E-11	YBX1	4.57E+00
ENSBTAG000000021386	5.10E-10	1.10E-10	ANGPTL3	4.64E+00
ENSBTAG00000004271	1.68E-10	3.60E-11	UBAP2L	4.65E+00
ENSBTAG000000018487	5.97E-10	1.27E-10	CFAP45	4.70E+00
ENSBTAG000000000789	5.18E-10	1.09E-10	PPP1R7	4.75E+00
ENSBTAG00000014466	4.14E-10	8.72E-11	VTCN1	4.74E+00
ENSBTAG00000006678	1.41E-10	2.96E-11	GATAD2B	4.76E+00
ENSBTAG000000018070	1.93E-10	4.05E-11	SCNM1	4.76E+00
ENSBTAG000000009436	4.07E-10	8.53E-11	TMEM79	4.77E+00
ENSBTAG000000015349	2.29E-10	4.81E-11	C1orf56	4.76E+00
ENSBTAG000000021079	4.85E-10	1.02E-10	C1orf210	4.76E+00
ENSBTAG000000046792	1.02E-09	2.13E-10		4.80E+00
ENSBTAG000000013363	6.31E-10	1.31E-10	CAP1	4.81E+00
ENSBTAG000000011881	4.58E-10	9.20E-11	TDRD10	4.98E+00
ENSBTAG000000014692	3.13E-10	6.21E-11	CREB3L4	5.03E+00
ENSBTAG000000021893	2.53E-10	5.02E-11	USP21	5.03E+00
ENSBTAG000000006125	2.19E-10	4.23E-11	PLK3	5.16E+00
ENSBTAG000000015363	2.80E-10	5.41E-11	CDC42SE1	5.16E+00
ENSBTAG000000048081	4.46E-10	8.62E-11	TOMM20	5.17E+00
ENSBTAG000000021035	4.15E-10	8.02E-11	CTSK	5.17E+00
ENSBTAG000000008810	5.52E-10	1.05E-10		5.26E+00
ENSBTAG000000005973	8.14E-10	1.47E-10		5.54E+00
ENSBTAG000000017027	1.15E-10	2.06E-11	MMACHC	5.54E+00
ENSBTAG000000010673	4.19E-10	7.52E-11	EFNA4	5.57E+00
ENSBTAG000000008808	4.34E-10	7.79E-11	CCDC17	5.57E+00
ENSBTAG000000007724	2.28E-10	4.10E-11		5.55E+00
ENSBTAG000000039529	5.30E-10	9.50E-11	BTBD19	5.57E+00
ENSBTAG000000010174	8.35E-10	1.49E-10	C1orf111	5.60E+00
ENSBTAG000000046632	1.15E-09	2.05E-10		5.61E+00
ENSBTAG000000010206	7.52E-10	1.33E-10	UAP1	5.65E+00
ENSBTAG000000007123	3.41E-10	5.83E-11	ENSA	5.83E+00
ENSBTAG000000000690	5.51E-10	9.42E-11	THEM5	5.84E+00
ENSBTAG000000011238	2.61E-10	4.40E-11	CD48	5.92E+00
ENSBTAG000000005443	2.08E-10	3.50E-11	MIER1	5.93E+00
ENSBTAG000000003440	7.95E-10	1.33E-10		5.98E+00
ENSBTAG000000004715	4.66E-10	7.63E-11	AKIRIN1	6.10E+00
ENSBTAG000000038523	3.14E-10	5.13E-11	ATP1A4	6.11E+00
ENSBTAG000000019838	1.88E-10	2.96E-11	SHC1	6.33E+00
ENSBTAG000000024503	2.03E-10	3.19E-11	FCER1G	6.34E+00
ENSBTAG000000046720	3.98E-10	6.26E-11		6.36E+00
ENSBTAG000000002724	5.30E-10	8.31E-11	HORMAD1	6.37E+00
ENSBTAG000000023556	7.02E-10	1.10E-10	OR10K2	6.37E+00
ENSBTAG000000020345	2.67E-10	4.10E-11		6.49E+00
ENSBTAG000000015401	3.80E-10	5.83E-11	ATG4B	6.52E+00
ENSBTAG000000024960	9.03E-10	1.38E-10		6.54E+00
ENSBTAG000000002203	4.31E-10	6.50E-11	NDUFS2	6.63E+00
ENSBTAG000000030337	2.39E-10	3.54E-11		6.73E+00
ENSBTAG000000039287	5.72E-10	8.04E-11	ZFP69	7.10E+00
ENSBTAG000000010458	2.19E-10	3.07E-11		7.13E+00
ENSBTAG000000032995	3.12E-10	4.36E-11	LELP1	7.14E+00
ENSBTAG000000004776	5.25E-10	7.32E-11	DUSP23	7.17E+00
ENSBTAG000000021715	7.85E-10	1.09E-10	ADPRHL2	7.20E+00
ENSBTAG000000019616	7.14E-10	9.94E-11	APCS	7.18E+00
ENSBTAG000000020344	6.83E-10	9.44E-11	SLC44A3	7.23E+00
ENSBTAG000000009431	4.00E-10	5.51E-11	SLC25A44	7.24E+00
ENSBTAG000000003147	5.02E-10	6.55E-11	JAK1	7.66E+00
ENSBTAG000000017574	4.17E-10	5.40E-11	LMNA	7.71E+00
ENSBTAG000000015288	7.84E-10	1.01E-10	BEST4	7.76E+00
ENSBTAG000000001197	2.66E-10	3.22E-11	SLAMF7	8.25E+00
ENSBTAG000000014580	8.66E-10	1.04E-10	FCRLB	8.32E+00
ENSBTAG000000046797	1.74E-10	2.08E-11	NRAS	8.33E+00
ENSBTAG000000020767	9.85E-10	1.16E-10		8.48E+00
ENSBTAG000000046220	4.93E-10	5.79E-11		8.49E+00
ENSBTAG000000010232	8.10E-10	9.39E-11	NDUFS5	8.62E+00
ENSBTAG000000017580	1.84E-10	2.10E-11	RFX5	8.72E+00

ENSBTAG00000021823	2.42E-10	2.77E-11	HFE2	8.72E+00
ENSBTAG00000046175	4.26E-10	4.87E-11		8.74E+00
ENSBTAG00000018324	4.16E-10	4.65E-11	AGO3	8.92E+00
ENSBTAG00000002826	2.59E-10	2.74E-11	CLSPN	9.41E+00
ENSBTAG00000034349	1.99E-10	2.09E-11	IFI44	9.48E+00
ENSBTAG00000009617	3.17E-10	3.29E-11	SLC2A1	9.61E+00
ENSBTAG00000047038	6.46E-10	6.23E-11		1.04E+01
ENSBTAG00000039260	7.24E-10	6.98E-11	RPTN	1.04E+01
ENSBTAG00000045515	9.59E-10	9.22E-11		1.04E+01
ENSBTAG00000007194	6.82E-10	6.33E-11	GUCA2B	1.08E+01
ENSBTAG00000020357	5.67E-10	5.11E-11	GOLPH3L	1.11E+01
ENSBTAG00000004331	2.73E-10	2.46E-11	PYGO2	1.11E+01
ENSBTAG00000005580	5.71E-10	4.80E-11	SZT2	1.19E+01
ENSBTAG00000012253	1.47E-10	1.20E-11	AGO1	1.21E+01
ENSBTAG00000047443	6.76E-10	5.49E-11		1.23E+01
ENSBTAG00000005196	5.56E-10	4.13E-11	TYW3	1.34E+01
ENSBTAG00000018914	1.97E-10	1.46E-11	RAB25	1.34E+01
ENSBTAG00000006338	3.40E-10	2.51E-11	MYCL	1.35E+01
ENSBTAG00000048022	6.36E-10	4.19E-11		1.51E+01
ENSBTAG00000023986	7.46E-10	3.81E-11		1.95E+01
ENSBTAG00000005166	2.35E-10	1.09E-11	CHTOP	2.14E+01
ENSBTAG00000005583	9.40E-10	3.91E-11	HYI	2.40E+01
ENSBTAG00000007927	2.94E-10	1.06E-11	SLAMF1	2.75E+01
ENSBTAG00000009982	4.10E-10	1.47E-11	IGSF8	2.77E+01
ENSBTAG000000004590	1.53E-10	5.21E-12	PIIH	2.89E+01
ENSBTAG00000010551	3.67E-10	8.23E-12	ATP1A2	4.41E+01
ENSBTAG00000003249	1.30E-09	0		1.30E+04
ENSBTAG00000020150	1.35E-10	0	KLHDC9	1.35E+03
ENSBTAG00000024507	3.20E-10	0	KCNJ9	3.20E+03
ENSBTAG00000038426	9.40E-11	0		9.41E+02
ENSBTAG00000038366	0	0		1.00E+00
ENSBTAG000000026180	1.21E-10	0		1.21E+03
ENSBTAG00000009433	1.56E-10	0	BGLAP	1.56E+03
ENSBTAG00000011754	2.13E-10	0	LAMTOR2	2.13E+03
ENSBTAG00000001548	2.98E-10	0	UBQLN4	2.98E+03
ENSBTAG00000003535	0	0	DPM3	1.00E+00
ENSBTAG00000004552	3.52E-10	0	PBXIP1	3.52E+03
ENSBTAG00000033220	1.78E-10	0	C1orf189	1.78E+03
ENSBTAG00000013866	1.08E-10	0		1.08E+03
ENSBTAG000000005163	2.67E-10	0		2.68E+03
ENSBTAG00000021378	1.58E-10	0	S100A13	1.58E+03
ENSBTAG00000021377	7.97E-11	0	S100A14	7.98E+02
ENSBTAG00000037651	7.37E-11	0	S100A2	7.38E+02
ENSBTAG000000039105	5.94E-11	0	S100A3	5.95E+02
ENSBTAG00000019203	5.57E-11	0	S100A4	5.58E+02
ENSBTAG00000000644	1.21E-10	0	S100A5	1.21E+03
ENSBTAG00000008700	6.86E-10	0		6.86E+03
ENSBTAG000000020394	4.67E-10	0	TNFAIP8L2	4.67E+03
ENSBTAG00000008369	1.23E-10	0	RBM8A	1.23E+03
ENSBTAG00000001873	2.35E-10	0		2.35E+03
ENSBTAG00000012182	0	0	DIRAS3	1.00E+00
ENSBTAG00000045643	7.78E-11	0	FOXD2	7.79E+02
ENSBTAG00000007195	2.05E-10	0	GUCA2A	2.05E+03
ENSBTAG00000045776	1.54E-10	0	C1orf122	1.54E+03
ENSBTAG000000030239	1.76E-10	0		1.76E+03
ENSBTAG00000008898	3.90E-11	0	GBX2	3.91E+02
ENSBTAG00000030221	2.08E-10	0		2.09E+03
ENSBTAG00000047813	1.61E-09	0		1.61E+04
ENSBTAG00000014833	1.72E-10	0	NEU4	1.72E+03
ENSBTAG00000045647	1.42E-10	0	ARL4C	1.42E+03
ENSBTAG00000048084	9.74E-10	0		9.74E+03
ENSBTAG00000040382	5.93E-10	0		5.93E+03
ENSBTAG00000046872	1.78E-10	0		1.78E+03
ENSBTAG00000032057	0	0		1.00E+00
ENSBTAG00000012555	2.98E-11	0	RBM15	2.99E+02
ENSBTAG00000046077	0	0		1.00E+00
ENSBTAG00000040313	2.30E-10	0	PARS2	2.30E+03
ENSBTAG00000006128	3.73E-10	0	TCTEX1D4	3.73E+03
ENSBTAG00000030338	6.41E-10	0	GJA9	6.41E+03
ENSBTAG00000038292	4.69E-10	0	C1orf216	4.69E+03

ENSBTAG00000034449	1.37E-10	0		1.38E+03
ENSBTAG00000039035	8.48E-11	0	HSPA6	8.49E+02
ENSBTAG00000020027	0	0	NHLH1	1.00E+00
ENSBTAG00000022556	6.12E-10	0		6.12E+03
ENSBTAG00000045672	0	0		1.00E+00
ENSBTAG00000018987	0	0		1.00E+00
ENSBTAG00000032446	0	0		1.00E+00
ENSBTAG00000038476	1.21E-09	0	HIST2H2AB	1.21E+04
ENSBTAG00000032458	0	0		1.00E+00
ENSBTAG00000032456	0	0	HIST2H2AC	1.00E+00
ENSBTAG00000032455	4.31E-10	0		4.31E+03
ENSBTAG00000046368	0	0		1.00E+00
ENSBTAG00000008365	0	0	ANKRD34A	1.00E+00
ENSBTAG00000031965	0	4.40E-10	TRGV11	2.27E-04
ENSBTAG00000047459	0	6.17E-10		1.62E-04
ENSBTAG00000020004	7.35E-11	5.63E-10	ZNF800	1.31E-01
ENSBTAG00000007400	1.76E-10	1.23E-09	OR2A5	1.43E-01
ENSBTAG00000022613	2.05E-10	7.03E-10		2.91E-01
ENSBTAG00000020448	2.32E-10	7.52E-10	ZNF282	3.08E-01
ENSBTAG00000017866	1.52E-10	4.80E-10		3.17E-01
ENSBTAG00000046648	4.50E-11	1.18E-10	CPA4	3.81E-01
ENSBTAG00000014532	9.45E-11	2.38E-10		3.97E-01
ENSBTAG00000038030	9.35E-11	2.36E-10		3.96E-01
ENSBTAG00000038201	8.69E-11	2.19E-10	OR2A12	3.97E-01
ENSBTAG00000013473	5.92E-11	1.49E-10	SSMEM1	3.97E-01
ENSBTAG00000004995	4.31E-10	9.95E-10	C1GALT1	4.33E-01
ENSBTAG00000016766	2.49E-10	5.23E-10	TMEM176B	4.76E-01
ENSBTAG00000001822	1.98E-10	4.04E-10	SNX10	4.89E-01
ENSBTAG00000031106	2.20E-10	4.48E-10	ZNF746	4.90E-01
ENSBTAG00000002810	1.53E-10	2.70E-10	ZNF777	5.65E-01
ENSBTAG00000019447	3.18E-10	5.55E-10	NPVF	5.73E-01
ENSBTAG00000031958	3.64E-10	6.13E-10		5.94E-01
ENSBTAG00000003825	9.39E-11	1.53E-10	PTPN12	6.14E-01
ENSBTAG00000001592	3.54E-10	5.64E-10	INSIG1	6.28E-01
ENSBTAG00000005102	1.45E-10	2.31E-10	PHTF2	6.28E-01
ENSBTAG00000045673	7.23E-10	1.14E-09		6.34E-01
ENSBTAG00000037927	3.52E-10	5.55E-10		6.34E-01
ENSBTAG00000002445	1.43E-10	2.25E-10	ZNF783	6.36E-01
ENSBTAG00000000911	8.01E-11	1.22E-10	UBE2H	6.57E-01
ENSBTAG00000024552	1.52E-10	2.25E-10	SHH	6.76E-01
ENSBTAG00000003372	4.10E-10	6.05E-10	SLC35B4	6.77E-01
ENSBTAG00000020364	1.05E-09	1.55E-09		6.77E-01
ENSBTAG00000006022	6.87E-10	1.01E-09		6.80E-01
ENSBTAG00000019445	5.68E-10	8.32E-10	C7orf31	6.83E-01
ENSBTAG00000032650	5.76E-10	8.32E-10	DPY19L2	6.93E-01
ENSBTAG00000034645	2.32E-10	3.33E-10	PON3	6.96E-01
ENSBTAG00000045567	1.96E-10	2.77E-10	PRR15	7.07E-01
ENSBTAG000000039614	1.05E-09	1.44E-09		7.31E-01
ENSBTAG00000039594	4.31E-10	5.88E-10	ZNF862	7.33E-01
ENSBTAG00000007680	3.42E-10	4.57E-10	THSD7A	7.48E-01
ENSBTAG00000013768	4.07E-10	5.43E-10	NPSR1	7.49E-01
ENSBTAG00000019794	2.55E-10	3.35E-10	SYPL1	7.60E-01
ENSBTAG00000009832	5.23E-10	6.78E-10	NOBOX	7.71E-01
ENSBTAG00000001815	7.01E-10	9.02E-10	ARHGEF5	7.77E-01
ENSBTAG00000007746	2.13E-10	2.71E-10		7.86E-01
ENSBTAG00000011191	1.73E-10	2.19E-10		7.92E-01
ENSBTAG00000047193	1.94E-10	2.44E-10		7.94E-01
ENSBTAG00000047555	2.15E-10	2.71E-10		7.94E-01
ENSBTAG00000046817	1.77E-10	2.23E-10		7.92E-01
ENSBTAG00000024242	1.55E-09	1.96E-09	TRBV16	7.92E-01
ENSBTAG00000047722	1.76E-10	2.21E-10		7.94E-01
ENSBTAG00000038960	3.02E-10	3.80E-10		7.94E-01
ENSBTAG00000009717	3.31E-10	4.18E-10	FGL2	7.93E-01
ENSBTAG00000008138	4.17E-11	5.25E-11	HOXA2	7.95E-01
ENSBTAG00000001063	3.61E-11	4.55E-11	HOXA4	7.95E-01
ENSBTAG00000015844	7.61E-11	9.59E-11	TFPI2	7.94E-01
ENSBTAG00000033290	1.06E-10	1.34E-10		7.94E-01
ENSBTAG00000001448	4.57E-10	5.76E-10		7.94E-01
ENSBTAG00000024199	2.96E-10	3.73E-10	KMT2C	7.92E-01
ENSBTAG00000046275	5.84E-10	7.35E-10		7.94E-01



ENSBTAG00000046823	4.52E-11	5.70E-11	LINC00998	7.93E-01
ENSBTAG00000039401	7.15E-10	9.01E-10	TRBV15	7.93E-01
ENSBTAG00000045576	7.78E-10	9.80E-10		7.94E-01
ENSBTAG00000039956	3.19E-10	4.02E-10		7.94E-01
ENSBTAG00000030876	8.20E-11	1.03E-10		7.96E-01
ENSBTAG00000000397	7.10E-10	8.95E-10	CNPY1	7.93E-01
ENSBTAG00000040130	6.00E-10	7.56E-10	OR6B1	7.94E-01
ENSBTAG00000040387	1.45E-09	1.83E-09		7.93E-01
ENSBTAG00000047922	3.94E-10	4.96E-10		7.94E-01
ENSBTAG00000012894	1.29E-09	1.63E-09	SAMD9	7.92E-01
ENSBTAG00000039674	1.11E-09	1.40E-09		7.93E-01
ENSBTAG00000048097	4.28E-10	5.39E-10		7.94E-01
ENSBTAG00000046588	2.84E-11	3.58E-11	DNAJB9	7.93E-01
ENSBTAG00000047294	3.55E-11	4.48E-11	CUL1	7.94E-01
ENSBTAG00000040261	3.43E-10	4.33E-10		7.93E-01
ENSBTAG00000048016	2.67E-09	3.36E-09		7.93E-01
ENSBTAG00000031216	1.90E-10	2.39E-10		7.94E-01
ENSBTAG00000045648	1.43E-10	1.80E-10		7.93E-01
ENSBTAG00000008025	2.58E-10	3.24E-10	UBE3C	7.98E-01
ENSBTAG00000013226	9.03E-10	1.13E-09	HUS1	7.99E-01
ENSBTAG00000027341	7.36E-10	9.17E-10		8.03E-01
ENSBTAG00000015753	1.73E-10	2.14E-10	RSBN1L	8.07E-01
ENSBTAG00000008361	3.28E-10	4.05E-10	PON2	8.09E-01
ENSBTAG00000017676	4.91E-10	6.06E-10	TPK1	8.11E-01
ENSBTAG000000002912	1.71E-10	2.07E-10	INHBA	8.26E-01
ENSBTAG00000005785	6.63E-10	8.01E-10	DPY19L1	8.28E-01
ENSBTAG00000015800	7.00E-10	8.44E-10		8.30E-01
ENSBTAG00000003424	7.61E-10	9.08E-10	BET1	8.38E-01
ENSBTAG00000005475	4.45E-10	5.31E-10		8.38E-01
ENSBTAG00000014381	6.32E-10	7.51E-10	CRHR2	8.41E-01
ENSBTAG00000003508	4.42E-10	5.21E-10	CFAP69	8.49E-01
ENSBTAG00000013168	3.85E-10	4.53E-10	RPA3	8.50E-01
ENSBTAG00000019844	1.90E-10	2.22E-10	ZNF467	8.55E-01
ENSBTAG00000004640	8.69E-10	1.00E-09		8.69E-01
ENSBTAG00000011145	5.33E-10	6.15E-10	NDUFA4	8.66E-01
ENSBTAG00000030897	2.51E-10	2.88E-10	XRCC2	8.73E-01
ENSBTAG00000006721	4.85E-10	5.53E-10	TWISTNB	8.77E-01
ENSBTAG00000019342	6.76E-10	7.68E-10	OSBPL3	8.80E-01
ENSBTAG00000001502	8.27E-10	9.37E-10		8.83E-01
ENSBTAG000000006161	2.96E-10	3.34E-10	MET	8.86E-01
ENSBTAG00000002714	5.14E-10	5.77E-10	GNAI1	8.91E-01
ENSBTAG00000017680	9.95E-10	1.12E-09	NOS3	8.88E-01
ENSBTAG00000014074	1.02E-10	1.15E-10		8.89E-01
ENSBTAG00000003628	3.61E-10	4.04E-10	PRSS58	8.94E-01
ENSBTAG00000011120	5.20E-10	5.81E-10	GBX1	8.95E-01
ENSBTAG00000021967	4.02E-10	4.47E-10	TMEM168	9.00E-01
ENSBTAG00000048115	1.48E-09	1.64E-09		9.01E-01
ENSBTAG000000004078	6.48E-10	7.20E-10	KCNH2	9.00E-01
ENSBTAG00000019403	1.03E-09	1.14E-09	MALSU1	9.03E-01
ENSBTAG00000018064	1.69E-10	1.87E-10	FAM221A	9.05E-01
ENSBTAG00000012119	4.14E-10	4.59E-10	PTPRZ1	9.01E-01
ENSBTAG00000044012	1.14E-10	1.26E-10	TMEM196	9.07E-01
ENSBTAG00000038934	1.58E-09	1.74E-09		9.09E-01
ENSBTAG00000011246	2.12E-10	2.33E-10	FOXP2	9.08E-01
ENSBTAG00000015802	4.68E-10	5.12E-10	CREB3L2	9.14E-01
ENSBTAG00000013476	4.52E-11	4.94E-11	CPA5	9.16E-01
ENSBTAG00000004215	3.99E-10	4.35E-10	RARRES2	9.17E-01
ENSBTAG00000000144	1.43E-09	1.56E-09		9.19E-01
ENSBTAG000000008032	2.78E-10	3.01E-10	ACTR3B	9.24E-01
ENSBTAG00000008895	1.44E-10	1.55E-10		9.27E-01
ENSBTAG00000046461	5.90E-10	6.37E-10		9.26E-01
ENSBTAG00000014674	3.90E-10	4.21E-10	CHRM2	9.26E-01
ENSBTAG00000021996	7.77E-10	8.38E-10	GATAD1	9.27E-01
ENSBTAG00000006674	4.67E-10	5.01E-10	SLC13A1	9.33E-01
ENSBTAG00000046169	2.47E-10	2.65E-10	CPA1	9.33E-01
ENSBTAG00000000604	3.97E-10	4.25E-10	GPNMB	9.35E-01
ENSBTAG00000007806	7.06E-10	7.55E-10	MTPN	9.36E-01
ENSBTAG00000018972	2.24E-10	2.39E-10	GARS	9.37E-01
ENSBTAG00000047979	7.51E-10	8.02E-10		9.36E-01
ENSBTAG00000024420	7.13E-10	7.60E-10	COL28A1	9.38E-01

ENSBTAG0000000548	7.84E-11	8.34E-11	KLHDC10	9.40E-01
ENSBTAG0000000296	1.18E-10	1.25E-10	IMPDH1	9.44E-01
ENSBTAG00000007305	3.37E-10	3.57E-10	VPS41	9.45E-01
ENSBTAG00000018185	5.36E-10	5.67E-10	ASB4	9.46E-01
ENSBTAG00000004136	2.48E-10	2.62E-10	NFE2L3	9.47E-01
ENSBTAG000000032288	6.94E-10	7.30E-10	GCK	9.51E-01
ENSBTAG000000039231	1.97E-10	2.08E-10	MTURN	9.49E-01
ENSBTAG00000018917	2.37E-10	2.49E-10		9.52E-01
ENSBTAG00000003808	3.64E-10	3.81E-10	HDAC9	9.56E-01
ENSBTAG000000015749	2.25E-10	2.35E-10	STEAP1	9.59E-01
ENSBTAG00000016879	2.02E-10	2.10E-10	KIAA1147	9.61E-01
ENSBTAG00000019980	5.15E-10	5.36E-10	DGKI	9.61E-01
ENSBTAG00000017427	3.13E-10	3.25E-10	FAM180A	9.64E-01
ENSBTAG000000043955	5.07E-10	5.24E-10	C7orf72	9.67E-01
ENSBTAG00000017541	6.38E-10	6.58E-10	TBX20	9.70E-01
ENSBTAG00000009218	3.35E-10	3.46E-10	ANLN	9.69E-01
ENSBTAG000000046433	1.34E-09	1.39E-09		9.67E-01
ENSBTAG000000047657	1.95E-09	2.00E-09		9.75E-01
ENSBTAG000000038690	1.95E-09	2.00E-09		9.75E-01
ENSBTAG00000020931	3.99E-10	4.08E-10	CHN2	9.78E-01
ENSBTAG000000004575	2.75E-10	2.81E-10	FAM126A	9.80E-01
ENSBTAG000000004958	3.01E-10	3.06E-10		9.84E-01
ENSBTAG000000021941	5.64E-10	5.73E-10		9.84E-01
ENSBTAG000000031866	1.48E-10	1.49E-10		9.93E-01
ENSBTAG000000021073	4.54E-10	4.58E-10	KIAA1549	9.92E-01
ENSBTAG000000017223	3.22E-11	3.24E-11	MEST	9.93E-01
ENSBTAG000000001198	4.60E-10	4.63E-10		9.93E-01
ENSBTAG000000002154	4.76E-10	4.79E-10	GPR141	9.93E-01
ENSBTAG000000000991	2.41E-10	2.43E-10	MRPL32	9.93E-01
ENSBTAG000000002107	1.97E-10	1.99E-10	FZD1	9.92E-01
ENSBTAG000000034154	4.39E-10	4.41E-10	AGMO	9.95E-01
ENSBTAG000000021260	1.16E-10	1.17E-10	GALNT11	9.91E-01
ENSBTAG000000008468	5.04E-10	5.06E-10	AGAP3	9.97E-01
ENSBTAG000000013781	2.41E-10	2.42E-10	MIOS	9.96E-01
ENSBTAG000000032077	3.35E-10	3.34E-10	KCND2	1.00E+00
ENSBTAG000000018838	8.18E-10	8.14E-10	IQCA1L	1.00E+00
ENSBTAG000000004643	3.37E-10	3.35E-10	WASL	1.01E+00
ENSBTAG000000007762	7.91E-10	7.85E-10	ASIC3	1.01E+00
ENSBTAG000000002332	1.55E-09	1.54E-09	LSM5	1.00E+00
ENSBTAG000000010062	3.41E-10	3.37E-10	SLC26A4	1.01E+00
ENSBTAG000000018442	7.79E-10	7.70E-10	PRSS37	1.01E+00
ENSBTAG000000016435	3.06E-10	3.02E-10	NOM1	1.01E+00
ENSBTAG000000027832	6.65E-10	6.54E-10		1.02E+00
ENSBTAG000000016707	5.77E-10	5.65E-10	FKBP9	1.02E+00
ENSBTAG000000039093	8.85E-10	8.66E-10		1.02E+00
ENSBTAG000000016014	7.17E-10	7.02E-10	NUPL2	1.02E+00
ENSBTAG000000000389	2.26E-10	2.21E-10	ZNF212	1.02E+00
ENSBTAG000000013673	1.60E-09	1.57E-09		1.02E+00
ENSBTAG000000017245	1.18E-10	1.16E-10	COPG2	1.02E+00
ENSBTAG000000009426	1.19E-10	1.15E-10	EZH2	1.03E+00
ENSBTAG000000012456	7.88E-10	7.67E-10	HEPACAM2	1.03E+00
ENSBTAG000000024431	8.05E-10	7.81E-10	PEX1	1.03E+00
ENSBTAG000000046257	2.84E-10	2.75E-10		1.03E+00
ENSBTAG000000031212	3.55E-10	3.44E-10		1.03E+00
ENSBTAG000000016220	2.05E-10	1.96E-10	WIPF3	1.04E+00
ENSBTAG000000000799	4.88E-10	4.69E-10	ICA1	1.04E+00
ENSBTAG000000001908	4.36E-10	4.18E-10	DLD	1.04E+00
ENSBTAG000000004799	1.55E-10	1.48E-10	DENND2A	1.05E+00
ENSBTAG000000014879	5.05E-10	4.82E-10	FAM185A	1.05E+00
ENSBTAG000000018909	2.25E-10	2.15E-10		1.05E+00
ENSBTAG000000024340	1.35E-10	1.27E-10	TRIL	1.06E+00
ENSBTAG000000038127	7.74E-10	7.30E-10		1.06E+00
ENSBTAG000000046020	1.39E-09	1.31E-09		1.06E+00
ENSBTAG000000024230	1.05E-09	9.89E-10		1.06E+00
ENSBTAG000000014372	8.33E-10	7.84E-10	SMARCD3	1.06E+00
ENSBTAG000000001582	6.92E-10	6.50E-10		1.07E+00
ENSBTAG000000039588	1.03E-09	9.65E-10		1.07E+00
ENSBTAG000000021851	3.88E-10	3.63E-10	BCAP29	1.07E+00
ENSBTAG000000012078	7.95E-10	7.42E-10	TMEM176A	1.07E+00
ENSBTAG000000035945	1.74E-10	1.62E-10		1.07E+00

ENSBTAG00000011226	5.81E-10	5.42E-10	SLC4A2	1.07E+00
ENSBTAG00000037510	7.84E-10	7.28E-10		1.08E+00
ENSBTAG00000040331	1.00E-09	9.29E-10		1.08E+00
ENSBTAG00000024406	6.49E-10	5.98E-10	AGR2	1.09E+00
ENSBTAG0000001036	3.24E-10	2.97E-10	HIBADH	1.09E+00
ENSBTAG00000011247	5.54E-11	5.08E-11	ZC3HC1	1.09E+00
ENSBTAG00000010300	1.64E-09	1.50E-09		1.09E+00
ENSBTAG00000003773	2.76E-10	2.53E-10	SLC25A13	1.09E+00
ENSBTAG00000000189	4.16E-10	3.81E-10	LHFPL3	1.09E+00
ENSBTAG00000015981	2.64E-10	2.41E-10	ETV1	1.10E+00
ENSBTAG00000019486	1.06E-09	9.69E-10	CLDN12	1.09E+00
ENSBTAG00000018119	4.30E-10	3.91E-10	AOAH	1.10E+00
ENSBTAG00000047605	1.26E-09	1.15E-09		1.10E+00
ENSBTAG00000015773	5.10E-10	4.63E-10	LRGUK	1.10E+00
ENSBTAG00000012805	3.08E-10	2.79E-10	TSPAN13	1.10E+00
ENSBTAG00000019750	4.29E-10	3.89E-10	TMEM106B	1.10E+00
ENSBTAG00000013180	7.40E-10	6.69E-10	POT1	1.11E+00
ENSBTAG00000036154	1.11E-09	1.00E-09	TARP	1.11E+00
ENSBTAG00000040388	1.12E-09	1.01E-09		1.11E+00
ENSBTAG00000009655	2.73E-10	2.46E-10	TNS3	1.11E+00
ENSBTAG00000008736	3.22E-10	2.91E-10		1.11E+00
ENSBTAG00000032844	1.39E-10	1.25E-10	GPR85	1.11E+00
ENSBTAG00000024157	3.18E-10	2.84E-10	WDR60	1.12E+00
ENSBTAG00000009850	1.09E-09	9.75E-10		1.12E+00
ENSBTAG000000047725	1.17E-09	1.05E-09		1.12E+00
ENSBTAG00000010390	1.65E-10	1.48E-10	SRI	1.12E+00
ENSBTAG00000047844	1.38E-09	1.24E-09		1.12E+00
ENSBTAG00000021905	4.65E-10	4.13E-10	DGKB	1.13E+00
ENSBTAG00000006138	3.32E-10	2.95E-10	SEMA3C	1.12E+00
ENSBTAG00000024245	3.61E-10	3.21E-10		1.12E+00
ENSBTAG00000014112	3.93E-10	3.49E-10	EXOC4	1.13E+00
ENSBTAG00000037649	2.77E-10	2.45E-10	VIPR2	1.13E+00
ENSBTAG00000024219	6.16E-10	5.43E-10	TRPV6	1.13E+00
ENSBTAG00000013472	1.94E-10	1.72E-10	COL1A2	1.13E+00
ENSBTAG00000012031	4.48E-10	3.95E-10	ATG9B	1.13E+00
ENSBTAG00000027134	4.46E-10	3.91E-10	DYNC111	1.14E+00
ENSBTAG00000009341	4.38E-10	3.84E-10	CCDC146	1.14E+00
ENSBTAG00000005499	4.20E-10	3.68E-10	ZPBP	1.14E+00
ENSBTAG00000017664	2.58E-10	2.26E-10	HGF	1.14E+00
ENSBTAG00000003102	6.30E-10	5.48E-10	GCC1	1.15E+00
ENSBTAG00000014273	2.42E-10	2.11E-10	NRF1	1.15E+00
ENSBTAG0000001658	1.76E-10	1.53E-10	AKR1D1	1.15E+00
ENSBTAG00000033169	6.92E-10	6.00E-10	LAMB4	1.15E+00
ENSBTAG00000024426	4.08E-10	3.53E-10	PPP1R9A	1.16E+00
ENSBTAG00000014533	2.97E-10	2.56E-10	KEL	1.16E+00
ENSBTAG00000000771	2.92E-10	2.51E-10		1.16E+00
ENSBTAG00000013648	5.08E-10	4.38E-10	POU6F2	1.16E+00
ENSBTAG00000007146	2.93E-10	2.53E-10	CPVL	1.16E+00
ENSBTAG00000045617	5.14E-10	4.42E-10	MTERF1	1.16E+00
ENSBTAG00000038235	4.53E-10	3.89E-10	NOD1	1.16E+00
ENSBTAG00000046152	1.35E-09	1.16E-09	MGAM	1.17E+00
ENSBTAG00000015547	4.53E-10	3.88E-10	SLC26A3	1.17E+00
ENSBTAG00000038795	2.05E-10	1.75E-10	STARD3NL	1.17E+00
ENSBTAG00000020445	3.47E-10	2.94E-10	ZNF398	1.18E+00
ENSBTAG00000015073	4.97E-10	4.20E-10	ISPD	1.18E+00
ENSBTAG00000031548	9.61E-10	8.08E-10		1.19E+00
ENSBTAG00000014543	5.15E-10	4.33E-10	PLXNA4	1.19E+00
ENSBTAG00000005483	2.84E-10	2.39E-10	ESYT2	1.19E+00
ENSBTAG00000012003	1.99E-10	1.67E-10		1.19E+00
ENSBTAG00000014795	2.79E-10	2.34E-10		1.19E+00
ENSBTAG00000012211	9.21E-11	7.73E-11	HOXA5	1.19E+00
ENSBTAG00000031232	4.85E-10	4.07E-10		1.19E+00
ENSBTAG00000016485	7.44E-10	6.24E-10	OPN1SW	1.19E+00
ENSBTAG00000007759	6.11E-10	5.12E-10	ABCB8	1.19E+00
ENSBTAG00000024204	8.80E-10	7.37E-10		1.19E+00
ENSBTAG00000014871	1.61E-10	1.35E-10	CCT8L2	1.19E+00
ENSBTAG00000031059	3.82E-10	3.20E-10	LRRC61	1.19E+00
ENSBTAG00000010452	1.15E-09	9.65E-10	PODXL	1.19E+00
ENSBTAG00000015654	5.19E-10	4.30E-10	PON1	1.21E+00
ENSBTAG00000016752	3.98E-10	3.28E-10	ASB10	1.21E+00

ENSBTAG00000018363	4.86E-10	3.96E-10	RBM48	1.23E+00
ENSBTAG00000004989	5.75E-10	4.68E-10	IRF5	1.23E+00
ENSBTAG00000003490	3.97E-10	3.22E-10	ELMO1	1.23E+00
ENSBTAG00000006589	4.32E-10	3.50E-10	CFTR	1.24E+00
ENSBTAG00000014262	2.19E-10	1.77E-10	BZW2	1.24E+00
ENSBTAG00000007413	9.10E-11	7.36E-11	CEP41	1.24E+00
ENSBTAG00000000607	6.50E-10	5.21E-10	ABCF2	1.25E+00
ENSBTAG00000000260	2.02E-10	1.62E-10	ZNRF2	1.25E+00
ENSBTAG00000030940	2.91E-10	2.32E-10		1.25E+00
ENSBTAG00000014402	1.25E-09	9.94E-10	GIMAP8	1.25E+00
ENSBTAG00000015366	1.47E-10	1.17E-10	SFRP4	1.26E+00
ENSBTAG00000004992	2.49E-10	1.97E-10	TNPO3	1.26E+00
ENSBTAG00000038649	1.30E-09	1.03E-09		1.26E+00
ENSBTAG00000005419	4.59E-10	3.63E-10	AOC1	1.26E+00
ENSBTAG00000008306	2.26E-10	1.78E-10	MKRN1	1.27E+00
ENSBTAG00000008542	4.94E-10	3.89E-10	SSPO	1.27E+00
ENSBTAG00000005548	8.67E-10	6.82E-10	HYAL4	1.27E+00
ENSBTAG00000024231	1.40E-09	1.10E-09		1.28E+00
ENSBTAG00000001500	3.20E-10	2.52E-10	FIGN1	1.27E+00
ENSBTAG00000011819	2.28E-10	1.79E-10	PHF14	1.27E+00
ENSBTAG00000018159	3.63E-10	2.84E-10	CASP2	1.28E+00
ENSBTAG00000008533	1.57E-10	1.23E-10	GLCC1	1.28E+00
ENSBTAG00000001571	5.36E-10	4.17E-10	LRRD1	1.28E+00
ENSBTAG00000007206	5.20E-10	4.04E-10	STRIP2	1.29E+00
ENSBTAG000000015137	1.14E-09	8.79E-10	OR9A4	1.29E+00
ENSBTAG00000009182	5.64E-10	4.35E-10	CLCN1	1.30E+00
ENSBTAG00000021565	6.76E-10	5.21E-10		1.30E+00
ENSBTAG00000016131	2.54E-10	1.95E-10	NCAPG2	1.30E+00
ENSBTAG00000002938	5.53E-10	4.25E-10	CPED1	1.30E+00
ENSBTAG00000007766	4.39E-10	3.36E-10	CDK5	1.31E+00
ENSBTAG00000000990	1.77E-10	1.36E-10		1.30E+00
ENSBTAG00000010980	1.53E-10	1.17E-10	ANKMY2	1.31E+00
ENSBTAG00000017505	7.65E-10	5.83E-10	PAXIP1	1.31E+00
ENSBTAG00000010219	4.10E-10	3.12E-10	KRBA1	1.31E+00
ENSBTAG00000004540	4.38E-10	3.33E-10	NUB1	1.32E+00
ENSBTAG00000003222	2.36E-10	1.79E-10	ASNS	1.32E+00
ENSBTAG00000006528	3.32E-10	2.52E-10	BBS9	1.32E+00
ENSBTAG00000002604	1.71E-10	1.30E-10	SP8	1.32E+00
ENSBTAG00000004263	2.11E-10	1.59E-10	ATP6V0A4	1.32E+00
ENSBTAG00000006876	6.28E-10	4.75E-10	PMPCB	1.32E+00
ENSBTAG00000019065	6.15E-10	4.65E-10	EEPD1	1.32E+00
ENSBTAG00000001892	2.92E-10	2.20E-10	YAE1D1	1.33E+00
ENSBTAG00000021458	8.06E-11	6.09E-11	DLX6	1.32E+00
ENSBTAG00000020335	6.89E-10	5.20E-10	RNF32	1.32E+00
ENSBTAG00000013248	1.33E-09	9.99E-10		1.33E+00
ENSBTAG00000032049	9.11E-10	6.86E-10	TAS2R16	1.33E+00
ENSBTAG00000035660	1.00E-09	7.57E-10	RPL36AL	1.33E+00
ENSBTAG00000017086	5.75E-10	4.32E-10	GRB10	1.33E+00
ENSBTAG00000024723	2.46E-10	1.85E-10	CHCHD3	1.33E+00
ENSBTAG00000031234	1.60E-09	1.20E-09		1.33E+00
ENSBTAG00000002554	6.81E-10	5.10E-10	TCAF1	1.34E+00
ENSBTAG00000001912	2.43E-10	1.82E-10	TRPV5	1.34E+00
ENSBTAG00000011228	4.93E-10	3.68E-10	FASTK	1.34E+00
ENSBTAG00000000274	2.31E-10	1.72E-10	YKT6	1.34E+00
ENSBTAG000000017350	4.45E-10	3.29E-10	PCLO	1.35E+00
ENSBTAG00000008641	7.74E-10	5.71E-10	GNAT3	1.36E+00
ENSBTAG00000008550	1.76E-09	1.30E-09		1.35E+00
ENSBTAG00000007976	3.23E-10	2.37E-10	FAM3C	1.36E+00
ENSBTAG00000016332	3.02E-10	2.22E-10	ING3	1.36E+00
ENSBTAG00000016975	1.66E-10	1.22E-10	H2AFZ	1.36E+00
ENSBTAG00000021849	2.14E-10	1.57E-10	DUS4L	1.36E+00
ENSBTAG00000032598	1.31E-10	9.57E-11	RP9	1.37E+00
ENSBTAG00000015353	3.20E-10	2.32E-10	NME8	1.38E+00
ENSBTAG00000031967	5.46E-10	3.95E-10	AMPH	1.38E+00
ENSBTAG00000017770	2.20E-10	1.59E-10		1.38E+00
ENSBTAG00000008302	6.62E-10	4.77E-10	RINT1	1.39E+00
ENSBTAG00000005526	2.78E-10	2.01E-10	COG5	1.39E+00
ENSBTAG00000047072	1.23E-09	8.83E-10		1.40E+00
ENSBTAG00000039005	3.82E-10	2.75E-10	OR2A2	1.39E+00
ENSBTAG00000024361	4.14E-10	2.98E-10		1.39E+00

ENSBTAG00000016481	2.94E-10	2.11E-10	CALU	1.39E+00
ENSBTAG00000009002	8.62E-10	6.18E-10		1.39E+00
ENSBTAG00000002011	5.37E-10	3.84E-10	KIAA0895	1.40E+00
ENSBTAG00000005726	2.09E-10	1.49E-10	HNRNPA2B1	1.40E+00
ENSBTAG00000009520	7.72E-10	5.50E-10	ADCY1	1.40E+00
ENSBTAG00000003658	4.67E-10	3.32E-10	RELN	1.41E+00
ENSBTAG00000009254	7.51E-10	5.34E-10	CCDC129	1.41E+00
ENSBTAG00000001527	3.03E-10	2.16E-10	TMEM213	1.40E+00
ENSBTAG000000014228	5.13E-10	3.64E-10	TFEC	1.41E+00
ENSBTAG00000002859	1.55E-09	1.10E-09		1.41E+00
ENSBTAG000000017860	4.21E-10	2.98E-10	HIPK2	1.41E+00
ENSBTAG000000017001	4.27E-10	3.00E-10	RBM28	1.42E+00
ENSBTAG00000003633	3.36E-10	2.35E-10		1.43E+00
ENSBTAG00000003238	3.92E-10	2.74E-10	MEOX2	1.43E+00
ENSBTAG000000005110	2.53E-10	1.77E-10	CADPS2	1.43E+00
ENSBTAG000000046308	2.33E-10	1.62E-10		1.44E+00
ENSBTAG000000046341	7.53E-10	5.24E-10		1.44E+00
ENSBTAG000000021617	3.72E-10	2.58E-10	ZC3HAV1	1.44E+00
ENSBTAG000000010243	5.39E-10	3.69E-10	RBM33	1.46E+00
ENSBTAG000000016373	1.23E-10	8.38E-11	TTC26	1.46E+00
ENSBTAG000000034091	1.46E-10	9.97E-11	LRRC72	1.46E+00
ENSBTAG000000015925	4.39E-10	2.98E-10	SDHAF3	1.47E+00
ENSBTAG00000004398	5.37E-10	3.62E-10	IMMP2L	1.48E+00
ENSBTAG00000003784	5.87E-10	3.94E-10	DNAJC2	1.49E+00
ENSBTAG000000016324	6.51E-10	4.38E-10	FBXL13	1.49E+00
ENSBTAG000000005524	2.05E-10	1.38E-10	HBP1	1.49E+00
ENSBTAG000000017905	3.95E-10	2.65E-10	WDR91	1.49E+00
ENSBTAG000000014920	5.10E-10	3.41E-10	SEMA3E	1.50E+00
ENSBTAG000000044023	5.74E-10	3.83E-10	CDK6	1.50E+00
ENSBTAG000000024394	3.42E-10	2.28E-10	SEMA3D	1.50E+00
ENSBTAG000000011412	7.33E-10	4.88E-10	LAMB1	1.50E+00
ENSBTAG000000013414	2.22E-10	1.48E-10	BLVRA	1.50E+00
ENSBTAG000000015510	3.80E-10	2.52E-10	EPHB6	1.51E+00
ENSBTAG000000032121	3.74E-10	2.47E-10	SUGCT	1.52E+00
ENSBTAG000000020183	7.06E-11	4.66E-11	TSGA13	1.51E+00
ENSBTAG000000045535	6.17E-10	4.06E-10	GALNTL5	1.52E+00
ENSBTAG000000023806	5.45E-10	3.58E-10		1.52E+00
ENSBTAG000000010866	3.08E-10	2.02E-10	BMPER	1.52E+00
ENSBTAG000000038854	2.23E-10	1.46E-10	CLEC2L	1.53E+00
ENSBTAG000000008139	6.75E-11	4.41E-11	HOXA3	1.53E+00
ENSBTAG000000010756	2.12E-10	1.38E-10	ST7	1.53E+00
ENSBTAG000000008097	2.60E-10	1.69E-10	WNT2	1.54E+00
ENSBTAG000000007608	1.24E-10	8.08E-11	BMT2	1.53E+00
ENSBTAG000000046616	4.06E-10	2.63E-10		1.54E+00
ENSBTAG000000014250	2.50E-10	1.62E-10	ZC3HAV1L	1.54E+00
ENSBTAG000000009296	6.45E-10	4.18E-10	SLC26A5	1.54E+00
ENSBTAG000000012261	2.18E-10	1.41E-10	RAB19	1.55E+00
ENSBTAG000000014161	7.69E-10	4.97E-10	ARMC10	1.55E+00
ENSBTAG000000017970	3.38E-10	2.19E-10	ZYX	1.54E+00
ENSBTAG000000002157	3.72E-10	2.40E-10	LMOD2	1.55E+00
ENSBTAG000000047919	5.35E-10	3.40E-10		1.57E+00
ENSBTAG000000017458	5.87E-10	3.73E-10	CALCR	1.57E+00
ENSBTAG000000006732	3.58E-10	2.27E-10	NRCAM	1.58E+00
ENSBTAG000000014735	9.85E-11	6.20E-11	HOXA13	1.59E+00
ENSBTAG000000024341	2.31E-10	1.45E-10	HOXA6	1.59E+00
ENSBTAG000000048012	2.65E-10	1.67E-10		1.59E+00
ENSBTAG000000046917	7.45E-11	4.69E-11	GPR22	1.59E+00
ENSBTAG000000047188	3.44E-10	2.17E-10		1.59E+00
ENSBTAG000000012239	3.63E-10	2.29E-10	SLC37A3	1.59E+00
ENSBTAG000000039559	2.82E-10	1.77E-10		1.59E+00
ENSBTAG000000048186	4.66E-10	2.93E-10		1.59E+00
ENSBTAG000000039928	5.07E-10	3.19E-10		1.59E+00
ENSBTAG000000002066	1.57E-10	9.86E-11	MYL7	1.59E+00
ENSBTAG000000040040	1.19E-10	7.51E-11	TAS2R40	1.59E+00
ENSBTAG000000012081	8.43E-10	5.29E-10		1.59E+00
ENSBTAG000000038605	7.65E-10	4.81E-10		1.59E+00
ENSBTAG000000047562	1.18E-09	7.37E-10		1.60E+00
ENSBTAG000000021282	1.56E-10	9.70E-11	SGCE	1.61E+00
ENSBTAG000000003621	5.17E-10	3.18E-10		1.63E+00
ENSBTAG000000033197	2.04E-10	1.26E-10	EPDR1	1.62E+00

ENSBTAG00000001976	7.79E-10	4.79E-10	PPP1R17	1.63E+00
ENSBTAG000000013732	1.58E-10	9.68E-11	GPR37	1.63E+00
ENSBTAG000000027204	8.56E-10	5.24E-10		1.63E+00
ENSBTAG000000010671	3.17E-10	1.94E-10	GLI3	1.63E+00
ENSBTAG000000014021	2.73E-10	1.67E-10	UBN2	1.63E+00
ENSBTAG000000003114	2.21E-10	1.35E-10	AVL9	1.64E+00
ENSBTAG000000019265	2.65E-10	1.61E-10	AGK	1.64E+00
ENSBTAG000000005650	2.28E-10	1.38E-10	SKAP2	1.65E+00
ENSBTAG000000014016	2.06E-10	1.24E-10	IKZF1	1.66E+00
ENSBTAG000000017919	3.98E-10	2.38E-10	CNOT4	1.67E+00
ENSBTAG000000005997	1.23E-09	7.36E-10		1.67E+00
ENSBTAG000000004023	7.48E-10	4.47E-10	KIAA1324L	1.67E+00
ENSBTAG000000002317	2.53E-10	1.51E-10	PTN	1.68E+00
ENSBTAG000000046491	2.20E-09	1.31E-09		1.68E+00
ENSBTAG000000034609	8.70E-10	5.14E-10		1.69E+00
ENSBTAG000000008155	1.14E-09	6.74E-10	SUN3	1.69E+00
ENSBTAG000000019406	4.20E-10	2.47E-10	IGF2BP3	1.70E+00
ENSBTAG000000002891	6.24E-10	3.65E-10	HTR5A	1.71E+00
ENSBTAG000000014389	3.86E-10	2.24E-10	SP4	1.72E+00
ENSBTAG000000021204	1.85E-10	1.07E-10	TES	1.73E+00
ENSBTAG000000031236	3.96E-10	2.29E-10		1.73E+00
ENSBTAG000000003506	1.50E-10	8.60E-11	STEAP2	1.74E+00
ENSBTAG000000024379	7.95E-10	4.57E-10	LRRC17	1.74E+00
ENSBTAG000000014768	5.47E-10	3.14E-10	ZNF786	1.74E+00
ENSBTAG000000038093	1.92E-10	1.10E-10	PEG10	1.74E+00
ENSBTAG000000019020	2.55E-10	1.45E-10	TAX1BP1	1.76E+00
ENSBTAG000000014371	3.81E-10	2.16E-10	CHPF2	1.77E+00
ENSBTAG000000003625	3.97E-10	2.24E-10	VSTM2A	1.77E+00
ENSBTAG000000016223	4.61E-10	2.60E-10	SCRN1	1.77E+00
ENSBTAG000000003531	8.89E-10	5.01E-10	ABCA13	1.77E+00
ENSBTAG000000018989	8.60E-10	4.83E-10	GRM3	1.78E+00
ENSBTAG000000016010	4.82E-10	2.71E-10	KLHL7	1.78E+00
ENSBTAG000000012649	6.17E-10	3.46E-10	LSM8	1.78E+00
ENSBTAG000000000715	9.60E-10	5.36E-10		1.79E+00
ENSBTAG000000037918	7.93E-10	4.42E-10		1.79E+00
ENSBTAG000000020848	3.13E-10	1.74E-10	PIK3CG	1.80E+00
ENSBTAG000000012653	3.52E-10	1.95E-10	CAMK2B	1.81E+00
ENSBTAG000000004072	4.02E-10	2.22E-10	CAPZA2	1.81E+00
ENSBTAG000000030817	3.04E-10	1.67E-10	LMBR1	1.82E+00
ENSBTAG000000004894	1.60E-09	8.75E-10		1.83E+00
ENSBTAG000000031265	4.85E-10	2.66E-10	SVOPL	1.82E+00
ENSBTAG000000009109	1.86E-10	1.00E-10	CASD1	1.86E+00
ENSBTAG000000010609	1.91E-10	1.02E-10	STK31	1.87E+00
ENSBTAG000000040082	1.52E-10	8.22E-11	HOXA10	1.85E+00
ENSBTAG000000017143	3.88E-10	2.07E-10	PDIA4	1.87E+00
ENSBTAG000000000820	5.08E-10	2.68E-10		1.89E+00
ENSBTAG000000013050	3.87E-10	2.03E-10	ZNF277	1.91E+00
ENSBTAG000000046793	1.20E-09	6.26E-10		1.92E+00
ENSBTAG000000014911	7.13E-10	3.70E-10	LEP	1.93E+00
ENSBTAG000000002151	2.05E-10	1.07E-10	ASB15	1.92E+00
ENSBTAG000000006232	1.06E-09	5.50E-10	WDR86	1.93E+00
ENSBTAG000000008428	4.93E-10	2.54E-10	UPP1	1.94E+00
ENSBTAG000000013078	4.45E-10	2.29E-10	DNAH11	1.94E+00
ENSBTAG000000021365	3.50E-10	1.80E-10	CDHR3	1.95E+00
ENSBTAG000000004399	1.93E-10	9.70E-11	LRRN3	1.99E+00
ENSBTAG000000013263	2.73E-10	1.37E-10	HOXA1	1.99E+00
ENSBTAG000000018645	9.59E-11	4.83E-11	DLX5	1.98E+00
ENSBTAG000000000558	1.28E-10	6.46E-11	NEUROD6	1.98E+00
ENSBTAG000000016546	3.95E-10	1.99E-10	PARP12	1.98E+00
ENSBTAG000000014958	2.26E-10	1.14E-10	PRKAR2B	1.98E+00
ENSBTAG000000002917	5.13E-10	2.58E-10		1.99E+00
ENSBTAG000000009418	3.91E-10	1.97E-10	FAM131B	1.98E+00
ENSBTAG000000009472	1.54E-10	7.73E-11	C7orf25	1.99E+00
ENSBTAG000000020484	1.66E-10	8.37E-11	ADCK2	1.98E+00
ENSBTAG000000046164	8.38E-10	4.20E-10		2.00E+00
ENSBTAG000000020225	5.52E-10	2.71E-10	TBXAS1	2.04E+00
ENSBTAG000000021469	4.15E-10	2.03E-10	CTTNBP2	2.04E+00
ENSBTAG000000002175	3.57E-10	1.75E-10	SRPK2	2.04E+00
ENSBTAG000000045794	3.50E-10	1.71E-10	C7orf73	2.05E+00
ENSBTAG000000015666	1.15E-09	5.58E-10		2.05E+00

ENSBTAG00000047482	6.47E-10	3.14E-10	PRRT4	2.06E+00
ENSBTAG00000001754	4.15E-10	2.01E-10	AHCYL2	2.06E+00
ENSBTAG000000003495	2.40E-10	1.16E-10	KDM7A	2.07E+00
ENSBTAG000000006733	1.03E-10	4.94E-11	PPP1R3A	2.09E+00
ENSBTAG000000006359	3.77E-10	1.80E-10	EPHA1	2.10E+00
ENSBTAG000000003709	4.34E-10	2.05E-10	ITGB8	2.11E+00
ENSBTAG000000003994	3.45E-10	1.63E-10	IgFBp3	2.12E+00
ENSBTAG000000002595	6.41E-10	3.02E-10	ABCB5	2.12E+00
ENSBTAG000000012241	1.66E-10	7.85E-11	POLD2	2.12E+00
ENSBTAG000000046712	4.19E-10	1.96E-10	PSMC2	2.14E+00
ENSBTAG000000007136	3.64E-10	1.70E-10	ADAM22	2.14E+00
ENSBTAG000000014220	4.79E-10	2.23E-10		2.15E+00
ENSBTAG000000021535	5.13E-10	2.38E-10	CROT	2.15E+00
ENSBTAG000000002739	3.74E-10	1.73E-10	PDE1C	2.16E+00
ENSBTAG000000033359	6.32E-10	2.89E-10		2.19E+00
ENSBTAG000000013976	3.27E-10	1.49E-10	AGBL3	2.19E+00
ENSBTAG000000010692	5.62E-10	2.53E-10	SND1	2.22E+00
ENSBTAG000000012128	2.51E-10	1.12E-10	AASS	2.24E+00
ENSBTAG000000018133	5.59E-10	2.45E-10	SEMA3A	2.28E+00
ENSBTAG000000011127	3.39E-10	1.47E-10	NUP205	2.31E+00
ENSBTAG000000010437	4.25E-10	1.82E-10	MKLN1	2.33E+00
ENSBTAG000000016709	2.13E-10	9.12E-11	NT5C3A	2.34E+00
ENSBTAG000000015509	4.52E-10	1.93E-10	NAMPT	2.34E+00
ENSBTAG000000009207	3.01E-10	1.27E-10	KMT2E	2.37E+00
ENSBTAG000000033449	1.12E-09	4.73E-10	SLC25A40	2.36E+00
ENSBTAG000000003115	9.56E-11	4.01E-11	KBTBD2	2.38E+00
ENSBTAG000000009366	2.48E-10	1.04E-10	ARF5	2.38E+00
ENSBTAG000000046211	4.80E-10	2.01E-10		2.39E+00
ENSBTAG000000022498	4.69E-10	1.96E-10		2.39E+00
ENSBTAG000000018430	2.92E-10	1.23E-10	GSAP	2.37E+00
ENSBTAG000000046586	7.08E-10	2.96E-10		2.39E+00
ENSBTAG0000000038385	1.02E-09	4.24E-10		2.40E+00
ENSBTAG000000045978	9.93E-10	4.15E-10		2.39E+00
ENSBTAG000000015337	5.53E-10	2.29E-10	TSPAN12	2.41E+00
ENSBTAG000000021313	9.32E-10	3.84E-10	RUNDC3B	2.43E+00
ENSBTAG000000021543	2.92E-10	1.20E-10	MDFIC	2.43E+00
ENSBTAG000000019024	3.93E-10	1.60E-10	JAZF1	2.46E+00
ENSBTAG000000046430	5.22E-10	2.12E-10	ZNF804B	2.46E+00
ENSBTAG000000044068	5.84E-10	2.37E-10	VWC2	2.46E+00
ENSBTAG000000021182	3.45E-10	1.39E-10	DOCK4	2.48E+00
ENSBTAG000000002940	1.60E-10	6.41E-11	WNT16	2.49E+00
ENSBTAG000000018158	5.81E-10	2.30E-10	TMEM139	2.53E+00
ENSBTAG000000001182	2.11E-10	8.26E-11	07-Sep	2.55E+00
ENSBTAG000000000169	3.41E-10	1.33E-10	ASZ1	2.56E+00
ENSBTAG000000018348	3.43E-10	1.34E-10	CBLL1	2.55E+00
ENSBTAG000000010597	1.13E-10	4.37E-11		2.58E+00
ENSBTAG000000020704	1.29E-10	4.97E-11	RAMP3	2.60E+00
ENSBTAG000000020453	1.14E-09	4.31E-10	CLEC5A	2.63E+00
ENSBTAG000000010168	4.39E-10	1.66E-10		2.64E+00
ENSBTAG000000033954	7.34E-10	2.76E-10	PRPS1L1	2.66E+00
ENSBTAG000000032166	3.64E-10	1.36E-10	GTPBP10	2.68E+00
ENSBTAG000000040058	7.08E-10	2.62E-10	ORC5	2.70E+00
ENSBTAG000000012622	4.39E-10	1.61E-10	TRA2A	2.72E+00
ENSBTAG000000013953	3.78E-10	1.38E-10	CALD1	2.74E+00
ENSBTAG000000014069	4.02E-10	1.46E-10	PDK4	2.75E+00
ENSBTAG000000010612	2.07E-10	7.43E-11	TMED4	2.78E+00
ENSBTAG000000020919	1.70E-10	6.11E-11	EVX1	2.78E+00
ENSBTAG000000011229	2.37E-10	8.51E-11	TMUB1	2.78E+00
ENSBTAG000000003864	5.20E-10	1.86E-10	SLC13A4	2.79E+00
ENSBTAG000000001346	5.50E-10	1.97E-10	STRA8	2.79E+00
ENSBTAG000000002431	5.03E-10	1.80E-10	TRIM24	2.80E+00
ENSBTAG000000008090	2.23E-10	7.87E-11	CCM2	2.83E+00
ENSBTAG000000020869	6.46E-10	2.27E-10	DDC	2.85E+00
ENSBTAG000000003019	9.98E-10	3.50E-10	CRYGN	2.85E+00
ENSBTAG000000007796	1.82E-10	6.38E-11	POLM	2.86E+00
ENSBTAG000000015539	5.98E-10	2.08E-10	RAPGEF5	2.87E+00
ENSBTAG000000000719	8.04E-10	2.76E-10		2.91E+00
ENSBTAG000000015326	6.99E-10	2.40E-10	DFNA5	2.91E+00
ENSBTAG000000004658	9.34E-10	3.17E-10	WEE2	2.94E+00
ENSBTAG000000020569	3.79E-10	1.28E-10	CACNA2D1	2.96E+00

ENSBTAG00000031861	5.14E-10	1.72E-10	RHEB	2.99E+00
ENSBTAG00000024065	1.37E-09	4.55E-10	TAS2R38	3.01E+00
ENSBTAG00000002259	7.23E-10	2.39E-10		3.02E+00
ENSBTAG00000004503	3.57E-10	1.16E-10	NPY	3.08E+00
ENSBTAG00000009390	5.48E-10	1.78E-10	FAM188B	3.08E+00
ENSBTAG00000007870	4.50E-10	1.46E-10	FKBP14	3.08E+00
ENSBTAG00000002037	5.34E-10	1.72E-10	ATXN7L1	3.10E+00
ENSBTAG00000010704	4.86E-10	1.55E-10	LRRC4	3.13E+00
ENSBTAG00000000521	3.07E-10	9.77E-11	PLEKHA8	3.14E+00
ENSBTAG000000004976	5.06E-10	1.60E-10	CDCA7L	3.16E+00
ENSBTAG00000005103	1.43E-10	4.48E-11	FEZF1	3.18E+00
ENSBTAG00000009902	1.56E-10	4.91E-11		3.17E+00
ENSBTAG00000003664	3.48E-10	1.09E-10		3.19E+00
ENSBTAG00000004592	3.88E-10	1.22E-10		3.18E+00
ENSBTAG000000038241	1.95E-10	6.14E-11	REPIN1	3.18E+00
ENSBTAG000000047684	1.20E-09	3.75E-10		3.20E+00
ENSBTAG000000002869	6.42E-10	2.01E-10	ARL4A	3.19E+00
ENSBTAG000000034905	5.83E-10	1.81E-10		3.22E+00
ENSBTAG00000005653	3.74E-10	1.14E-10	ABCB4	3.28E+00
ENSBTAG00000006377	1.50E-10	4.54E-11	MYO1G	3.29E+00
ENSBTAG000000003810	3.99E-10	1.21E-10		3.29E+00
ENSBTAG000000013010	8.33E-10	2.52E-10	CCDC126	3.30E+00
ENSBTAG00000005285	4.37E-10	1.31E-10	MRPS33	3.33E+00
ENSBTAG000000047646	4.66E-10	1.38E-10		3.38E+00
ENSBTAG000000001528	1.85E-10	5.46E-11	CDK13	3.39E+00
ENSBTAG000000007253	1.94E-10	5.72E-11	TSPAN33	3.39E+00
ENSBTAG000000021761	2.16E-10	6.35E-11	BRAF	3.40E+00
ENSBTAG000000034936	4.07E-10	1.18E-10	ANKIB1	3.44E+00
ENSBTAG000000020878	3.19E-10	9.10E-11	DMTF1	3.50E+00
ENSBTAG000000001576	3.14E-10	8.78E-11	TMEM140	3.58E+00
ENSBTAG000000038283	4.88E-10	1.34E-10	TMEM243	3.64E+00
ENSBTAG000000013287	3.48E-10	9.34E-11	SMO	3.72E+00
ENSBTAG000000008093	4.84E-10	1.29E-10	NACAD	3.75E+00
ENSBTAG000000011002	3.96E-10	1.03E-10	CCDC136	3.84E+00
ENSBTAG000000035064	9.83E-10	2.52E-10	C7orf57	3.90E+00
ENSBTAG000000007743	5.94E-10	1.50E-10	PUS7	3.96E+00
ENSBTAG000000012237	1.25E-10	3.16E-11	AEBP1	3.96E+00
ENSBTAG000000011997	3.04E-10	7.65E-11	ZMIZ2	3.97E+00
ENSBTAG000000045677	1.69E-10	4.26E-11		3.97E+00
ENSBTAG0000000015303	4.39E-10	1.09E-10	MPP6	4.02E+00
ENSBTAG000000009867	5.48E-10	1.32E-10	FAM71F1	4.15E+00
ENSBTAG000000014711	7.13E-10	1.64E-10	DBF4	4.35E+00
ENSBTAG000000006029	1.49E-10	3.25E-11	OGDH	4.57E+00
ENSBTAG000000001773	4.61E-10	9.97E-11	C7orf49	4.62E+00
ENSBTAG000000009334	2.13E-10	4.57E-11	NDUFA5	4.64E+00
ENSBTAG000000000410	5.77E-10	1.21E-10	PAX4	4.76E+00
ENSBTAG000000010602	1.14E-10	2.20E-11	DDX56	5.15E+00
ENSBTAG000000002340	4.95E-10	9.40E-11	STEAP4	5.26E+00
ENSBTAG000000007442	6.60E-10	1.25E-10	AKAP9	5.28E+00
ENSBTAG000000009558	1.71E-09	3.19E-10	TRBV30	5.37E+00
ENSBTAG000000009786	7.07E-10	1.32E-10	SCIN	5.35E+00
ENSBTAG000000006253	2.44E-10	4.55E-11	FLNC	5.36E+00
ENSBTAG000000021216	6.22E-10	1.15E-10	HECW1	5.41E+00
ENSBTAG000000003449	4.02E-10	7.45E-11	KCP	5.39E+00
ENSBTAG000000004405	2.47E-10	4.56E-11	IQUB	5.41E+00
ENSBTAG000000002674	3.26E-10	5.86E-11	GNGT1	5.56E+00
ENSBTAG000000046334	3.27E-10	5.87E-11		5.57E+00
ENSBTAG000000021869	1.89E-10	3.39E-11	THAP5	5.55E+00
ENSBTAG000000009839	5.64E-10	1.01E-10	GSTK1	5.58E+00
ENSBTAG000000014171	6.10E-10	1.07E-10	NAPEPLD	5.69E+00
ENSBTAG000000015588	2.44E-10	4.09E-11	TMEM209	5.96E+00
ENSBTAG000000017793	9.78E-10	1.59E-10	KLRG2	6.15E+00
ENSBTAG000000020247	4.20E-10	6.67E-11	ADCYAP1R1	6.28E+00
ENSBTAG000000024387	7.02E-10	1.11E-10	PNPLA8	6.32E+00
ENSBTAG000000014921	1.50E-10	2.37E-11	IL6	6.33E+00
ENSBTAG000000002750	6.80E-10	1.06E-10	KRIT1	6.41E+00
ENSBTAG000000006661	7.09E-10	1.11E-10	RALA	6.38E+00
ENSBTAG000000040349	5.57E-10	8.65E-11		6.43E+00
ENSBTAG000000001992	6.36E-10	9.80E-11	CYP51A1	6.48E+00
ENSBTAG000000045578	7.35E-10	1.12E-10	AGR3	6.56E+00



ENSBTAG00000021759	2.48E-10	3.67E-11	NDUFB2	6.75E+00
ENSBTAG00000015356	8.41E-11	1.18E-11	TAC1	7.07E+00
ENSBTAG00000024291	3.95E-10	4.51E-11		8.74E+00
ENSBTAG00000009365	7.20E-10	7.62E-11	FSCN3	9.44E+00
ENSBTAG00000010504	2.73E-10	2.86E-11	TBRG4	9.51E+00
ENSBTAG00000014255	6.84E-10	5.86E-11	VP50	1.16E+01
ENSBTAG00000003751	9.24E-10	7.62E-11	MACC1	1.21E+01
ENSBTAG00000045645	6.77E-10	4.99E-11		1.35E+01
ENSBTAG00000015105	5.45E-10	4.01E-11	HERPUD2	1.36E+01
ENSBTAG00000010931	6.76E-10	4.81E-11	SSBP1	1.40E+01
ENSBTAG00000017869	6.13E-10	2.61E-11	CAV1	2.34E+01
ENSBTAG00000010549	4.37E-10	1.74E-11	IFRD1	2.50E+01
ENSBTAG00000045584	5.81E-10	1.97E-11	CAV2	2.93E+01
ENSBTAG00000000745	5.45E-10	1.45E-11		3.73E+01
ENSBTAG00000006325	3.10E-10	5.76E-12	NUDCD3	5.29E+01
ENSBTAG00000008143	7.78E-10	1.44E-11	STK17A	5.36E+01
ENSBTAG00000047599	7.67E-10	1.30E-11	GHRHR	5.86E+01
ENSBTAG00000027319	0	0		1.00E+00
ENSBTAG00000020550	1.26E-10	0	RPL7	1.27E+03
ENSBTAG00000006924	2.48E-10	0	NXPH1	2.48E+03
ENSBTAG00000005377	5.79E-11	0	SOSTDC1	5.80E+02
ENSBTAG00000046905	0	0		1.00E+00
ENSBTAG00000010555	5.58E-10	0	LSMEM1	5.58E+03
ENSBTAG00000014738	9.35E-11	0	HOXA11	9.36E+02
ENSBTAG00000001455	9.38E-11	0	HOXA7	9.39E+02
ENSBTAG00000046457	0	0		1.00E+00
ENSBTAG00000046768	8.59E-10	0	IGFBP1	8.59E+03
ENSBTAG00000044146	2.85E-10	0	NPC1L1	2.85E+03
ENSBTAG00000012968	5.54E-10	0	COA1	5.54E+03
ENSBTAG00000018715	0	0	MPLKIP	1.00E+00
ENSBTAG00000031863	4.38E-10	0		4.38E+03
ENSBTAG00000007572	5.21E-10	0		5.21E+03
ENSBTAG00000046660	1.63E-10	0		1.63E+03
ENSBTAG00000040281	0	0		1.00E+00
ENSBTAG00000046496	0	0		1.00E+00
ENSBTAG00000038943	1.60E-10	0		1.60E+03
ENSBTAG00000038307	0	0		1.00E+00
ENSBTAG00000048189	0	0		1.00E+00
ENSBTAG00000006655	5.89E-10	0		5.89E+03
ENSBTAG00000007983	1.73E-10	0		1.74E+03
ENSBTAG00000048169	2.09E-10	0		2.09E+03
ENSBTAG00000020685	1.39E-10	0		1.39E+03
ENSBTAG00000038527	2.71E-10	0		2.71E+03
ENSBTAG00000046922	0	0	TWIST1	1.00E+00
ENSBTAG00000039955	0	0	FERD3L	1.00E+00
ENSBTAG00000033806	5.51E-10	0		5.51E+03
ENSBTAG00000011476	5.22E-11	0		5.23E+02
ENSBTAG00000032393	3.24E-10	0	C7orf62	3.25E+03
ENSBTAG00000047435	3.14E-10	0		3.15E+03
ENSBTAG00000046625	8.95E-11	0	PURB	8.96E+02
ENSBTAG00000047845	0	0		1.00E+00
ENSBTAG00000038448	0	0		1.00E+00
ENSBTAG00000016880	8.67E-10	0	TAS2R3	8.68E+03
ENSBTAG00000018440	6.47E-10	0	TAS2R4	6.47E+03
ENSBTAG00000047873	0	0		1.00E+00
ENSBTAG00000045871	0	0		1.00E+00
ENSBTAG00000006879	0	4.17E-11	HOXC11	2.39E-03
ENSBTAG00000012503	0	6.40E-11	MGAT3	1.56E-03
ENSBTAG00000006313	0	1.07E-10	OR6C76	9.34E-04
ENSBTAG00000011153	9.82E-11	6.02E-10	MGAT4C	1.63E-01
ENSBTAG00000017462	3.91E-11	1.97E-10	ATF4	1.99E-01
ENSBTAG00000026467	5.17E-11	2.61E-10		1.98E-01
ENSBTAG00000014237	1.84E-10	7.37E-10	CYTH4	2.49E-01
ENSBTAG00000019777	3.65E-11	1.38E-10	CDCA3	2.65E-01
ENSBTAG00000009887	1.30E-10	4.15E-10	DDX17	3.14E-01
ENSBTAG00000005936	1.90E-10	5.85E-10	DMC1	3.24E-01
ENSBTAG00000030423	1.42E-10	3.93E-10	CLEC1B	3.62E-01
ENSBTAG00000012267	1.73E-10	4.50E-10	ZFC3H1	3.84E-01
ENSBTAG00000003505	3.34E-10	8.52E-10	DCN	3.92E-01
ENSBTAG00000016904	2.61E-11	6.57E-11	09-Mar	3.98E-01

ENSBTAG00000004654	4.06E-10	1.02E-09	PWP1	3.98E-01
ENSBTAG00000017463	2.26E-10	5.42E-10	RPS19BP1	4.17E-01
ENSBTAG00000047347	2.32E-11	5.26E-11		4.42E-01
ENSBTAG00000030255	1.14E-10	2.51E-10	PDXP	4.53E-01
ENSBTAG00000031097	3.50E-10	7.73E-10		4.53E-01
ENSBTAG00000014683	5.95E-11	1.31E-10	APOBEC1	4.54E-01
ENSBTAG00000001745	1.14E-10	2.43E-10	LUM	4.67E-01
ENSBTAG00000009913	3.62E-10	7.78E-10	UPK3A	4.65E-01
ENSBTAG00000024691	2.63E-10	5.53E-10	OR6C1	4.76E-01
ENSBTAG00000006635	1.26E-10	2.53E-10	DBX2	4.97E-01
ENSBTAG00000007259	2.32E-10	4.60E-10	ELFN2	5.04E-01
ENSBTAG00000037799	5.67E-10	1.09E-09		5.20E-01
ENSBTAG00000014609	1.24E-10	2.36E-10	PPP1R12A	5.25E-01
ENSBTAG00000039756	1.72E-10	3.26E-10	OR10A7	5.29E-01
ENSBTAG00000002673	7.53E-11	1.42E-10	FIGNL2	5.31E-01
ENSBTAG00000048162	3.06E-11	5.78E-11		5.30E-01
ENSBTAG00000018849	7.56E-11	1.43E-10	AICDA	5.29E-01
ENSBTAG00000047890	1.75E-10	3.31E-10		5.29E-01
ENSBTAG00000040065	1.85E-11	3.49E-11		5.30E-01
ENSBTAG00000002651	2.03E-10	3.61E-10	PKP2	5.63E-01
ENSBTAG00000048271	1.54E-10	2.74E-10	MICAL3	5.62E-01
ENSBTAG00000005859	2.03E-10	3.58E-10	LALBA	5.66E-01
ENSBTAG00000046519	3.50E-11	6.06E-11		5.77E-01
ENSBTAG00000001673	2.12E-10	3.65E-10	C2CD5	5.80E-01
ENSBTAG000000045610	3.51E-10	5.99E-10	CACNA1I	5.85E-01
ENSBTAG00000002227	1.75E-10	2.98E-10	LRIG3	5.88E-01
ENSBTAG00000034985	1.24E-10	2.09E-10		5.94E-01
ENSBTAG00000031096	2.62E-10	4.41E-10		5.94E-01
ENSBTAG00000001517	6.73E-11	1.13E-10	KRT18	5.96E-01
ENSBTAG00000030632	9.19E-11	1.49E-10	ALG10	6.17E-01
ENSBTAG00000025837	1.20E-10	1.93E-10	RFX4	6.20E-01
ENSBTAG00000003221	6.21E-11	9.97E-11	ATF7IP	6.24E-01
ENSBTAG00000009886	3.30E-10	5.27E-10	KDELR3	6.27E-01
ENSBTAG00000026972	1.01E-10	1.60E-10	MYF5	6.33E-01
ENSBTAG00000016345	4.91E-10	7.66E-10	IL2RB	6.42E-01
ENSBTAG00000009537	5.15E-10	7.90E-10	CLEC9A	6.52E-01
ENSBTAG00000020916	7.94E-11	1.20E-10		6.62E-01
ENSBTAG00000047048	2.71E-10	4.10E-10		6.61E-01
ENSBTAG00000010763	1.73E-10	2.60E-10	DUSP16	6.67E-01
ENSBTAG000000006160	1.15E-10	1.69E-10	SUOX	6.81E-01
ENSBTAG00000013256	3.64E-10	5.32E-10	LGR5	6.83E-01
ENSBTAG00000006883	1.56E-10	2.26E-10	EIF4B	6.89E-01
ENSBTAG00000015268	1.31E-10	1.90E-10	PICK1	6.90E-01
ENSBTAG00000016589	8.34E-11	1.20E-10	PRPF40B	6.95E-01
ENSBTAG00000014238	1.38E-10	1.97E-10	ATP6V1E1	7.01E-01
ENSBTAG00000018743	1.57E-10	2.19E-10	C12orf29	7.18E-01
ENSBTAG00000010171	2.15E-10	3.00E-10	JOSD1	7.16E-01
ENSBTAG000000008541	6.66E-10	9.24E-10	MGST1	7.21E-01
ENSBTAG00000001553	1.82E-10	2.52E-10	HNRNPA1	7.21E-01
ENSBTAG00000015407	1.10E-09	1.52E-09	IL22	7.23E-01
ENSBTAG00000004832	3.00E-10	4.01E-10	KIF21A	7.49E-01
ENSBTAG00000012370	4.18E-10	5.56E-10		7.51E-01
ENSBTAG000000002135	2.19E-10	2.91E-10	CD69	7.54E-01
ENSBTAG00000000014	1.68E-10	2.22E-10	TXN2	7.58E-01
ENSBTAG000000006039	2.21E-10	2.90E-10	ARHGDI1B	7.63E-01
ENSBTAG00000010324	1.87E-10	2.45E-10	GTPBP1	7.63E-01
ENSBTAG00000013541	2.06E-10	2.69E-10	LMO3	7.66E-01
ENSBTAG00000001341	2.09E-10	2.72E-10	WNT5B	7.70E-01
ENSBTAG00000000818	4.90E-10	6.35E-10	PLEKHG7	7.71E-01
ENSBTAG00000026666	6.88E-10	8.86E-10		7.77E-01
ENSBTAG00000019608	7.90E-10	1.01E-09	DDX47	7.82E-01
ENSBTAG00000019738	3.88E-10	4.96E-10	MDM1	7.82E-01
ENSBTAG000000011758	1.49E-10	1.88E-10		7.93E-01
ENSBTAG00000008352	1.66E-10	2.09E-10	ART4	7.94E-01
ENSBTAG00000013207	1.51E-10	1.90E-10	CAPZA3	7.94E-01
ENSBTAG00000048224	2.62E-10	3.30E-10		7.94E-01
ENSBTAG00000038290	3.51E-10	4.42E-10		7.94E-01
ENSBTAG00000031099	3.50E-10	4.41E-10		7.93E-01
ENSBTAG00000046392	3.97E-10	5.00E-10		7.94E-01
ENSBTAG00000024477	3.83E-10	4.82E-10		7.94E-01

ENSBTAG0000000924	5.14E-11	6.48E-11	HOXC12	7.94E-01
ENSBTAG00000039435	1.95E-10	2.45E-10	LEMD3	7.94E-01
ENSBTAG00000032429	6.91E-10	8.70E-10	OR10AD1	7.94E-01
ENSBTAG00000026249	2.29E-10	2.88E-10		7.94E-01
ENSBTAG00000030468	8.81E-11	1.11E-10		7.94E-01
ENSBTAG00000014987	1.94E-10	2.45E-10		7.94E-01
ENSBTAG00000037791	2.58E-10	3.25E-10		7.93E-01
ENSBTAG00000046721	1.44E-10	1.82E-10		7.93E-01
ENSBTAG00000046402	3.24E-10	4.08E-10	ASCL4	7.94E-01
ENSBTAG00000005107	1.01E-10	1.28E-10		7.93E-01
ENSBTAG00000038384	1.70E-10	2.14E-10	KRT5	7.94E-01
ENSBTAG00000013759	2.02E-10	2.54E-10	TSPAN9	7.95E-01
ENSBTAG00000017781	8.96E-11	1.13E-10	BCDIN3D	7.93E-01
ENSBTAG00000047967	4.35E-10	5.48E-10		7.93E-01
ENSBTAG00000033884	8.46E-10	1.07E-09	TMA7	7.91E-01
ENSBTAG00000006557	4.75E-11	5.99E-11	RHEBL1	7.94E-01
ENSBTAG00000030652	1.88E-10	2.37E-10	TEX33	7.93E-01
ENSBTAG00000006599	1.57E-10	1.98E-10	INHBE	7.93E-01
ENSBTAG00000048295	1.75E-10	2.21E-10		7.93E-01
ENSBTAG00000026624	8.32E-11	1.05E-10	ETFRF1	7.92E-01
ENSBTAG00000009238	5.17E-11	6.51E-11	HOXC6	7.94E-01
ENSBTAG00000008020	3.01E-10	3.79E-10		7.95E-01
ENSBTAG00000026813	2.11E-11	2.66E-11	AQP5	7.96E-01
ENSBTAG00000039524	8.75E-10	1.10E-09		7.95E-01
ENSBTAG00000012529	2.04E-10	2.57E-10	IFNG	7.94E-01
ENSBTAG00000045922	8.48E-11	1.07E-10		7.93E-01
ENSBTAG00000033531	6.66E-11	8.39E-11		7.94E-01
ENSBTAG00000021974	6.73E-11	8.47E-11	SMUG1	7.94E-01
ENSBTAG00000018451	1.31E-10	1.65E-10	PTMS	7.96E-01
ENSBTAG00000037629	4.33E-10	5.46E-10		7.94E-01
ENSBTAG00000023471	2.08E-10	2.62E-10	RPL36	7.94E-01
ENSBTAG00000000923	3.84E-11	4.84E-11	HOXC13	7.94E-01
ENSBTAG00000026497	2.97E-10	3.74E-10	A4GALT	7.93E-01
ENSBTAG00000040344	1.52E-09	1.92E-09		7.94E-01
ENSBTAG00000038351	1.22E-10	1.53E-10		7.95E-01
ENSBTAG00000000454	2.40E-10	3.02E-10	TMEM106C	7.94E-01
ENSBTAG00000031503	1.78E-10	2.24E-10	NDUFA4L2	7.95E-01
ENSBTAG00000039041	1.22E-09	1.52E-09		8.00E-01
ENSBTAG00000019828	6.12E-10	7.62E-10	TAB1	8.03E-01
ENSBTAG00000005833	1.11E-10	1.38E-10	ETNK1	8.07E-01
ENSBTAG00000002127	3.30E-10	4.08E-10	TCP11L2	8.09E-01
ENSBTAG00000012272	6.91E-10	8.53E-10	TMEM19	8.10E-01
ENSBTAG00000009064	5.59E-10	6.89E-10	CSF2RB	8.11E-01
ENSBTAG00000009663	4.99E-10	6.12E-10	YBX3	8.15E-01
ENSBTAG00000017439	1.92E-10	2.34E-10	MIEF1	8.19E-01
ENSBTAG00000013202	7.80E-10	9.55E-10	PLCZ1	8.17E-01
ENSBTAG00000016165	6.16E-10	7.53E-10	KRT7	8.18E-01
ENSBTAG00000020715	4.92E-10	6.03E-10	PIK3C2G	8.16E-01
ENSBTAG00000012828	6.13E-10	7.50E-10	TBC1D15	8.17E-01
ENSBTAG00000005305	2.32E-10	2.83E-10	NTS	8.19E-01
ENSBTAG00000013956	1.44E-10	1.76E-10		8.20E-01
ENSBTAG00000039980	6.33E-10	7.67E-10		8.26E-01
ENSBTAG00000002902	1.33E-10	1.60E-10	ANO6	8.30E-01
ENSBTAG00000026962	3.18E-10	3.84E-10	XPOT	8.29E-01
ENSBTAG00000000015	4.92E-10	5.89E-10	FOXRED2	8.36E-01
ENSBTAG00000009252	1.14E-09	1.36E-09		8.42E-01
ENSBTAG00000021658	1.89E-10	2.25E-10	GRASP	8.40E-01
ENSBTAG00000002775	9.77E-10	1.16E-09	C12orf71	8.42E-01
ENSBTAG00000000147	1.82E-10	2.17E-10	RIC8B	8.40E-01
ENSBTAG00000000421	3.57E-10	4.24E-10	EEA1	8.42E-01
ENSBTAG00000005225	2.87E-10	3.42E-10	RAD52	8.40E-01
ENSBTAG00000013988	2.34E-10	2.77E-10	BID	8.46E-01
ENSBTAG00000003574	9.27E-11	1.10E-10	KIAA1644	8.43E-01
ENSBTAG00000008897	3.85E-10	4.54E-10	BIN2	8.47E-01
ENSBTAG00000030493	5.88E-10	6.92E-10	RERGL	8.49E-01
ENSBTAG00000030189	4.52E-10	5.31E-10	EFCAB6	8.51E-01
ENSBTAG00000007228	2.07E-10	2.42E-10	CBX7	8.56E-01
ENSBTAG00000033671	9.70E-10	1.13E-09		8.59E-01
ENSBTAG00000009704	3.14E-10	3.66E-10	CECR2	8.58E-01
ENSBTAG00000016121	4.25E-10	4.95E-10	KRT75	8.59E-01

ENSBTAG00000004781	1.16E-10	1.35E-10	POLR3B	8.59E-01
ENSBTAG00000004569	7.68E-10	8.90E-10	GLIPR1L1	8.62E-01
ENSBTAG00000010144	1.76E-10	2.04E-10	MTERF2	8.65E-01
ENSBTAG00000017313	1.57E-10	1.81E-10	CECR1	8.69E-01
ENSBTAG00000001983	5.90E-10	6.79E-10	SMAGP	8.69E-01
ENSBTAG000000044118	3.48E-10	3.99E-10	HMGA2	8.72E-01
ENSBTAG00000008935	2.20E-10	2.52E-10	PFDN5	8.74E-01
ENSBTAG00000019373	2.74E-10	3.13E-10	CAPRIN2	8.75E-01
ENSBTAG00000013173	5.54E-10	6.34E-10	03-Sep	8.73E-01
ENSBTAG000000032902	5.70E-10	6.53E-10		8.73E-01
ENSBTAG00000008910	7.21E-10	8.25E-10	SSTR3	8.74E-01
ENSBTAG00000008967	4.63E-10	5.26E-10	RAP1B	8.80E-01
ENSBTAG00000017943	1.23E-10	1.40E-10	GALNT6	8.81E-01
ENSBTAG00000004283	5.22E-10	5.93E-10	PPFIBP1	8.81E-01
ENSBTAG00000010790	3.89E-10	4.41E-10	EIF3L	8.82E-01
ENSBTAG00000027900	2.25E-10	2.55E-10	LRRIQ1	8.84E-01
ENSBTAG000000031919	5.66E-10	6.40E-10	SLC35E3	8.84E-01
ENSBTAG00000001988	3.36E-10	3.79E-10	EIF3D	8.86E-01
ENSBTAG00000010590	2.39E-10	2.70E-10	FAM118A	8.86E-01
ENSBTAG00000019155	4.08E-10	4.61E-10	FRS2	8.85E-01
ENSBTAG000000011399	4.44E-10	5.01E-10	YARS2	8.86E-01
ENSBTAG000000020315	5.47E-10	6.17E-10	DENND5B	8.87E-01
ENSBTAG00000007904	1.26E-10	1.42E-10	KRT72	8.85E-01
ENSBTAG00000005868	8.47E-10	9.47E-10		8.95E-01
ENSBTAG000000012815	1.13E-09	1.26E-09	CLEC12A	8.97E-01
ENSBTAG000000011395	7.34E-10	8.18E-10	DNM1L	8.98E-01
ENSBTAG00000006369	4.56E-10	5.08E-10	MRPS35	8.98E-01
ENSBTAG000000016414	1.72E-10	1.91E-10	VDR	9.03E-01
ENSBTAG000000002490	6.17E-10	6.86E-10	CHPT1	9.00E-01
ENSBTAG000000004721	4.60E-10	5.10E-10	GSG1	9.02E-01
ENSBTAG000000037783	4.73E-10	5.23E-10		9.05E-01
ENSBTAG000000000310	2.30E-10	2.55E-10	MFAP5	9.03E-01
ENSBTAG000000036078	4.09E-10	4.52E-10	EMP1	9.05E-01
ENSBTAG00000008074	5.54E-10	6.12E-10	C1QTNF6	9.06E-01
ENSBTAG00000004876	3.25E-10	3.59E-10		9.05E-01
ENSBTAG000000031031	7.02E-10	7.73E-10	OR10P1	9.08E-01
ENSBTAG000000026792	4.80E-10	5.28E-10		9.09E-01
ENSBTAG000000018861	3.88E-10	4.26E-10	C12orf56	9.11E-01
ENSBTAG000000000619	5.31E-10	5.84E-10	KRT74	9.09E-01
ENSBTAG0000000037703	2.30E-10	2.52E-10	MICALL1	9.13E-01
ENSBTAG000000014733	4.31E-10	4.72E-10	NOP2	9.13E-01
ENSBTAG000000007447	7.49E-11	8.18E-11		9.16E-01
ENSBTAG000000002492	6.02E-10	6.56E-10	SYCP3	9.18E-01
ENSBTAG000000030257	2.44E-10	2.66E-10	SH3BP1	9.18E-01
ENSBTAG000000007786	2.04E-10	2.20E-10	FBXL14	9.28E-01
ENSBTAG000000045684	6.16E-10	6.64E-10		9.27E-01
ENSBTAG000000010457	3.41E-10	3.68E-10	NUAK1	9.26E-01
ENSBTAG000000030994	3.78E-10	4.08E-10	ANKS1B	9.27E-01
ENSBTAG000000047733	6.20E-10	6.69E-10		9.26E-01
ENSBTAG00000006588	4.20E-10	4.52E-10	CBY1	9.29E-01
ENSBTAG000000012676	5.30E-10	5.69E-10	KRT79	9.32E-01
ENSBTAG000000006973	6.93E-10	7.43E-10	PHF21B	9.32E-01
ENSBTAG000000017378	2.49E-10	2.68E-10	GALNT8	9.31E-01
ENSBTAG000000015024	2.62E-10	2.81E-10	GXYLT1	9.31E-01
ENSBTAG000000045662	3.27E-10	3.50E-10	KRT3	9.33E-01
ENSBTAG000000005765	3.20E-10	3.43E-10	SYNGR1	9.33E-01
ENSBTAG00000008858	5.15E-10	5.51E-10		9.34E-01
ENSBTAG000000017116	4.80E-10	5.13E-10	RASD2	9.36E-01
ENSBTAG000000009552	4.68E-10	4.98E-10	ATP2B1	9.39E-01
ENSBTAG000000011068	5.10E-10	5.40E-10	MON2	9.44E-01
ENSBTAG000000006273	5.62E-10	5.95E-10	SULT4A1	9.44E-01
ENSBTAG000000030621	4.63E-10	4.89E-10	SMCO2	9.47E-01
ENSBTAG000000004547	6.33E-10	6.69E-10	OLR1	9.47E-01
ENSBTAG000000047203	1.85E-10	1.95E-10	TSPAN19	9.49E-01
ENSBTAG000000007531	6.21E-10	6.53E-10	NCF4	9.51E-01
ENSBTAG000000047629	1.74E-10	1.83E-10	C22orf46	9.53E-01
ENSBTAG000000047983	2.14E-10	2.24E-10		9.55E-01
ENSBTAG000000003228	3.14E-10	3.30E-10		9.52E-01
ENSBTAG000000008922	2.48E-10	2.60E-10	APOL6	9.54E-01
ENSBTAG000000008989	2.95E-10	3.09E-10	BORCS5	9.56E-01

ENSBTAG00000011023	4.45E-10	4.67E-10	TMEM52B	9.54E-01
ENSBTAG00000030622	3.25E-10	3.42E-10	MANSC4	9.52E-01
ENSBTAG00000030683	1.61E-10	1.69E-10		9.53E-01
ENSBTAG00000016995	3.64E-10	3.82E-10	CECR5	9.54E-01
ENSBTAG00000017549	2.07E-10	2.17E-10	KITLG	9.53E-01
ENSBTAG00000007720	2.16E-10	2.27E-10		9.53E-01
ENSBTAG00000013843	3.23E-10	3.37E-10	ACVRL1	9.58E-01
ENSBTAG00000004293	4.54E-10	4.73E-10	CLEC12B	9.59E-01
ENSBTAG00000000109	2.17E-10	2.26E-10	NPTXR	9.61E-01
ENSBTAG000000030371	8.92E-10	9.28E-10		9.61E-01
ENSBTAG00000000380	6.70E-10	6.94E-10	SPX	9.65E-01
ENSBTAG00000009023	1.36E-10	1.40E-10	TMTC3	9.72E-01
ENSBTAG00000006800	8.51E-10	8.81E-10	FGF6	9.66E-01
ENSBTAG000000046980	8.52E-10	8.80E-10	KLRF2	9.68E-01
ENSBTAG000000021078	3.52E-10	3.61E-10	PYROXD1	9.75E-01
ENSBTAG00000015290	4.05E-10	4.16E-10	BAIAP2L2	9.75E-01
ENSBTAG00000008934	1.39E-10	1.42E-10	ESPL1	9.81E-01
ENSBTAG00000003693	4.98E-10	5.09E-10	SUN2	9.79E-01
ENSBTAG00000000326	2.25E-10	2.30E-10	ENTHD1	9.78E-01
ENSBTAG00000026966	1.29E-10	1.32E-10	RASSF9	9.79E-01
ENSBTAG000000044048	1.46E-10	1.48E-10	LMBR1L	9.84E-01
ENSBTAG000000019425	5.76E-10	5.88E-10	TSPAN8	9.79E-01
ENSBTAG000000010149	2.18E-10	2.22E-10	CRY1	9.81E-01
ENSBTAG00000007990	3.71E-10	3.77E-10	EPYC	9.83E-01
ENSBTAG000000014759	1.63E-10	1.66E-10	WBP11	9.85E-01
ENSBTAG000000011798	3.72E-10	3.77E-10	STK38L	9.87E-01
ENSBTAG000000021339	3.26E-10	3.30E-10	SCN8A	9.89E-01
ENSBTAG000000013174	1.27E-10	1.29E-10	WBP2NL	9.84E-01
ENSBTAG000000019156	5.46E-10	5.50E-10	CCT2	9.94E-01
ENSBTAG000000020177	1.66E-10	1.67E-10	C12orf10	9.91E-01
ENSBTAG000000004048	3.55E-10	3.57E-10	MCHR1	9.93E-01
ENSBTAG000000008351	3.80E-10	3.83E-10	C12orf60	9.93E-01
ENSBTAG000000047259	2.83E-10	2.85E-10		9.93E-01
ENSBTAG000000002799	1.54E-10	1.55E-10	SLC39A5	9.92E-01
ENSBTAG000000019235	7.86E-10	7.92E-10	MAGOHB	9.93E-01
ENSBTAG000000018131	2.74E-10	2.76E-10	ATF1	9.94E-01
ENSBTAG000000031217	1.51E-10	1.53E-10	MYL6B	9.90E-01
ENSBTAG000000010928	1.40E-10	1.41E-10	CSRN2	9.91E-01
ENSBTAG000000026078	7.78E-10	7.83E-10		9.94E-01
ENSBTAG0000000026531	1.57E-09	1.58E-09		9.93E-01
ENSBTAG000000015025	1.17E-10	1.18E-10	YAF2	9.92E-01
ENSBTAG000000008066	8.64E-10	8.64E-10	PKDREJ	1.00E+00
ENSBTAG000000030369	4.60E-10	4.60E-10	IFFO1	1.00E+00
ENSBTAG000000024318	6.42E-10	6.42E-10		1.00E+00
ENSBTAG000000000077	1.87E-10	1.86E-10		1.01E+00
ENSBTAG000000015878	8.88E-10	8.80E-10	RHNO1	1.01E+00
ENSBTAG000000011590	5.65E-10	5.60E-10	GLIPR1	1.01E+00
ENSBTAG000000006246	1.57E-10	1.56E-10	CBX5	1.01E+00
ENSBTAG000000004999	2.81E-10	2.78E-10	KIAA1551	1.01E+00
ENSBTAG000000004822	1.17E-10	1.16E-10	SOX10	1.01E+00
ENSBTAG000000000219	4.88E-10	4.80E-10	GRIN2B	1.02E+00
ENSBTAG000000019409	3.14E-10	3.09E-10	GNPTAB	1.02E+00
ENSBTAG000000014977	1.69E-10	1.65E-10	ALX1	1.02E+00
ENSBTAG000000012448	1.52E-10	1.50E-10	CCDC91	1.02E+00
ENSBTAG000000016275	8.63E-10	8.46E-10	AMDHD1	1.02E+00
ENSBTAG000000047619	7.47E-10	7.31E-10		1.02E+00
ENSBTAG000000010490	2.74E-10	2.68E-10	PEX5	1.02E+00
ENSBTAG000000015562	1.65E-10	1.62E-10	PLBD1	1.02E+00
ENSBTAG000000030424	3.98E-10	3.90E-10	CLEC1A	1.02E+00
ENSBTAG000000002539	2.84E-10	2.78E-10	TRIOBP	1.02E+00
ENSBTAG000000008036	5.97E-10	5.83E-10		1.02E+00
ENSBTAG000000039992	8.36E-10	8.16E-10		1.02E+00
ENSBTAG000000047872	1.08E-10	1.06E-10	KRT84	1.02E+00
ENSBTAG000000009852	3.45E-10	3.36E-10	NAV3	1.03E+00
ENSBTAG000000000198	9.49E-10	9.23E-10		1.03E+00
ENSBTAG000000004753	1.37E-10	1.34E-10	TMEM5	1.03E+00
ENSBTAG000000007204	1.93E-10	1.86E-10	KRT80	1.04E+00
ENSBTAG000000018745	1.47E-10	1.42E-10	CEP290	1.03E+00
ENSBTAG000000000286	2.04E-10	1.98E-10	PFKM	1.03E+00
ENSBTAG000000039817	1.05E-09	1.02E-09		1.03E+00

ENSBTAG00000016276	4.12E-10	3.99E-10	HAL	1.03E+00
ENSBTAG00000013496	4.91E-10	4.73E-10	CPM	1.04E+00
ENSBTAG00000003239	2.77E-10	2.67E-10	UTP20	1.04E+00
ENSBTAG00000014546	2.36E-10	2.27E-10	CLEC7A	1.04E+00
ENSBTAG00000005221	1.80E-10	1.72E-10	WNK1	1.05E+00
ENSBTAG000000039256	9.94E-10	9.54E-10		1.04E+00
ENSBTAG00000045742	2.25E-10	2.16E-10	C12orf75	1.04E+00
ENSBTAG00000017260	3.65E-10	3.50E-10	PDE3A	1.04E+00
ENSBTAG00000013555	1.30E-10	1.24E-10	ACVR1B	1.04E+00
ENSBTAG00000003282	3.24E-10	3.11E-10	SLCO1A2	1.04E+00
ENSBTAG00000011913	2.29E-10	2.20E-10	CKAP4	1.04E+00
ENSBTAG00000048175	5.03E-10	4.81E-10		1.05E+00
ENSBTAG00000014106	2.61E-10	2.49E-10	IPO8	1.05E+00
ENSBTAG00000006372	4.40E-10	4.20E-10	KLHL42	1.05E+00
ENSBTAG00000004851	2.39E-10	2.28E-10	NCKAP5L	1.05E+00
ENSBTAG00000004240	1.05E-10	1.01E-10		1.04E+00
ENSBTAG00000011070	4.93E-10	4.70E-10	RTCB	1.05E+00
ENSBTAG000000037534	2.32E-10	2.22E-10	KLRF1	1.05E+00
ENSBTAG000000037552	6.69E-10	6.37E-10		1.05E+00
ENSBTAG000000038490	2.36E-10	2.25E-10	CLEC4A	1.05E+00
ENSBTAG000000024132	1.91E-10	1.81E-10	SMC1B	1.05E+00
ENSBTAG00000016646	2.20E-10	2.08E-10	KCNA1	1.06E+00
ENSBTAG00000005626	3.31E-10	3.12E-10	NEUROD4	1.06E+00
ENSBTAG000000026030	3.50E-10	3.30E-10		1.06E+00
ENSBTAG00000010818	3.85E-10	3.63E-10	AEBP2	1.06E+00
ENSBTAG00000047818	2.77E-10	2.61E-10	FAM19A2	1.06E+00
ENSBTAG00000012890	5.29E-11	5.00E-11	SLC25A3	1.06E+00
ENSBTAG00000000289	3.11E-10	2.94E-10	ASB8	1.06E+00
ENSBTAG00000010660	4.27E-10	4.03E-10		1.06E+00
ENSBTAG00000012271	5.01E-10	4.73E-10		1.06E+00
ENSBTAG000000033594	2.83E-10	2.67E-10	C12orf74	1.06E+00
ENSBTAG00000000124	1.32E-10	1.25E-10	DHH	1.06E+00
ENSBTAG000000017113	1.25E-10	1.18E-10	ANKRD33	1.06E+00
ENSBTAG00000013756	1.26E-10	1.19E-10		1.06E+00
ENSBTAG00000014044	5.54E-10	5.21E-10	VEZT	1.06E+00
ENSBTAG00000017571	4.19E-10	3.94E-10	PLEKHA5	1.06E+00
ENSBTAG00000012999	2.67E-10	2.51E-10	PRDM4	1.06E+00
ENSBTAG00000020125	1.82E-10	1.71E-10	RBFOX2	1.06E+00
ENSBTAG00000009444	6.92E-10	6.48E-10	SLC15A5	1.07E+00
ENSBTAG000000019722	1.78E-10	1.67E-10	GUCY2C	1.07E+00
ENSBTAG00000000662	5.84E-10	5.46E-10	TCF20	1.07E+00
ENSBTAG00000015351	1.09E-09	1.02E-09	STYK1	1.06E+00
ENSBTAG00000026977	5.36E-10	5.00E-10	PTPRQ	1.07E+00
ENSBTAG00000014859	4.71E-10	4.38E-10	CAPS2	1.07E+00
ENSBTAG00000000275	5.93E-10	5.51E-10	PARP11	1.08E+00
ENSBTAG00000046609	2.00E-10	1.85E-10		1.08E+00
ENSBTAG000000030744	2.58E-10	2.39E-10	NFYB	1.08E+00
ENSBTAG000000019157	5.07E-10	4.70E-10	LRRC10	1.08E+00
ENSBTAG00000015296	2.15E-10	1.99E-10	PTPRB	1.08E+00
ENSBTAG00000003598	2.15E-10	1.99E-10	P3H3	1.08E+00
ENSBTAG00000014426	1.20E-10	1.11E-10	PRKAG1	1.08E+00
ENSBTAG00000021953	5.66E-10	5.23E-10	LARGE1	1.08E+00
ENSBTAG00000010924	1.60E-10	1.48E-10	LETMD1	1.08E+00
ENSBTAG00000006851	5.06E-10	4.67E-10		1.08E+00
ENSBTAG00000009506	2.61E-10	2.40E-10	NAGA	1.09E+00
ENSBTAG00000013635	2.15E-10	1.98E-10	PDE6H	1.08E+00
ENSBTAG00000019563	3.88E-10	3.56E-10	C5H22orf23	1.09E+00
ENSBTAG00000012423	1.84E-10	1.68E-10	SENP1	1.09E+00
ENSBTAG00000004917	7.66E-10	7.01E-10	KLRK1	1.09E+00
ENSBTAG00000013825	5.96E-10	5.44E-10	BCAT1	1.10E+00
ENSBTAG00000012007	4.89E-10	4.45E-10	SOCS2	1.10E+00
ENSBTAG00000027064	4.36E-10	3.96E-10	BTBD11	1.10E+00
ENSBTAG00000016415	6.77E-10	6.14E-10	LT44H	1.10E+00
ENSBTAG00000017504	5.03E-10	4.56E-10	FAIM2	1.10E+00
ENSBTAG00000009624	2.65E-10	2.40E-10	SGSM3	1.11E+00
ENSBTAG00000018432	2.49E-10	2.25E-10	SLC6A15	1.11E+00
ENSBTAG00000014734	1.93E-10	1.74E-10	CHD4	1.11E+00
ENSBTAG00000020757	1.36E-10	1.22E-10	PCBP2	1.12E+00
ENSBTAG00000045957	9.74E-10	8.79E-10	SAMM50	1.11E+00
ENSBTAG00000011927	1.51E-10	1.36E-10	RDH5	1.11E+00

ENSBTAG0000000859	3.36E-10	3.02E-10	SLC38A1	1.11E+00
ENSBTAG00000015825	1.40E-10	1.26E-10	CCDC65	1.11E+00
ENSBTAG00000045842	1.21E-09	1.09E-09		1.11E+00
ENSBTAG00000026323	6.63E-10	5.93E-10		1.12E+00
ENSBTAG00000046778	1.23E-09	1.11E-09		1.11E+00
ENSBTAG00000039347	2.41E-10	2.15E-10	CLEC4D	1.12E+00
ENSBTAG00000020908	2.31E-10	2.05E-10		1.13E+00
ENSBTAG00000019294	4.04E-10	3.60E-10	ABCC9	1.12E+00
ENSBTAG00000039509	2.52E-10	2.24E-10	GPRC5A	1.13E+00
ENSBTAG00000013155	1.24E-10	1.10E-10	COL2A1	1.13E+00
ENSBTAG00000020792	4.66E-10	4.13E-10	TPH2	1.13E+00
ENSBTAG00000010422	2.16E-10	1.91E-10	MDM2	1.13E+00
ENSBTAG00000016296	1.47E-10	1.29E-10	GPD1	1.14E+00
ENSBTAG00000004097	6.73E-10	5.94E-10	A2M1	1.13E+00
ENSBTAG00000000049	1.75E-10	1.55E-10	CCDC77	1.13E+00
ENSBTAG0000007035	4.55E-10	4.01E-10	CCER1	1.14E+00
ENSBTAG00000014411	2.51E-10	2.21E-10	TMEM263	1.14E+00
ENSBTAG00000003594	1.51E-10	1.33E-10	RIBC2	1.14E+00
ENSBTAG00000016661	3.14E-10	2.76E-10		1.14E+00
ENSBTAG00000002551	1.08E-10	9.48E-11	KCNJ8	1.13E+00
ENSBTAG00000026779	2.14E-10	1.88E-10	LYZ	1.14E+00
ENSBTAG000000021767	2.37E-10	2.08E-10	UBE2N	1.14E+00
ENSBTAG00000002355	7.37E-10	6.47E-10		1.14E+00
ENSBTAG00000012265	6.95E-10	6.09E-10	VWF	1.14E+00
ENSBTAG00000015311	4.70E-10	4.12E-10	PTPRR	1.14E+00
ENSBTAG00000006605	1.12E-09	9.71E-10		1.15E+00
ENSBTAG00000014931	4.38E-10	3.82E-10	MLF2	1.15E+00
ENSBTAG00000011367	3.40E-10	2.96E-10	LIN7A	1.15E+00
ENSBTAG00000007755	4.04E-10	3.50E-10		1.15E+00
ENSBTAG00000034693	4.97E-10	4.30E-10	SYT1	1.16E+00
ENSBTAG00000023192	1.98E-10	1.72E-10		1.15E+00
ENSBTAG00000015109	1.55E-10	1.34E-10	TOB2	1.16E+00
ENSBTAG00000011336	5.52E-10	4.75E-10	OTOGL	1.16E+00
ENSBTAG00000004371	2.75E-10	2.36E-10	CS	1.16E+00
ENSBTAG00000008553	6.66E-10	5.73E-10	B4GALNT3	1.16E+00
ENSBTAG00000001810	1.35E-10	1.16E-10	SCAF11	1.17E+00
ENSBTAG00000014015	1.33E-10	1.14E-10	PLA2G6	1.16E+00
ENSBTAG00000015092	3.60E-10	3.09E-10		1.16E+00
ENSBTAG00000007102	5.69E-10	4.86E-10	GTSE1	1.17E+00
ENSBTAG00000000877	2.67E-10	2.28E-10	ETFBKMT	1.17E+00
ENSBTAG00000003255	4.32E-10	3.69E-10	CD4	1.17E+00
ENSBTAG00000030325	7.48E-10	6.37E-10		1.17E+00
ENSBTAG00000018588	1.98E-10	1.68E-10	TMBIM6	1.18E+00
ENSBTAG00000005120	4.56E-10	3.87E-10	TESPA1	1.18E+00
ENSBTAG00000003749	4.35E-10	3.68E-10	KCNMB4	1.18E+00
ENSBTAG00000012149	1.09E-10	9.19E-11	HOXC8	1.19E+00
ENSBTAG00000013640	9.25E-10	7.78E-10	KLRG1	1.19E+00
ENSBTAG00000011273	2.30E-10	1.93E-10	LRRC23	1.19E+00
ENSBTAG00000016593	2.20E-10	1.85E-10	FMNL3	1.19E+00
ENSBTAG00000012244	1.37E-10	1.15E-10	TUBA1B	1.19E+00
ENSBTAG00000030258	6.28E-11	5.27E-11	CDC42EP1	1.19E+00
ENSBTAG00000046446	2.66E-10	2.24E-10		1.19E+00
ENSBTAG00000015828	7.10E-11	5.96E-11	FKBP11	1.19E+00
ENSBTAG00000007323	1.67E-10	1.40E-10	CPSF6	1.19E+00
ENSBTAG00000021803	2.52E-10	2.12E-10	GRAMD4	1.19E+00
ENSBTAG00000018524	8.31E-11	6.98E-11	AMHR2	1.19E+00
ENSBTAG00000014129	7.65E-11	6.42E-11	RAB5B	1.19E+00
ENSBTAG00000035083	3.96E-10	3.32E-10	ATXN7L3B	1.19E+00
ENSBTAG00000007611	5.15E-10	4.32E-10	NRIP2	1.19E+00
ENSBTAG00000012291	6.84E-10	5.74E-10	TBC1D22A	1.19E+00
ENSBTAG00000047080	4.63E-10	3.89E-10		1.19E+00
ENSBTAG00000009508	1.99E-10	1.67E-10	SMDT1	1.19E+00
ENSBTAG00000000966	6.57E-10	5.50E-10		1.19E+00
ENSBTAG00000008900	2.31E-10	1.94E-10	CELA1	1.19E+00
ENSBTAG00000011892	3.10E-10	2.57E-10	SRGAP1	1.21E+00
ENSBTAG00000011096	1.76E-10	1.45E-10	ERGIC2	1.21E+00
ENSBTAG00000011957	1.70E-10	1.40E-10	CREBL2	1.21E+00
ENSBTAG00000011095	1.43E-10	1.18E-10	FAR2	1.21E+00
ENSBTAG00000019788	4.23E-10	3.47E-10	TEAD4	1.22E+00
ENSBTAG00000013745	3.47E-10	2.85E-10	ITGA5	1.22E+00

ENSBTAG00000047582	4.57E-10	3.74E-10		1.22E+00
ENSBTAG00000022329	4.03E-10	3.29E-10		1.22E+00
ENSBTAG00000011883	4.71E-10	3.84E-10	ARL1	1.23E+00
ENSBTAG00000011525	1.61E-10	1.31E-10	SLC5A8	1.23E+00
ENSBTAG00000014247	2.87E-10	2.35E-10	FAM83F	1.22E+00
ENSBTAG00000019260	8.09E-10	6.60E-10	GLIPIR1L2	1.23E+00
ENSBTAG00000009904	4.69E-10	3.83E-10	SPIC	1.22E+00
ENSBTAG00000012026	5.85E-10	4.78E-10		1.22E+00
ENSBTAG00000007144	2.01E-10	1.64E-10		1.23E+00
ENSBTAG00000004542	7.64E-10	6.23E-10		1.23E+00
ENSBTAG00000015016	1.97E-10	1.60E-10	CALCOCO1	1.23E+00
ENSBTAG00000010182	3.79E-10	3.08E-10	ACR	1.23E+00
ENSBTAG00000027770	4.76E-10	3.87E-10		1.23E+00
ENSBTAG00000005465	1.80E-10	1.47E-10		1.23E+00
ENSBTAG00000043962	3.02E-10	2.46E-10	SLC2A13	1.23E+00
ENSBTAG00000044176	7.07E-10	5.73E-10	C12orf40	1.23E+00
ENSBTAG00000004820	1.39E-10	1.12E-10	POLR2F	1.24E+00
ENSBTAG00000030179	3.15E-10	2.54E-10	MAPK8IP2	1.24E+00
ENSBTAG00000007256	1.97E-10	1.58E-10	DYRK2	1.24E+00
ENSBTAG00000013658	2.45E-10	1.97E-10	ERC1	1.24E+00
ENSBTAG00000045785	4.70E-10	3.77E-10	TOM1	1.25E+00
ENSBTAG00000026916	5.58E-10	4.46E-10	PRR13	1.25E+00
ENSBTAG00000037842	9.70E-10	7.76E-10		1.25E+00
ENSBTAG00000000022	1.76E-10	1.41E-10	NUP37	1.25E+00
ENSBTAG000000008596	3.65E-10	2.91E-10	PRICKLE1	1.25E+00
ENSBTAG00000019119	3.31E-10	2.64E-10	ZCRB1	1.25E+00
ENSBTAG00000002313	3.72E-10	2.95E-10	ITPR2	1.26E+00
ENSBTAG00000000606	3.10E-10	2.46E-10	SYT10	1.26E+00
ENSBTAG00000021980	8.77E-10	6.95E-10	RASSF8	1.26E+00
ENSBTAG00000022986	4.78E-10	3.77E-10	FAM19A5	1.27E+00
ENSBTAG00000021173	8.63E-11	6.79E-11	CCDC134	1.27E+00
ENSBTAG00000015792	6.55E-10	5.15E-10		1.27E+00
ENSBTAG00000003021	1.80E-10	1.41E-10	SP1	1.28E+00
ENSBTAG00000014424	1.33E-10	1.05E-10	DDN	1.27E+00
ENSBTAG00000010644	4.08E-10	3.19E-10	CHST11	1.28E+00
ENSBTAG00000009668	1.47E-10	1.15E-10	TMEM184B	1.28E+00
ENSBTAG00000021435	1.90E-10	1.48E-10	MAFF	1.28E+00
ENSBTAG00000005384	1.44E-10	1.12E-10	COPZ1	1.29E+00
ENSBTAG00000012030	8.07E-10	6.28E-10	TTLL1	1.28E+00
ENSBTAG000000002174	3.14E-10	2.44E-10	RERG	1.29E+00
ENSBTAG00000017164	1.64E-10	1.28E-10	LARP4	1.28E+00
ENSBTAG00000039891	5.91E-10	4.58E-10	KRT71	1.29E+00
ENSBTAG00000006013	9.68E-10	7.50E-10	NT5DC3	1.29E+00
ENSBTAG00000004208	2.78E-10	2.16E-10	PLEKHG6	1.29E+00
ENSBTAG00000046389	8.23E-10	6.36E-10		1.29E+00
ENSBTAG00000034385	1.82E-10	1.41E-10	GPR162	1.29E+00
ENSBTAG00000011591	2.77E-10	2.14E-10	KRR1	1.30E+00
ENSBTAG00000000925	6.61E-10	5.08E-10	GLT8D2	1.30E+00
ENSBTAG00000005863	1.20E-10	9.28E-11		1.30E+00
ENSBTAG00000010865	4.19E-10	3.22E-10	CACNG2	1.30E+00
ENSBTAG00000008595	3.74E-10	2.87E-10		1.30E+00
ENSBTAG00000011392	2.15E-10	1.65E-10	MYBPC1	1.30E+00
ENSBTAG00000019312	3.23E-10	2.48E-10	TFCP2	1.30E+00
ENSBTAG00000046511	2.96E-10	2.26E-10		1.31E+00
ENSBTAG00000016511	2.62E-10	2.01E-10	POLDIP3	1.31E+00
ENSBTAG00000006464	1.63E-10	1.24E-10	GGA1	1.31E+00
ENSBTAG00000004211	1.79E-10	1.37E-10	TNFRSF1A	1.31E+00
ENSBTAG00000000395	1.99E-10	1.51E-10	ADAMTS20	1.32E+00
ENSBTAG00000004004	4.20E-10	3.20E-10	CSDC2	1.31E+00
ENSBTAG00000011838	3.20E-10	2.44E-10	PCED1B	1.31E+00
ENSBTAG00000021660	1.48E-10	1.13E-10		1.31E+00
ENSBTAG00000017864	1.14E-10	8.59E-11	PRPH	1.32E+00
ENSBTAG00000004374	1.36E-10	1.03E-10		1.32E+00
ENSBTAG00000010127	1.20E-10	9.07E-11	MIP	1.32E+00
ENSBTAG00000009297	2.18E-10	1.65E-10	PANX2	1.32E+00
ENSBTAG00000011067	2.59E-10	1.95E-10	IL17RA	1.33E+00
ENSBTAG00000007546	4.14E-10	3.12E-10		1.33E+00
ENSBTAG00000024771	2.69E-10	2.03E-10		1.33E+00
ENSBTAG00000012624	4.33E-10	3.27E-10		1.32E+00
ENSBTAG00000026322	4.03E-10	3.04E-10		1.32E+00



ENSBTAG00000007175	2.36E-10	1.78E-10	AVPR1A	1.32E+00
ENSBTAG000000021460	4.39E-10	3.31E-10		1.33E+00
ENSBTAG000000026385	4.01E-10	3.03E-10		1.32E+00
ENSBTAG000000018358	2.01E-10	1.52E-10	STAC3	1.32E+00
ENSBTAG000000046628	2.93E-10	2.22E-10		1.32E+00
ENSBTAG000000002390	2.19E-10	1.65E-10	CCDC184	1.32E+00
ENSBTAG000000009351	3.85E-10	2.90E-10	ATXN10	1.33E+00
ENSBTAG000000021076	1.66E-10	1.24E-10	TNRC6B	1.34E+00
ENSBTAG000000020638	3.49E-10	2.62E-10	TIMP3	1.33E+00
ENSBTAG000000007636	1.66E-10	1.24E-10	IRAK3	1.34E+00
ENSBTAG000000021287	3.57E-10	2.66E-10	SLC16A7	1.34E+00
ENSBTAG000000014288	3.09E-10	2.31E-10	GPRC5D	1.34E+00
ENSBTAG000000017287	4.07E-10	3.03E-10	DRAM1	1.34E+00
ENSBTAG000000007417	1.45E-10	1.06E-10	GDF11	1.37E+00
ENSBTAG000000020933	3.25E-10	2.39E-10	HCFC2	1.36E+00
ENSBTAG000000007145	1.49E-10	1.10E-10	KRT82	1.36E+00
ENSBTAG000000006324	1.64E-10	1.21E-10	NAB2	1.36E+00
ENSBTAG000000019944	1.60E-10	1.18E-10	METAP2	1.36E+00
ENSBTAG000000011071	4.18E-10	3.06E-10	BPIFC	1.36E+00
ENSBTAG000000007152	1.08E-10	7.84E-11	OS9	1.37E+00
ENSBTAG000000005018	2.58E-10	1.87E-10	NFAM1	1.38E+00
ENSBTAG000000022861	4.76E-10	3.45E-10		1.38E+00
ENSBTAG000000032914	1.45E-10	1.05E-10		1.38E+00
ENSBTAG0000000014175	1.78E-10	1.29E-10	STRAP	1.38E+00
ENSBTAG000000016516	2.90E-10	2.09E-10	CYB5R3	1.39E+00
ENSBTAG000000002251	4.96E-10	3.58E-10		1.39E+00
ENSBTAG000000034295	1.61E-10	1.16E-10	LAG3	1.38E+00
ENSBTAG000000016271	7.49E-10	5.40E-10	SNRPF	1.39E+00
ENSBTAG000000019780	2.55E-10	1.83E-10	USP5	1.39E+00
ENSBTAG000000015364	1.86E-10	1.34E-10	WNT1	1.39E+00
ENSBTAG000000020758	9.39E-11	6.76E-11	MAP3K12	1.39E+00
ENSBTAG0000000045746	1.02E-09	7.34E-10		1.39E+00
ENSBTAG000000008721	3.76E-10	2.71E-10	MANSC1	1.39E+00
ENSBTAG000000039380	8.14E-10	5.85E-10		1.39E+00
ENSBTAG000000024798	6.16E-10	4.42E-10		1.39E+00
ENSBTAG000000030180	2.91E-10	2.09E-10	SHANK3	1.39E+00
ENSBTAG000000016050	1.74E-10	1.25E-10		1.39E+00
ENSBTAG000000018002	1.62E-10	1.17E-10	DTX3	1.38E+00
ENSBTAG000000047109	6.24E-10	4.48E-10		1.39E+00
ENSBTAG0000000015275	1.23E-10	8.88E-11	SLC16A8	1.39E+00
ENSBTAG000000020679	4.57E-10	3.27E-10	CNTN1	1.40E+00
ENSBTAG000000005082	3.11E-10	2.22E-10	MED21	1.40E+00
ENSBTAG000000010444	1.80E-10	1.28E-10	ERBB3	1.41E+00
ENSBTAG000000037800	1.16E-09	8.21E-10		1.41E+00
ENSBTAG000000047225	2.88E-10	2.04E-10	BCL2L14	1.41E+00
ENSBTAG000000039470	8.56E-10	6.08E-10		1.41E+00
ENSBTAG000000000593	2.20E-10	1.56E-10	ST8SIA1	1.41E+00
ENSBTAG000000001020	2.06E-10	1.46E-10	AKAP3	1.41E+00
ENSBTAG000000011765	4.76E-10	3.36E-10	GABARAPL1	1.42E+00
ENSBTAG000000044017	2.16E-10	1.52E-10	MSRB3	1.42E+00
ENSBTAG000000016496	3.64E-10	2.57E-10	ZNF641	1.42E+00
ENSBTAG000000016931	3.69E-10	2.60E-10	E2F7	1.42E+00
ENSBTAG000000014730	6.24E-10	4.38E-10	NCAPD2	1.42E+00
ENSBTAG000000046324	4.68E-10	3.29E-10		1.42E+00
ENSBTAG000000012034	5.11E-10	3.59E-10	KRT4	1.42E+00
ENSBTAG000000015875	7.69E-10	5.39E-10	FOXM1	1.43E+00
ENSBTAG000000023546	1.47E-10	1.03E-10	FAM186A	1.43E+00
ENSBTAG000000005243	5.25E-10	3.67E-10	OVOS2	1.43E+00
ENSBTAG000000002972	2.91E-10	2.03E-10	CASC1	1.43E+00
ENSBTAG000000008129	3.32E-10	2.31E-10	CLSTN3	1.44E+00
ENSBTAG000000030650	2.49E-10	1.73E-10	TST	1.44E+00
ENSBTAG000000004556	1.97E-10	1.36E-10		1.45E+00
ENSBTAG000000002630	2.75E-10	1.89E-10	MKL1	1.45E+00
ENSBTAG000000018137	4.20E-10	2.88E-10	A2M	1.46E+00
ENSBTAG000000000836	3.87E-10	2.64E-10	KRT8	1.47E+00
ENSBTAG000000026611	4.84E-10	3.30E-10		1.47E+00
ENSBTAG000000020237	2.44E-10	1.67E-10	NECAP1	1.46E+00
ENSBTAG000000011082	1.64E-10	1.12E-10	IGF-I	1.47E+00
ENSBTAG000000006734	1.94E-10	1.32E-10	BICD1	1.47E+00
ENSBTAG000000002631	3.15E-10	2.14E-10	SCNN1A	1.47E+00

ENSBTAG00000021621	1.12E-09	7.54E-10		1.48E+00
ENSBTAG00000018940	4.58E-10	3.11E-10		1.47E+00
ENSBTAG00000016198	3.09E-10	2.09E-10	EP300	1.48E+00
ENSBTAG00000012342	2.10E-10	1.42E-10	LIMA1	1.48E+00
ENSBTAG00000015157	2.27E-10	1.54E-10	GRAP2	1.48E+00
ENSBTAG00000003748	1.92E-10	1.29E-10	CNOT2	1.49E+00
ENSBTAG00000015044	5.90E-10	3.97E-10	CARD10	1.49E+00
ENSBTAG00000014332	1.36E-09	9.20E-10		1.48E+00
ENSBTAG00000047650	2.78E-10	1.87E-10	NXPH4	1.49E+00
ENSBTAG00000020699	4.81E-10	3.23E-10	TSPAN11	1.49E+00
ENSBTAG00000016910	1.63E-10	1.10E-10	METTTL21B	1.48E+00
ENSBTAG00000009543	1.75E-10	1.17E-10	ESYT1	1.49E+00
ENSBTAG00000009956	2.17E-10	1.45E-10	CENPM	1.50E+00
ENSBTAG00000021994	3.26E-10	2.18E-10	CACNA2D4	1.49E+00
ENSBTAG00000032183	3.21E-10	2.14E-10	NELL2	1.50E+00
ENSBTAG00000013859	7.73E-10	5.16E-10	SCYL2	1.50E+00
ENSBTAG00000021697	6.85E-11	4.57E-11	PDGFB	1.50E+00
ENSBTAG00000016274	7.85E-10	5.24E-10	CCDC38	1.50E+00
ENSBTAG00000009778	1.42E-10	9.46E-11	KRAS	1.50E+00
ENSBTAG00000021978	8.85E-10	5.89E-10	PARVB	1.50E+00
ENSBTAG00000017652	3.38E-10	2.24E-10	NUP50	1.51E+00
ENSBTAG00000046760	3.96E-10	2.62E-10	BRD1	1.51E+00
ENSBTAG00000048233	1.49E-09	9.80E-10		1.52E+00
ENSBTAG00000004019	2.12E-10	1.40E-10	PMEL	1.52E+00
ENSBTAG000000019711	1.39E-10	9.13E-11	LRMP	1.52E+00
ENSBTAG00000046089	3.40E-10	2.23E-10	KRT1	1.52E+00
ENSBTAG00000038461	6.66E-10	4.36E-10		1.53E+00
ENSBTAG00000006036	2.51E-10	1.64E-10	ERP27	1.53E+00
ENSBTAG00000019290	8.34E-10	5.44E-10	PACSIN2	1.53E+00
ENSBTAG00000018575	7.06E-10	4.58E-10	TRHDE	1.54E+00
ENSBTAG00000021661	2.08E-10	1.35E-10	APAF1	1.54E+00
ENSBTAG00000014829	5.00E-10	3.24E-10	MYRFL	1.54E+00
ENSBTAG00000020564	6.95E-10	4.49E-10		1.55E+00
ENSBTAG00000005370	2.68E-10	1.72E-10	TMTC1	1.56E+00
ENSBTAG00000019058	5.21E-10	3.36E-10	IQSEC3	1.55E+00
ENSBTAG00000016362	5.49E-10	3.52E-10		1.56E+00
ENSBTAG00000001708	3.01E-10	1.93E-10	TTLL12	1.56E+00
ENSBTAG00000015879	2.45E-10	1.56E-10	TULP3	1.57E+00
ENSBTAG00000012784	1.26E-10	7.96E-11	RACGAP1	1.59E+00
ENSBTAG00000014003	1.08E-10	6.81E-11	MYF6	1.59E+00
ENSBTAG00000000435	1.23E-10	7.75E-11	TARBP2	1.59E+00
ENSBTAG00000008933	1.45E-10	9.10E-11	MFSD5	1.59E+00
ENSBTAG00000015347	1.22E-10	7.68E-11		1.59E+00
ENSBTAG00000003278	3.91E-11	2.47E-11	HOXC10	1.58E+00
ENSBTAG00000006335	1.54E-10	9.70E-11	STAT6	1.59E+00
ENSBTAG00000008857	1.73E-10	1.09E-10	GALR3	1.59E+00
ENSBTAG00000008434	4.93E-11	3.10E-11	GCAT	1.59E+00
ENSBTAG00000026993	6.99E-11	4.40E-11		1.59E+00
ENSBTAG00000046800	2.78E-10	1.75E-10	KLHDC7B	1.59E+00
ENSBTAG00000014731	3.22E-10	2.03E-10		1.59E+00
ENSBTAG00000012782	1.28E-10	8.08E-11	AQP6	1.59E+00
ENSBTAG00000015089	9.82E-11	6.18E-11	LGALS1	1.59E+00
ENSBTAG00000021122	3.51E-10	2.21E-10		1.59E+00
ENSBTAG00000045752	3.50E-10	2.20E-10		1.59E+00
ENSBTAG00000006631	1.42E-10	8.95E-11	GLI1	1.59E+00
ENSBTAG00000039152	1.76E-10	1.11E-10		1.59E+00
ENSBTAG00000027899	9.08E-10	5.71E-10		1.59E+00
ENSBTAG00000011000	3.34E-10	2.10E-10	HDAC10	1.59E+00
ENSBTAG00000009634	1.13E-10	7.12E-11	HOXC5	1.59E+00
ENSBTAG00000045919	4.35E-10	2.73E-10		1.59E+00
ENSBTAG00000002004	4.11E-10	2.58E-10	LLPH	1.59E+00
ENSBTAG00000022083	2.35E-10	1.48E-10	REP15	1.59E+00
ENSBTAG00000047931	5.25E-10	3.30E-10		1.59E+00
ENSBTAG00000002913	5.25E-10	3.30E-10		1.59E+00
ENSBTAG00000047980	3.54E-10	2.23E-10		1.59E+00
ENSBTAG00000030185	7.74E-10	4.86E-10		1.59E+00
ENSBTAG00000026489	2.18E-10	1.37E-10	TNFRSF13C	1.59E+00
ENSBTAG00000004181	1.78E-10	1.12E-10		1.59E+00
ENSBTAG00000032428	4.95E-10	3.11E-10		1.59E+00
ENSBTAG00000020664	1.18E-10	7.45E-11		1.59E+00

ENSBTAG00000038567	8.23E-10	5.16E-10		1.59E+00
ENSBTAG00000031786	7.07E-10	4.44E-10	FAU	1.59E+00
ENSBTAG00000045487	1.73E-10	1.09E-10		1.58E+00
ENSBTAG00000012192	7.16E-10	4.50E-10		1.59E+00
ENSBTAG00000002362	1.27E-10	7.98E-11	APOLD1	1.59E+00
ENSBTAG00000046599	8.46E-10	5.31E-10		1.59E+00
ENSBTAG00000023670	9.20E-10	5.77E-10		1.59E+00
ENSBTAG00000048277	1.04E-09	6.52E-10		1.59E+00
ENSBTAG00000017950	3.21E-10	2.00E-10	SLC4A8	1.60E+00
ENSBTAG00000031950	6.47E-10	4.03E-10		1.60E+00
ENSBTAG00000010428	2.21E-10	1.37E-10	USP15	1.62E+00
ENSBTAG00000013406	8.88E-10	5.51E-10	CSRP2	1.61E+00
ENSBTAG00000011804	5.29E-10	3.27E-10	ARNTL2	1.62E+00
ENSBTAG00000003183	5.63E-10	3.48E-10	NTN4	1.62E+00
ENSBTAG00000017967	1.83E-10	1.12E-10	PTGES3	1.63E+00
ENSBTAG00000014697	2.00E-10	1.23E-10	SMARCC2	1.63E+00
ENSBTAG00000014340	3.99E-10	2.44E-10	KERA	1.64E+00
ENSBTAG00000019283	2.28E-10	1.39E-10	FAM186B	1.64E+00
ENSBTAG00000030784	6.08E-10	3.71E-10	APPL2	1.64E+00
ENSBTAG00000018690	2.81E-10	1.71E-10	RPAP3	1.64E+00
ENSBTAG00000017395	2.65E-10	1.60E-10	CERS5	1.65E+00
ENSBTAG00000018085	2.39E-10	1.43E-10	GTSF1	1.67E+00
ENSBTAG00000012088	5.56E-10	3.33E-10	FBLN1	1.67E+00
ENSBTAG00000000687	3.93E-10	2.35E-10	POC1B	1.67E+00
ENSBTAG00000014154	7.29E-10	4.35E-10		1.67E+00
ENSBTAG00000020459	1.90E-10	1.13E-10	TIMELESS	1.68E+00
ENSBTAG00000011761	2.06E-10	1.23E-10	LRP6	1.67E+00
ENSBTAG00000014375	7.02E-10	4.17E-10	TMCC3	1.68E+00
ENSBTAG00000006204	4.96E-10	2.95E-10	XPNPEP3	1.68E+00
ENSBTAG00000013822	1.76E-10	1.04E-10	GAS2L3	1.69E+00
ENSBTAG00000014659	3.31E-10	1.95E-10	NEMP1	1.70E+00
ENSBTAG00000014758	2.45E-10	1.44E-10	WIF1	1.70E+00
ENSBTAG00000043949	2.51E-10	1.48E-10		1.70E+00
ENSBTAG00000020341	3.70E-10	2.17E-10	MOV10L1	1.70E+00
ENSBTAG00000030426	1.18E-09	6.87E-10		1.71E+00
ENSBTAG00000004660	2.60E-10	1.52E-10		1.71E+00
ENSBTAG00000000393	1.81E-10	1.05E-10	SSPN	1.72E+00
ENSBTAG00000047358	3.47E-10	2.01E-10	HIGD1C	1.72E+00
ENSBTAG00000020472	2.45E-10	1.42E-10	KDM5A	1.72E+00
ENSBTAG00000006985	2.72E-10	1.58E-10	TM7SF3	1.72E+00
ENSBTAG00000006202	3.53E-10	2.05E-10		1.72E+00
ENSBTAG00000000650	4.30E-10	2.49E-10	TUBGCP6	1.73E+00
ENSBTAG00000018180	1.39E-10	8.04E-11	C5H12orf50	1.73E+00
ENSBTAG00000015604	1.25E-10	7.23E-11	ZNF385A	1.73E+00
ENSBTAG00000006828	1.41E-10	8.14E-11	RAPGEF3	1.73E+00
ENSBTAG00000009542	1.69E-10	9.67E-11	ZC3H10	1.75E+00
ENSBTAG00000018556	3.38E-10	1.93E-10		1.75E+00
ENSBTAG00000001489	2.03E-10	1.16E-10	TUBA1A	1.75E+00
ENSBTAG00000046742	7.61E-10	4.34E-10	CLEC2A	1.75E+00
ENSBTAG00000009509	2.31E-10	1.31E-10	NDUFA6	1.76E+00
ENSBTAG00000006911	3.05E-10	1.74E-10	NUP107	1.75E+00
ENSBTAG00000005246	3.17E-10	1.80E-10	DIP2B	1.76E+00
ENSBTAG00000003017	7.53E-10	4.28E-10	TTC38	1.76E+00
ENSBTAG00000009050	3.83E-10	2.17E-10	ADIPOR2	1.76E+00
ENSBTAG00000011857	4.28E-10	2.42E-10	PPM1H	1.77E+00
ENSBTAG00000046268	1.04E-09	5.82E-10		1.78E+00
ENSBTAG00000017072	2.34E-10	1.31E-10	ZNF384	1.78E+00
ENSBTAG00000002888	6.32E-10	3.54E-10	TMTC2	1.78E+00
ENSBTAG00000011959	1.93E-10	1.08E-10	GPR19	1.79E+00
ENSBTAG00000005333	1.37E-10	7.65E-11	MB	1.79E+00
ENSBTAG00000017064	2.05E-10	1.15E-10	ING4	1.78E+00
ENSBTAG00000010451	1.10E-10	6.15E-11	PA2G4	1.79E+00
ENSBTAG00000045808	2.24E-10	1.25E-10	IL17REL	1.79E+00
ENSBTAG00000046994	7.90E-10	4.41E-10		1.79E+00
ENSBTAG00000046298	2.84E-10	1.58E-10	SYCE3	1.80E+00
ENSBTAG00000001931	3.80E-10	2.11E-10	TRABD	1.80E+00
ENSBTAG00000011826	6.76E-10	3.75E-10	PEX26	1.80E+00
ENSBTAG00000004145	6.79E-10	3.76E-10	ANO4	1.81E+00
ENSBTAG00000045786	4.78E-10	2.64E-10		1.81E+00
ENSBTAG00000012246	4.63E-10	2.55E-10	ANO2	1.81E+00

ENSBTAG00000016996	3.30E-10	1.82E-10	C5H12orf54	1.81E+00
ENSBTAG00000008554	6.81E-10	3.75E-10	NINJ2	1.82E+00
ENSBTAG00000047801	8.41E-10	4.60E-10	CRELD2	1.83E+00
ENSBTAG00000000647	5.47E-10	2.98E-10	SELENOO	1.84E+00
ENSBTAG00000021626	6.12E-10	3.34E-10	MLC1	1.83E+00
ENSBTAG00000021756	4.58E-10	2.49E-10	ZDHHC17	1.84E+00
ENSBTAG00000016048	2.96E-10	1.61E-10	CPT1B	1.84E+00
ENSBTAG00000012185	3.43E-10	1.86E-10	CLEC4E	1.84E+00
ENSBTAG00000000970	2.76E-10	1.50E-10	ASIC1	1.84E+00
ENSBTAG00000037638	5.47E-11	2.96E-11	KRT73	1.85E+00
ENSBTAG00000000510	9.88E-11	5.33E-11	ATG101	1.85E+00
ENSBTAG0000003036	4.45E-10	2.40E-10	PPFIA2	1.85E+00
ENSBTAG00000045904	1.77E-10	9.57E-11	PIM3	1.85E+00
ENSBTAG00000011111	4.60E-10	2.48E-10	COPS7A	1.85E+00
ENSBTAG00000013126	4.04E-10	2.18E-10		1.85E+00
ENSBTAG00000010157	2.91E-10	1.57E-10	Tom22	1.86E+00
ENSBTAG00000045816	6.16E-10	3.31E-10		1.86E+00
ENSBTAG00000033600	8.57E-10	4.61E-10		1.86E+00
ENSBTAG00000008063	5.25E-10	2.82E-10	PPARA	1.86E+00
ENSBTAG00000011275	3.97E-10	2.13E-10	SCUBE1	1.86E+00
ENSBTAG00000038043	4.79E-10	2.57E-10	ABCD2	1.86E+00
ENSBTAG00000020806	1.73E-10	9.25E-11	HELB	1.87E+00
ENSBTAG00000005595	2.77E-10	1.47E-10	TRMU	1.88E+00
ENSBTAG00000000400	2.07E-10	1.10E-10	KRT85	1.88E+00
ENSBTAG00000012275	2.64E-10	1.39E-10	ENDOU	1.90E+00
ENSBTAG00000009049	2.26E-10	1.18E-10		1.91E+00
ENSBTAG00000010616	1.73E-10	9.08E-11	MBD6	1.91E+00
ENSBTAG00000013596	3.73E-10	1.95E-10	NR1H4	1.91E+00
ENSBTAG00000038652	9.13E-10	4.75E-10		1.92E+00
ENSBTAG00000022360	4.07E-10	2.12E-10	SOX5	1.92E+00
ENSBTAG00000002413	3.61E-10	1.87E-10	MCAT	1.93E+00
ENSBTAG00000032148	4.08E-10	2.10E-10	TMEM117	1.94E+00
ENSBTAG00000011105	1.25E-10	6.43E-11	SLC38A2	1.94E+00
ENSBTAG00000011762	1.89E-10	9.67E-11	ANKRD52	1.95E+00
ENSBTAG00000010136	1.69E-10	8.65E-11	CMAS	1.95E+00
ENSBTAG00000039784	1.94E-10	9.94E-11	PRR5	1.96E+00
ENSBTAG00000005861	8.38E-11	4.28E-11	CCNT1	1.96E+00
ENSBTAG00000026501	6.05E-10	3.08E-10	MGC127055	1.96E+00
ENSBTAG00000018073	2.73E-10	1.39E-10	TSPO	1.96E+00
ENSBTAG00000010789	7.84E-10	3.99E-10	ANKRD54	1.97E+00
ENSBTAG00000006103	4.14E-10	2.09E-10	XRCC6	1.98E+00
ENSBTAG00000006739	6.96E-11	3.50E-11		1.98E+00
ENSBTAG00000009507	8.78E-11	4.42E-11	FAM109B	1.99E+00
ENSBTAG00000006205	3.87E-10	1.95E-10	DNAJB7	1.98E+00
ENSBTAG00000047886	4.21E-10	2.12E-10		1.99E+00
ENSBTAG00000021337	3.63E-10	1.83E-10	SBF1	1.99E+00
ENSBTAG00000047825	4.31E-10	2.17E-10		1.98E+00
ENSBTAG00000045722	3.60E-10	1.81E-10		1.99E+00
ENSBTAG00000019084	1.97E-10	9.93E-11	INHBC	1.99E+00
ENSBTAG0000007553	1.86E-10	9.39E-11	KCNA5	1.98E+00
ENSBTAG00000011918	1.20E-10	6.06E-11		1.98E+00
ENSBTAG00000006256	2.96E-10	1.48E-10	PTPRO	2.00E+00
ENSBTAG00000019602	4.64E-10	2.31E-10	SLCO1C1	2.01E+00
ENSBTAG00000016043	5.49E-10	2.72E-10	GNB3	2.02E+00
ENSBTAG00000048280	4.55E-10	2.26E-10	C12orf73	2.02E+00
ENSBTAG00000025005	5.65E-10	2.80E-10		2.02E+00
ENSBTAG00000001510	3.51E-10	1.74E-10	CDK17	2.01E+00
ENSBTAG00000017840	1.68E-10	8.34E-11	BAZ2A	2.02E+00
ENSBTAG00000030343	2.68E-10	1.32E-10	FGF23	2.03E+00
ENSBTAG00000034246	3.01E-10	1.49E-10	ACRBP	2.02E+00
ENSBTAG00000046173	6.89E-10	3.39E-10	ALG12	2.03E+00
ENSBTAG00000006010	4.30E-10	2.11E-10	STAB2	2.04E+00
ENSBTAG00000010402	6.46E-10	3.15E-10	MYH9	2.05E+00
ENSBTAG00000016510	5.05E-10	2.46E-10		2.05E+00
ENSBTAG00000011087	1.94E-10	9.45E-11	ARID2	2.05E+00
ENSBTAG00000000808	2.48E-10	1.20E-10	COX14	2.07E+00
ENSBTAG00000009447	3.78E-10	1.83E-10	PRMT8	2.06E+00
ENSBTAG00000018405	1.48E-10	7.15E-11	MARS	2.07E+00
ENSBTAG00000020914	7.89E-10	3.78E-10	CPNE8	2.09E+00
ENSBTAG00000021995	3.04E-10	1.46E-10	LRTM2	2.08E+00

ENSBTAG00000019741	2.55E-10	1.22E-10	C3AR1	2.09E+00
ENSBTAG00000039709	2.28E-10	1.09E-10	PARPBP	2.09E+00
ENSBTAG00000013842	7.91E-10	3.76E-10	ACTR6	2.10E+00
ENSBTAG00000017830	1.86E-10	8.79E-11	RBMS2	2.12E+00
ENSBTAG00000003291	2.04E-10	9.65E-11	RIMKLB	2.11E+00
ENSBTAG00000046724	8.10E-11	3.83E-11	CBX6	2.11E+00
ENSBTAG00000012896	3.01E-10	1.42E-10	METTL7B	2.12E+00
ENSBTAG00000019946	2.30E-10	1.08E-10	USP44	2.13E+00
ENSBTAG00000020292	3.57E-10	1.68E-10	C5H12orf57	2.12E+00
ENSBTAG00000047374	2.55E-10	1.20E-10		2.12E+00
ENSBTAG00000010830	2.64E-10	1.24E-10	LRP1	2.13E+00
ENSBTAG00000020330	2.42E-10	1.14E-10	BTG1	2.12E+00
ENSBTAG00000006040	7.24E-10	3.41E-10	UHRF1BP1L	2.12E+00
ENSBTAG00000038521	7.04E-10	3.31E-10		2.13E+00
ENSBTAG00000013515	1.35E-10	6.33E-11	ASUN	2.13E+00
ENSBTAG00000038843	9.47E-10	4.45E-10		2.13E+00
ENSBTAG00000014197	4.79E-10	2.23E-10	SLC38A4	2.15E+00
ENSBTAG00000001088	4.68E-10	2.18E-10	SLC17A8	2.15E+00
ENSBTAG00000033726	5.35E-10	2.49E-10	GRIP1	2.15E+00
ENSBTAG00000022167	3.41E-10	1.58E-10	DERA	2.16E+00
ENSBTAG00000017543	2.87E-10	1.32E-10	ATP23	2.17E+00
ENSBTAG00000011720	1.83E-10	8.48E-11	HSD17B6	2.16E+00
ENSBTAG00000001894	2.16E-10	9.92E-11	NEDD1	2.18E+00
ENSBTAG00000005453	2.43E-10	1.12E-10	FGD4	2.17E+00
ENSBTAG000000016908	2.50E-10	1.15E-10	METTL1	2.18E+00
ENSBTAG00000031500	1.71E-10	7.83E-11	SHMT2	2.18E+00
ENSBTAG00000007592	4.37E-11	2.00E-11	RARG	2.18E+00
ENSBTAG00000014429	1.48E-10	6.74E-11	KMT2D	2.19E+00
ENSBTAG00000021615	1.44E-10	6.59E-11	LGALS2	2.18E+00
ENSBTAG00000030648	1.93E-10	8.83E-11	MPST	2.18E+00
ENSBTAG00000032152	2.16E-10	9.90E-11	TMPRSS6	2.18E+00
ENSBTAG00000011902	3.57E-10	1.63E-10		2.19E+00
ENSBTAG00000015582	2.90E-10	1.31E-10	HMOX1	2.22E+00
ENSBTAG00000016508	2.57E-10	1.16E-10	CTDSP2	2.21E+00
ENSBTAG00000011098	6.84E-10	3.09E-10	TTLL8	2.21E+00
ENSBTAG00000033735	3.85E-10	1.73E-10	KIAA1033	2.23E+00
ENSBTAG00000005735	3.69E-10	1.64E-10	ATP5G2	2.25E+00
ENSBTAG00000037935	1.31E-10	5.82E-11	SMARCD1	2.25E+00
ENSBTAG00000014605	3.24E-10	1.43E-10	ETV6	2.27E+00
ENSBTAG00000012636	2.95E-10	1.31E-10	IKZF4	2.25E+00
ENSBTAG00000018660	3.68E-10	1.61E-10	PPP6R2	2.28E+00
ENSBTAG00000014729	5.71E-10	2.49E-10	MRPL51	2.29E+00
ENSBTAG00000010701	2.16E-10	9.38E-11		2.30E+00
ENSBTAG00000039847	4.90E-10	2.12E-10		2.31E+00
ENSBTAG00000012607	2.88E-10	1.24E-10	NCAPH2	2.32E+00
ENSBTAG00000002931	8.80E-10	3.79E-10	BEST3	2.32E+00
ENSBTAG00000003367	7.93E-10	3.42E-10		2.32E+00
ENSBTAG00000004488	3.18E-10	1.37E-10	MEI1	2.32E+00
ENSBTAG00000018694	4.79E-10	2.05E-10	ACSS3	2.34E+00
ENSBTAG00000018254	1.42E-10	5.97E-11	CDKN1B	2.38E+00
ENSBTAG00000016053	7.83E-11	3.29E-11	ARSA	2.38E+00
ENSBTAG00000044000	2.07E-10	8.70E-11	PRIM1	2.38E+00
ENSBTAG00000007160	8.28E-11	3.47E-11		2.38E+00
ENSBTAG00000046761	4.49E-10	1.88E-10		2.39E+00
ENSBTAG00000017062	4.29E-10	1.80E-10	ADM2	2.38E+00
ENSBTAG00000002798	2.01E-10	8.42E-11	NABP2	2.38E+00
ENSBTAG00000038439	2.23E-10	9.35E-11	H1FO	2.38E+00
ENSBTAG00000046108	5.08E-10	2.12E-10		2.39E+00
ENSBTAG00000026495	1.44E-10	6.04E-11		2.38E+00
ENSBTAG00000037758	5.25E-10	2.20E-10		2.39E+00
ENSBTAG00000023274	4.83E-10	2.02E-10		2.39E+00
ENSBTAG00000018828	1.74E-10	7.28E-11	ATN1	2.38E+00
ENSBTAG00000038027	8.42E-10	3.52E-10		2.39E+00
ENSBTAG00000038893	7.91E-10	3.31E-10		2.39E+00
ENSBTAG00000012794	3.43E-10	1.43E-10	PAH	2.40E+00
ENSBTAG00000004427	2.53E-10	1.04E-10	OSBPL8	2.43E+00
ENSBTAG00000004484	2.76E-10	1.14E-10	CEP83	2.42E+00
ENSBTAG00000020294	3.72E-10	1.52E-10	PTPN6	2.45E+00
ENSBTAG00000026754	2.45E-10	9.99E-11	RNF41	2.45E+00
ENSBTAG00000006279	6.68E-10	2.72E-10	PNPLA5	2.45E+00

ENSBTAG00000018361	1.82E-10	7.39E-11	R3HDM2	2.46E+00
ENSBTAG00000016650	3.57E-10	1.45E-10	TIGAR	2.46E+00
ENSBTAG00000045768	3.47E-10	1.40E-10		2.48E+00
ENSBTAG00000016166	6.43E-10	2.60E-10		2.47E+00
ENSBTAG00000013127	3.44E-10	1.38E-10	LPCAT3	2.49E+00
ENSBTAG00000001509	3.47E-10	1.39E-10	ELK3	2.50E+00
ENSBTAG00000034678	6.50E-10	2.61E-10		2.49E+00
ENSBTAG00000019603	6.84E-10	2.73E-10	LDHB	2.51E+00
ENSBTAG00000000667	6.24E-10	2.49E-10		2.50E+00
ENSBTAG000000011043	6.00E-10	2.39E-10	RAC2	2.51E+00
ENSBTAG00000014265	7.74E-11	3.06E-11	SREBF2	2.52E+00
ENSBTAG00000006423	2.91E-10	1.15E-10	PHF5A	2.53E+00
ENSBTAG00000000369	3.04E-10	1.19E-10	EPS8	2.55E+00
ENSBTAG000000020636	7.09E-10	2.78E-10	SYN3	2.55E+00
ENSBTAG00000001057	6.66E-10	2.61E-10	ARFGAP3	2.55E+00
ENSBTAG00000016580	2.15E-10	8.31E-11	TEF	2.58E+00
ENSBTAG000000006429	4.73E-10	1.81E-10	ACO2	2.61E+00
ENSBTAG000000002256	3.08E-10	1.18E-10	YEATS4	2.61E+00
ENSBTAG00000016649	2.25E-10	8.56E-11	CCND2	2.63E+00
ENSBTAG00000009281	3.96E-10	1.49E-10	SPRYD4	2.66E+00
ENSBTAG000000004541	1.64E-10	6.20E-11	LPAR5	2.64E+00
ENSBTAG00000010624	1.63E-10	6.08E-11	DCTN2	2.68E+00
ENSBTAG00000014030	4.58E-10	1.71E-10	FGD6	2.68E+00
ENSBTAG000000011245	3.73E-10	1.37E-10	PLXNC1	2.72E+00
ENSBTAG000000026502	4.34E-10	1.59E-10		2.73E+00
ENSBTAG000000021105	9.05E-11	3.31E-11	IRAK4	2.73E+00
ENSBTAG00000000507	1.60E-10	5.85E-11	NR4A1	2.73E+00
ENSBTAG000000008057	8.83E-10	3.23E-10	PARVG	2.73E+00
ENSBTAG000000015043	3.43E-10	1.25E-10	MFNG	2.74E+00
ENSBTAG000000040244	6.68E-10	2.42E-10		2.76E+00
ENSBTAG000000023635	4.64E-10	1.68E-10	CLEC6A	2.76E+00
ENSBTAG000000038146	2.69E-10	9.68E-11		2.78E+00
ENSBTAG000000004367	1.70E-10	6.10E-11	COQ10A	2.78E+00
ENSBTAG00000007605	5.09E-10	1.82E-10	FKBP4	2.79E+00
ENSBTAG00000001099	5.06E-10	1.82E-10	PIANP	2.78E+00
ENSBTAG000000046639	5.91E-10	2.12E-10		2.79E+00
ENSBTAG000000016905	6.20E-10	2.22E-10		2.79E+00
ENSBTAG000000018506	1.02E-09	3.65E-10		2.80E+00
ENSBTAG000000023258	1.97E-09	7.00E-10		2.82E+00
ENSBTAG000000006326	4.92E-10	1.74E-10	ALDH1L2	2.83E+00
ENSBTAG000000006538	2.13E-10	7.53E-11	PTHLH	2.82E+00
ENSBTAG000000037632	1.03E-09	3.63E-10		2.84E+00
ENSBTAG000000008127	2.80E-10	9.80E-11	RBP5	2.86E+00
ENSBTAG000000007609	6.56E-10	2.28E-10	ITFG2	2.88E+00
ENSBTAG000000021336	2.07E-10	7.21E-11	KIF5A	2.87E+00
ENSBTAG000000018205	3.91E-10	1.35E-10	PHC1	2.89E+00
ENSBTAG000000003942	1.22E-10	4.19E-11	PIP4K2C	2.91E+00
ENSBTAG000000019783	3.74E-10	1.28E-10	SPSB2	2.92E+00
ENSBTAG000000013123	2.13E-10	7.32E-11	PHB2	2.91E+00
ENSBTAG000000031544	2.14E-10	7.36E-11	DDIT3	2.91E+00
ENSBTAG000000004425	3.29E-10	1.13E-10	BBS10	2.91E+00
ENSBTAG000000031111	8.68E-10	2.97E-10		2.92E+00
ENSBTAG000000030646	3.43E-10	1.17E-10	KCTD17	2.93E+00
ENSBTAG000000007674	8.59E-10	2.93E-10	ISX	2.93E+00
ENSBTAG000000006776	3.82E-10	1.30E-10	KIAA0930	2.93E+00
ENSBTAG000000007093	3.46E-10	1.16E-10	DDX11	2.98E+00
ENSBTAG000000024756	7.00E-10	2.34E-10	DENND6B	2.99E+00
ENSBTAG000000016398	5.16E-10	1.71E-10	DNAJC22	3.02E+00
ENSBTAG000000011274	2.25E-10	7.45E-11	ENO2	3.02E+00
ENSBTAG000000001392	3.19E-10	1.05E-10	RDH16	3.04E+00
ENSBTAG000000015312	2.43E-10	7.98E-11	LTBR	3.04E+00
ENSBTAG000000005311	7.36E-10	2.39E-10	POLR3H	3.08E+00
ENSBTAG000000016260	3.73E-10	1.21E-10	LRRK2	3.08E+00
ENSBTAG000000019574	4.04E-10	1.30E-10	MAPK12	3.11E+00
ENSBTAG000000012897	3.19E-10	1.01E-10	ITGA7	3.15E+00
ENSBTAG000000013912	6.50E-10	2.06E-10	TXNRD1	3.15E+00
ENSBTAG000000047191	2.07E-10	6.50E-11	KCNA6	3.18E+00
ENSBTAG000000014725	1.18E-10	3.70E-11	CD27	3.17E+00
ENSBTAG000000000379	1.41E-10	4.44E-11	GOLT1B	3.17E+00
ENSBTAG000000004587	8.90E-11	2.80E-11	DUSP6	3.17E+00

ENSBTAG00000004021	1.40E-10	4.40E-11	CDK2	3.18E+00
ENSBTAG00000032331	3.70E-11	1.17E-11	SLC48A1	3.15E+00
ENSBTAG00000045982	3.49E-10	1.10E-10		3.17E+00
ENSBTAG00000012425	4.57E-10	1.43E-10	LDOC1L	3.19E+00
ENSBTAG00000047741	2.91E-10	9.16E-11		3.18E+00
ENSBTAG00000000280	3.53E-10	1.11E-10		3.18E+00
ENSBTAG00000002693	1.27E-10	3.99E-11	KANSL2	3.17E+00
ENSBTAG00000001336	7.18E-10	2.25E-10		3.19E+00
ENSBTAG00000015646	7.35E-10	2.30E-10		3.19E+00
ENSBTAG00000012481	5.66E-10	1.77E-10	RANGAP1	3.19E+00
ENSBTAG00000022971	1.22E-09	3.76E-10		3.25E+00
ENSBTAG00000004018	2.51E-10	7.66E-11	DGKA	3.28E+00
ENSBTAG00000001161	7.84E-11	2.38E-11	FAM60A	3.28E+00
ENSBTAG00000006200	4.23E-10	1.28E-10	SLC25A17	3.30E+00
ENSBTAG00000016913	1.48E-10	4.51E-11	AVIL	3.28E+00
ENSBTAG00000014322	4.09E-10	1.24E-10	FAM234B	3.30E+00
ENSBTAG00000026880	6.65E-10	1.99E-10		3.34E+00
ENSBTAG00000013486	8.54E-10	2.53E-10	C12orf66	3.37E+00
ENSBTAG00000014966	5.71E-10	1.70E-10	PLXNB2	3.36E+00
ENSBTAG00000017401	3.79E-10	1.12E-10	TBK1	3.38E+00
ENSBTAG00000000749	1.80E-10	5.29E-11	LMNTD1	3.40E+00
ENSBTAG00000030285	1.76E-10	5.10E-11	DCP1B	3.44E+00
ENSBTAG00000017925	2.90E-10	8.41E-11	LMF2	3.44E+00
ENSBTAG00000010530	1.03E-09	2.98E-10	IAPP	3.45E+00
ENSBTAG00000023289	2.23E-10	6.47E-11		3.44E+00
ENSBTAG00000014655	6.60E-10	1.87E-10	MYO1A	3.53E+00
ENSBTAG00000039261	9.67E-11	2.71E-11	KRT2	3.56E+00
ENSBTAG00000030466	7.95E-10	2.21E-10		3.60E+00
ENSBTAG00000002708	3.31E-10	9.07E-11	MRPL42	3.65E+00
ENSBTAG00000010573	4.93E-10	1.32E-10	FAM227A	3.73E+00
ENSBTAG00000009939	1.70E-10	4.51E-11	CAND1	3.76E+00
ENSBTAG00000026088	2.71E-10	7.18E-11		3.77E+00
ENSBTAG00000020634	4.47E-10	1.17E-10	FBXO7	3.82E+00
ENSBTAG00000009051	3.22E-10	8.44E-11	MMP19	3.82E+00
ENSBTAG00000026522	8.47E-10	2.19E-10		3.87E+00
ENSBTAG00000016507	6.80E-10	1.75E-10	SERHL2	3.88E+00
ENSBTAG00000014764	3.16E-10	8.12E-11	CD9	3.89E+00
ENSBTAG00000006904	1.22E-10	3.08E-11	TNS2	3.96E+00
ENSBTAG00000008374	1.50E-10	3.77E-11	AQP2	3.96E+00
ENSBTAG00000015592	4.27E-10	1.07E-10	GPR84	3.99E+00
ENSBTAG00000038498	1.93E-10	4.86E-11	ZBTB39	3.96E+00
ENSBTAG00000030182	4.27E-10	1.07E-10	MAPK11	3.99E+00
ENSBTAG00000019281	3.13E-10	7.86E-11	MCRS1	3.97E+00
ENSBTAG00000030575	1.28E-10	3.22E-11	BHLHE41	3.96E+00
ENSBTAG00000018403	1.68E-10	4.24E-11	ARHGAP9	3.96E+00
ENSBTAG00000021083	3.12E-10	7.79E-11	RECQL	4.01E+00
ENSBTAG00000047942	4.94E-10	1.22E-10	DESI1	4.04E+00
ENSBTAG00000014525	2.68E-10	6.51E-11	SLC6A13	4.11E+00
ENSBTAG00000021807	7.02E-10	1.70E-10	TAC3	4.13E+00
ENSBTAG00000004376	1.54E-10	3.72E-11	PAN2	4.13E+00
ENSBTAG00000000021	1.98E-10	4.77E-11		4.14E+00
ENSBTAG000000008612	5.16E-10	1.24E-10	C1R	4.16E+00
ENSBTAG00000020662	2.88E-10	6.91E-11		4.17E+00
ENSBTAG00000036282	2.68E-10	6.42E-11	CCDC59	4.17E+00
ENSBTAG00000015595	3.74E-10	8.94E-11	MCM5	4.17E+00
ENSBTAG00000014156	6.66E-10	1.59E-10	AMN1	4.19E+00
ENSBTAG00000008065	6.20E-10	1.48E-10	CDPF1	4.19E+00
ENSBTAG00000030225	5.26E-10	1.25E-10		4.20E+00
ENSBTAG00000004009	4.62E-10	1.10E-10	PMM1	4.19E+00
ENSBTAG00000018530	5.90E-10	1.39E-10	TUBA8	4.24E+00
ENSBTAG00000030476	4.58E-10	1.08E-10		4.23E+00
ENSBTAG00000026657	7.82E-10	1.82E-10		4.30E+00
ENSBTAG00000019277	2.86E-10	6.64E-11	KCNH3	4.30E+00
ENSBTAG00000039170	9.72E-10	2.23E-10		4.36E+00
ENSBTAG00000013315	1.68E-10	3.84E-11	ATP5B	4.36E+00
ENSBTAG00000018003	1.25E-10	2.86E-11	ARHGEF25	4.35E+00
ENSBTAG00000020663	2.67E-10	6.09E-11	ORMDL2	4.37E+00
ENSBTAG00000005464	1.16E-10	2.66E-11	ADCY6	4.35E+00
ENSBTAG00000037775	3.07E-10	6.92E-11		4.43E+00
ENSBTAG00000020938	1.22E-10	2.71E-11	TWF1	4.50E+00

ENSBTAG00000019742	2.45E-10	5.40E-11	FOXJ2	4.52E+00
ENSBTAG00000004384	3.11E-10	6.87E-11	APOF	4.53E+00
ENSBTAG00000020179	1.48E-10	3.22E-11	AAAS	4.60E+00
ENSBTAG00000019669	2.35E-10	5.08E-11	CD163	4.61E+00
ENSBTAG00000003362	5.13E-10	1.10E-10	HSP90B1	4.66E+00
ENSBTAG00000004349	1.17E-10	2.45E-11	DAZAP2	4.75E+00
ENSBTAG00000011931	1.53E-10	3.21E-11	CD63	4.76E+00
ENSBTAG00000004494	1.42E-10	2.99E-11	B4GALNT1	4.75E+00
ENSBTAG00000026819	7.78E-11	1.63E-11	HDAC7	4.75E+00
ENSBTAG00000004532	4.09E-10	8.55E-11	FGFR1OP2	4.77E+00
ENSBTAG00000007706	1.07E-09	2.23E-10		4.80E+00
ENSBTAG00000046250	9.27E-10	1.93E-10		4.80E+00
ENSBTAG00000031146	4.87E-10	1.00E-10	PYM1	4.86E+00
ENSBTAG00000030222	4.92E-10	9.98E-11	L3MBTL2	4.93E+00
ENSBTAG00000013443	2.16E-10	4.35E-11	SDR9C7	4.96E+00
ENSBTAG00000010533	4.93E-10	9.79E-11	HMGXB4	5.03E+00
ENSBTAG00000040106	5.45E-10	1.06E-10	CHADL	5.13E+00
ENSBTAG00000021464	8.06E-11	1.56E-11	SPRYD3	5.14E+00
ENSBTAG00000037743	9.12E-10	1.75E-10		5.21E+00
ENSBTAG00000011941	6.64E-10	1.21E-10		5.48E+00
ENSBTAG00000013979	6.90E-10	1.25E-10		5.52E+00
ENSBTAG00000033292	7.47E-11	1.34E-11	SP7	5.54E+00
ENSBTAG00000019686	2.79E-10	5.01E-11	NCKAP1L	5.56E+00
ENSBTAG00000008499	3.42E-10	6.15E-11	TROAP	5.56E+00
ENSBTAG00000030472	6.14E-10	1.10E-10		5.57E+00
ENSBTAG00000027974	6.28E-10	1.12E-10		5.60E+00
ENSBTAG00000008382	3.19E-10	5.66E-11	METTL25	5.63E+00
ENSBTAG00000018207	5.12E-10	9.06E-11	M6PR	5.64E+00
ENSBTAG00000046654	5.61E-10	9.71E-11	CERK	5.77E+00
ENSBTAG00000013333	7.70E-10	1.32E-10	GYS2	5.83E+00
ENSBTAG00000040019	1.01E-09	1.70E-10		5.91E+00
ENSBTAG00000013720	1.78E-10	2.99E-11		5.94E+00
ENSBTAG00000012029	3.96E-10	6.64E-11	KLRB1	5.96E+00
ENSBTAG00000007873	1.32E-09	2.20E-10		6.01E+00
ENSBTAG00000038896	6.79E-10	1.11E-10	RPS26	6.11E+00
ENSBTAG00000016204	6.91E-10	1.10E-10	C1RL	6.28E+00
ENSBTAG00000019159	7.98E-10	1.26E-10	PVALB	6.33E+00
ENSBTAG00000002782	6.83E-10	1.08E-10	ZC3H7B	6.32E+00
ENSBTAG00000038415	5.62E-10	8.88E-11	SLC6A12	6.32E+00
ENSBTAG00000021808	7.22E-11	1.14E-11	CACNB3	6.29E+00
ENSBTAG00000018773	9.45E-11	1.49E-11	RND1	6.31E+00
ENSBTAG00000032899	6.12E-10	9.60E-11		6.37E+00
ENSBTAG00000014748	7.09E-10	1.11E-10		6.38E+00
ENSBTAG00000004337	3.28E-10	5.05E-11	PDE1B	6.48E+00
ENSBTAG00000007556	5.82E-10	8.87E-11	DYRK4	6.56E+00
ENSBTAG00000039157	6.70E-10	9.87E-11	GPR182	6.78E+00
ENSBTAG00000017465	8.25E-10	1.16E-10	GNS	7.10E+00
ENSBTAG00000001562	1.05E-10	1.46E-11	NFE2	7.12E+00
ENSBTAG00000010711	1.33E-09	1.85E-10		7.21E+00
ENSBTAG00000005365	7.72E-10	1.04E-10	OVCH1	7.42E+00
ENSBTAG00000007156	1.36E-10	1.80E-11	AGAP2	7.51E+00
ENSBTAG00000006104	7.97E-10	1.06E-10	SNU13	7.51E+00
ENSBTAG00000021633	4.50E-10	5.94E-11	TDG	7.56E+00
ENSBTAG00000016906	1.66E-10	2.09E-11	CYP27B1	7.93E+00
ENSBTAG00000009284	4.07E-10	4.94E-11	GLS2	8.22E+00
ENSBTAG00000021196	7.47E-10	8.80E-11	C12orf45	8.48E+00
ENSBTAG00000019782	2.69E-10	3.07E-11	TPI1	8.73E+00
ENSBTAG00000004840	5.07E-10	5.53E-11	C1S	9.16E+00
ENSBTAG00000032567	6.26E-10	6.83E-11	C1QL4	9.16E+00
ENSBTAG00000016912	1.22E-10	1.28E-11	TSFM	9.48E+00
ENSBTAG00000014603	4.26E-10	4.46E-11	VAMP1	9.54E+00
ENSBTAG00000030471	1.08E-09	1.12E-10		9.64E+00
ENSBTAG00000011352	6.26E-10	6.31E-11	TBC1D30	9.90E+00
ENSBTAG00000013417	3.68E-10	3.56E-11		1.03E+01
ENSBTAG00000039967	4.23E-10	3.88E-11	KRT78	1.09E+01
ENSBTAG00000021467	2.99E-10	2.68E-11	IGFBP6	1.11E+01
ENSBTAG00000038670	1.23E-09	1.10E-10	OR8S1	1.12E+01
ENSBTAG00000045770	6.70E-10	5.82E-11	KRT77	1.15E+01
ENSBTAG00000004718	1.09E-09	9.41E-11	PUS7L	1.16E+01
ENSBTAG00000017729	3.49E-10	2.93E-11	NR2C1	1.19E+01



ENSBTAG00000039425	2.66E-10	1.96E-11		1.35E+01
ENSBTAG00000038033	5.13E-10	3.79E-11		1.35E+01
ENSBTAG00000004380	4.90E-10	3.54E-11	STAT2	1.38E+01
ENSBTAG00000010223	6.02E-10	4.13E-11	NTF3	1.46E+01
ENSBTAG00000009532	2.36E-10	1.56E-11	WNT7B	1.50E+01
ENSBTAG00000014728	2.17E-10	1.36E-11	TAPBPL	1.58E+01
ENSBTAG000000021810	1.24E-10	7.07E-12	DDX23	1.72E+01
ENSBTAG00000005623	1.82E-10	9.53E-12	SOAT2	1.89E+01
ENSBTAG000000021875	4.87E-10	2.02E-11	SLC41A2	2.40E+01
ENSBTAG000000014669	6.80E-10	1.53E-11	NDUFA12	4.41E+01
ENSBTAG00000010907	9.77E-11	0	PPP1R1A	9.78E+02
ENSBTAG00000003304	7.69E-11	0	HOXC4	7.70E+02
ENSBTAG00000005606	0	0	HOXC9	1.00E+00
ENSBTAG000000002401	2.08E-10	0	NPFF	2.08E+03
ENSBTAG00000018993	1.55E-10	0	ITGB7	1.55E+03
ENSBTAG00000046481	2.58E-10	0		2.59E+03
ENSBTAG000000007829	2.00E-10	0	CSAD	2.01E+03
ENSBTAG000000047199	0	0		1.00E+00
ENSBTAG00000046601	3.34E-10	0		3.34E+03
ENSBTAG00000007158	9.10E-11	0	TSPAN31	9.11E+02
ENSBTAG00000045969	1.78E-10	0		1.78E+03
ENSBTAG00000004378	3.14E-10	0	IL23A	3.14E+03
ENSBTAG00000010799	1.58E-10	0	MYL6	1.58E+03
ENSBTAG000000046610	5.36E-10	0		5.36E+03
ENSBTAG000000017385	1.96E-10	0		1.96E+03
ENSBTAG00000013008	0	0	PMCH	1.00E+00
ENSBTAG00000016876	3.13E-10	0		3.13E+03
ENSBTAG00000002559	4.50E-11	0		4.51E+02
ENSBTAG000000012609	3.61E-10	0	SCO2	3.61E+03
ENSBTAG000000032790	1.06E-09	0		1.06E+04
ENSBTAG00000016317	6.34E-10	0		6.34E+03
ENSBTAG000000005054	1.77E-10	0		1.78E+03
ENSBTAG000000002025	0	0	AMIGO2	1.00E+00
ENSBTAG000000000237	8.94E-10	0		8.94E+03
ENSBTAG00000047920	2.16E-09	0	OR2AP1	2.16E+04
ENSBTAG000000008137	0	0		1.00E+00
ENSBTAG000000023487	1.71E-10	0	COX6B1	1.71E+03
ENSBTAG000000026610	0	0	SMCO3	1.00E+00
ENSBTAG000000030503	0	0	H2AFJ	1.00E+00
ENSBTAG000000030504	0	0		1.00E+00
ENSBTAG000000039496	0	0		1.00E+00
ENSBTAG000000030463	2.73E-10	0		2.74E+03
ENSBTAG000000030461	2.65E-10	0		2.65E+03
ENSBTAG000000046927	1.20E-10	0		1.20E+03
ENSBTAG000000030199	5.96E-10	0		5.96E+03
ENSBTAG000000047292	5.25E-10	0		5.26E+03
ENSBTAG000000024607	8.72E-11	0	OR6C75	8.73E+02
ENSBTAG000000046016	8.75E-11	0		8.76E+02
ENSBTAG000000047056	2.63E-10	0		2.63E+03
ENSBTAG000000046317	5.78E-10	0		5.78E+03
ENSBTAG000000046884	4.38E-10	0		4.38E+03
ENSBTAG000000045807	4.36E-10	0		4.36E+03
ENSBTAG000000047631	3.55E-10	0		3.56E+03
ENSBTAG00000016227	0	0	ASCL1	1.00E+00
ENSBTAG000000024874	0	4.73E-11		2.11E-03
ENSBTAG000000001751	0	9.50E-11		1.05E-03
ENSBTAG000000003766	5.50E-11	2.08E-10	BLOC1S4	2.65E-01
ENSBTAG000000046671	1.22E-10	4.58E-10	WFS1	2.67E-01
ENSBTAG000000000073	3.06E-10	1.08E-09	LRPAP1	2.84E-01
ENSBTAG000000047977	7.88E-11	2.73E-10		2.89E-01
ENSBTAG000000007923	8.62E-11	2.90E-10	LAMTOR3	2.98E-01
ENSBTAG000000039222	4.83E-10	1.47E-09		3.29E-01
ENSBTAG000000004426	8.60E-11	2.58E-10	DNAJB14	3.34E-01
ENSBTAG000000024080	2.43E-10	6.15E-10		3.96E-01
ENSBTAG000000027531	4.38E-11	1.11E-10		3.95E-01
ENSBTAG000000010185	8.01E-11	2.02E-10	TADA2B	3.97E-01
ENSBTAG000000017335	9.16E-11	2.31E-10		3.97E-01
ENSBTAG000000009059	6.16E-11	1.55E-10	PITX2	3.98E-01
ENSBTAG000000021963	5.17E-11	1.03E-10	SLAIN2	5.02E-01
ENSBTAG000000033648	4.47E-10	8.66E-10	INTS12	5.16E-01

ENSBTAG00000002333	5.26E-10	9.97E-10		5.28E-01
ENSBTAG00000014042	4.68E-11	8.86E-11	TLR10	5.29E-01
ENSBTAG00000038659	1.77E-10	3.36E-10		5.28E-01
ENSBTAG00000015259	1.10E-10	2.08E-10	NEUROG2	5.28E-01
ENSBTAG00000014680	3.14E-10	5.75E-10	ZBTB49	5.46E-01
ENSBTAG00000013699	1.52E-10	2.74E-10	TBC1D1	5.55E-01
ENSBTAG00000015729	6.85E-10	1.21E-09	ADH7	5.66E-01
ENSBTAG00000018360	1.20E-10	2.07E-10	MRPL1	5.80E-01
ENSBTAG00000015649	1.25E-10	2.11E-10	TMEM156	5.94E-01
ENSBTAG00000033160	4.08E-10	6.00E-10	FAM114A1	6.80E-01
ENSBTAG00000018638	1.08E-10	1.55E-10	CC2D2A	6.97E-01
ENSBTAG00000033214	3.46E-10	4.93E-10	TBC1D19	7.01E-01
ENSBTAG00000039213	7.51E-10	1.07E-09		7.02E-01
ENSBTAG00000002518	1.48E-10	2.07E-10	NKX6-1	7.13E-01
ENSBTAG00000031197	6.02E-10	8.37E-10	HMX1	7.19E-01
ENSBTAG00000039871	3.53E-10	4.85E-10		7.27E-01
ENSBTAG00000027453	1.42E-10	1.94E-10	RNF4	7.31E-01
ENSBTAG00000010610	3.15E-10	4.17E-10	DDIT4L	7.54E-01
ENSBTAG00000019429	2.00E-10	2.64E-10	C4orf17	7.58E-01
ENSBTAG00000003602	1.17E-10	1.54E-10	RBPJ	7.59E-01
ENSBTAG00000002205	4.92E-10	6.47E-10	CNGA1	7.60E-01
ENSBTAG00000003218	2.52E-10	3.31E-10	RAB28	7.61E-01
ENSBTAG00000006991	4.12E-10	5.39E-10	ADH6	7.64E-01
ENSBTAG00000001348	1.26E-10	1.59E-10	COMMD8	7.95E-01
ENSBTAG00000004570	1.27E-09	1.61E-09		7.91E-01
ENSBTAG00000001328	1.64E-10	2.06E-10	SLBP	7.95E-01
ENSBTAG00000034514	3.76E-10	4.74E-10		7.94E-01
ENSBTAG00000024125	6.46E-10	8.14E-10	RPS27	7.93E-01
ENSBTAG00000045966	3.50E-10	4.42E-10	GPRIN3	7.93E-01
ENSBTAG00000008947	9.55E-11	1.20E-10	TKTL2	7.96E-01
ENSBTAG00000046413	4.41E-10	5.56E-10		7.93E-01
ENSBTAG000000044166	5.38E-11	6.78E-11	PHOX2B	7.94E-01
ENSBTAG00000002895	3.78E-11	4.76E-11	ATO1H1	7.94E-01
ENSBTAG00000032425	2.51E-10	3.16E-10	PPBP	7.94E-01
ENSBTAG00000046473	2.18E-10	2.74E-10		7.94E-01
ENSBTAG00000033351	1.27E-10	1.60E-10	PACRGL	7.92E-01
ENSBTAG00000048119	1.59E-10	2.00E-10		7.93E-01
ENSBTAG00000017829	3.21E-10	4.02E-10		8.00E-01
ENSBTAG00000005055	1.85E-10	2.30E-10	TXK	8.03E-01
ENSBTAG00000000748	6.71E-10	8.32E-10	GAR1	8.06E-01
ENSBTAG00000000646	6.86E-10	8.43E-10	ANAPC4	8.14E-01
ENSBTAG00000011944	3.15E-10	3.77E-10	MTTP	8.36E-01
ENSBTAG00000017045	1.21E-09	1.43E-09	FABP2	8.44E-01
ENSBTAG000000012458	9.32E-10	1.09E-09	PSAPL1	8.55E-01
ENSBTAG00000000751	5.22E-10	6.10E-10	RRH	8.56E-01
ENSBTAG00000017073	3.73E-10	4.32E-10	HPGDS	8.63E-01
ENSBTAG00000047833	2.82E-10	3.25E-10	AFM	8.67E-01
ENSBTAG00000005773	5.11E-10	5.89E-10	PGM2	8.68E-01
ENSBTAG00000047900	3.84E-10	4.41E-10		8.70E-01
ENSBTAG00000008887	5.28E-10	6.02E-10	PAQR3	8.77E-01
ENSBTAG00000016645	3.36E-10	3.83E-10	GABRA4	8.78E-01
ENSBTAG00000004094	1.57E-10	1.79E-10	SPARCL1	8.80E-01
ENSBTAG00000006044	5.69E-10	6.43E-10	KLHL5	8.84E-01
ENSBTAG00000019716	6.34E-10	7.16E-10	IL-8	8.85E-01
ENSBTAG00000004292	4.67E-10	5.25E-10	CRMP1	8.90E-01
ENSBTAG00000002428	3.75E-10	4.21E-10	PPA2	8.92E-01
ENSBTAG00000027513	3.58E-10	4.01E-10		8.93E-01
ENSBTAG00000004227	5.24E-10	5.86E-10	TBCK	8.94E-01
ENSBTAG00000017061	2.38E-10	2.67E-10	SMARCAD1	8.93E-01
ENSBTAG00000013569	9.76E-10	1.09E-09	CD38	8.96E-01
ENSBTAG00000008255	5.42E-10	6.02E-10	QRFPR	9.00E-01
ENSBTAG00000005754	4.43E-10	4.93E-10	PPM1K	8.99E-01
ENSBTAG00000002356	1.45E-10	1.60E-10	RBM47	9.04E-01
ENSBTAG00000035129	6.69E-11	7.38E-11		9.07E-01
ENSBTAG00000027655	4.89E-10	5.36E-10	TIFA	9.13E-01
ENSBTAG00000019633	3.85E-10	4.18E-10	SHROOM3	9.21E-01
ENSBTAG00000007639	7.18E-10	7.79E-10	SDAD1	9.21E-01
ENSBTAG00000000962	2.85E-10	3.08E-10	STAP1	9.26E-01
ENSBTAG00000005062	3.52E-10	3.80E-10	TEC	9.27E-01
ENSBTAG00000027464	2.04E-10	2.20E-10	FGFRL1	9.26E-01

ENSBTAG00000014463	4.46E-10	4.80E-10	CAMK2D	9.29E-01
ENSBTAG00000034206	5.23E-10	5.63E-10	EMCN	9.29E-01
ENSBTAG00000016007	1.88E-10	2.02E-10	ADH5	9.30E-01
ENSBTAG00000009423	3.66E-10	3.92E-10	NIPAL1	9.34E-01
ENSBTAG00000019847	1.46E-10	1.55E-10		9.40E-01
ENSBTAG00000004287	2.76E-10	2.95E-10	EVC	9.35E-01
ENSBTAG00000020705	4.44E-10	4.75E-10	PRSS12	9.36E-01
ENSBTAG00000009522	3.07E-10	3.27E-10	EIF4E	9.38E-01
ENSBTAG00000013736	6.58E-10	7.02E-10	PROM1	9.37E-01
ENSBTAG00000017375	2.09E-10	2.23E-10	C4orf32	9.39E-01
ENSBTAG00000004237	5.03E-10	5.34E-10	BTC	9.42E-01
ENSBTAG00000009744	2.02E-10	2.13E-10	FAM193A	9.49E-01
ENSBTAG00000034189	3.76E-10	3.97E-10		9.48E-01
ENSBTAG00000012296	5.35E-10	5.63E-10	GABRG1	9.49E-01
ENSBTAG00000007019	3.15E-10	3.32E-10	LRIT3	9.49E-01
ENSBTAG00000008797	5.10E-10	5.37E-10		9.51E-01
ENSBTAG00000027434	7.00E-10	7.35E-10		9.52E-01
ENSBTAG00000004653	4.70E-10	4.91E-10	ADGRA3	9.56E-01
ENSBTAG00000003619	5.42E-10	5.67E-10	SEC24D	9.57E-01
ENSBTAG00000038648	2.28E-10	2.38E-10		9.59E-01
ENSBTAG00000000197	1.96E-10	2.03E-10	TRMT10A	9.66E-01
ENSBTAG00000001505	2.61E-10	2.71E-10	GRK4	9.65E-01
ENSBTAG00000003651	7.33E-10	7.54E-10	OTOP1	9.73E-01
ENSBTAG00000000599	5.75E-10	5.91E-10	CCNI	9.73E-01
ENSBTAG000000024787	4.13E-10	4.25E-10	HAUS3	9.73E-01
ENSBTAG00000014080	7.04E-10	7.23E-10	METTL14	9.74E-01
ENSBTAG00000014038	3.80E-10	3.90E-10	CDKL2	9.74E-01
ENSBTAG00000006307	6.25E-10	6.38E-10	HSD17B11	9.79E-01
ENSBTAG00000007522	2.14E-10	2.18E-10	RAP1GDS1	9.80E-01
ENSBTAG00000019427	3.31E-10	3.37E-10	KIAA0232	9.83E-01
ENSBTAG00000039384	1.22E-10	1.24E-10		9.87E-01
ENSBTAG000000046333	7.62E-11	7.68E-11		9.92E-01
ENSBTAG00000038606	2.89E-10	2.91E-10	DRD5	9.91E-01
ENSBTAG00000011961	4.24E-10	4.27E-10		9.93E-01
ENSBTAG00000037426	2.86E-10	2.88E-10		9.93E-01
ENSBTAG00000017704	6.33E-10	6.38E-10	ABCG2	9.93E-01
ENSBTAG00000021582	4.21E-10	4.22E-10	NCAPG	9.97E-01
ENSBTAG00000034875	5.20E-10	5.21E-10	ALPK1	9.98E-01
ENSBTAG00000004277	4.59E-10	4.60E-10	EVC2	9.99E-01
ENSBTAG00000005932	3.36E-10	3.35E-10	FAM184B	1.00E+00
ENSBTAG00000043960	4.26E-10	4.24E-10	MTHFD2L	1.01E+00
ENSBTAG00000012658	4.18E-10	4.16E-10	TMA16	1.01E+00
ENSBTAG00000010350	9.03E-10	8.98E-10	USP53	1.01E+00
ENSBTAG00000005493	5.21E-10	5.17E-10	TBC1D14	1.01E+00
ENSBTAG00000040228	5.24E-10	5.18E-10		1.01E+00
ENSBTAG00000019441	5.81E-10	5.70E-10	MED28	1.02E+00
ENSBTAG00000011163	1.68E-10	1.64E-10	CYTL1	1.02E+00
ENSBTAG00000039645	4.08E-10	4.00E-10		1.02E+00
ENSBTAG00000016714	3.61E-10	3.53E-10		1.02E+00
ENSBTAG00000020598	2.17E-10	2.12E-10	PPP2R2C	1.02E+00
ENSBTAG00000004988	1.61E-10	1.56E-10	CCKAR	1.03E+00
ENSBTAG00000035764	3.24E-10	3.16E-10		1.03E+00
ENSBTAG00000014031	6.05E-10	5.91E-10	TLR6	1.02E+00
ENSBTAG00000006643	3.25E-10	3.17E-10	C4orf19	1.03E+00
ENSBTAG00000005989	5.30E-10	5.17E-10	LAP3	1.03E+00
ENSBTAG00000002574	2.52E-10	2.45E-10	MYOZ2	1.03E+00
ENSBTAG00000032947	3.97E-10	3.85E-10	GRXCR1	1.03E+00
ENSBTAG00000021347	4.38E-10	4.24E-10	CWH43	1.03E+00
ENSBTAG00000015919	2.10E-10	2.02E-10	PARM1	1.04E+00
ENSBTAG00000006561	5.76E-10	5.55E-10	RASGEF1B	1.04E+00
ENSBTAG00000017808	6.72E-10	6.46E-10	AR SJ	1.04E+00
ENSBTAG00000010389	3.87E-10	3.73E-10	STBD1	1.04E+00
ENSBTAG000000046561	3.10E-10	2.99E-10	LCORL	1.04E+00
ENSBTAG00000035319	1.05E-09	1.01E-09	MAD2L1	1.04E+00
ENSBTAG00000008332	2.18E-10	2.09E-10	ENPEP	1.04E+00
ENSBTAG00000044082	4.52E-10	4.32E-10	01-Mar	1.05E+00
ENSBTAG00000047743	4.55E-10	4.32E-10	KCNIP4	1.05E+00
ENSBTAG00000015230	5.38E-10	5.12E-10	PLA2G12A	1.05E+00
ENSBTAG00000011170	4.05E-10	3.84E-10	JAKMIP1	1.05E+00
ENSBTAG00000031395	2.47E-10	2.33E-10	C4orf48	1.06E+00

ENSBTAG00000023000	4.10E-10	3.87E-10		1.06E+00
ENSBTAG00000033327	6.56E-10	6.19E-10		1.06E+00
ENSBTAG00000024888	5.20E-10	4.91E-10	PDE5A	1.06E+00
ENSBTAG00000003653	3.14E-10	2.96E-10	LYAR	1.06E+00
ENSBTAG00000010564	2.94E-10	2.76E-10	ELOVL6	1.07E+00
ENSBTAG00000020363	3.17E-10	2.97E-10	GBA3	1.07E+00
ENSBTAG00000020525	1.88E-10	1.76E-10	SEC31A	1.07E+00
ENSBTAG00000002084	4.92E-10	4.61E-10	UNC5C	1.07E+00
ENSBTAG00000000438	5.33E-10	4.98E-10	GNRHR	1.07E+00
ENSBTAG00000001491	4.11E-10	3.84E-10	NWD2	1.07E+00
ENSBTAG00000010343	1.78E-10	1.66E-10	C1QTNF7	1.07E+00
ENSBTAG00000017296	6.94E-10	6.45E-10	POLN	1.08E+00
ENSBTAG00000022205	9.28E-10	8.62E-10		1.08E+00
ENSBTAG000000038340	6.24E-10	5.79E-10	CLNK	1.08E+00
ENSBTAG00000008896	1.49E-10	1.38E-10	DHX15	1.08E+00
ENSBTAG00000004921	6.71E-10	6.21E-10		1.08E+00
ENSBTAG000000017390	1.10E-10	1.02E-10	LGJ2	1.07E+00
ENSBTAG00000017682	2.35E-10	2.17E-10	TET2	1.08E+00
ENSBTAG00000012537	2.20E-10	2.03E-10	CASP6	1.08E+00
ENSBTAG00000010677	3.56E-10	3.28E-10	LIMCH1	1.08E+00
ENSBTAG00000021214	2.14E-10	1.96E-10	FBXL5	1.09E+00
ENSBTAG00000007921	2.34E-10	2.15E-10	DAPP1	1.09E+00
ENSBTAG00000004329	2.94E-10	2.69E-10	RELL1	1.09E+00
ENSBTAG00000021746	1.01E-09	9.18E-10	ANXA5	1.10E+00
ENSBTAG00000001506	3.68E-10	3.35E-10	HTT	1.10E+00
ENSBTAG00000019451	1.58E-10	1.43E-10	TAPT1	1.10E+00
ENSBTAG00000019808	4.21E-10	3.81E-10	CCSER1	1.11E+00
ENSBTAG00000015297	4.28E-10	3.85E-10		1.11E+00
ENSBTAG00000011156	3.87E-10	3.48E-10	ATP8A1	1.11E+00
ENSBTAG00000034139	6.35E-10	5.71E-10	ADH4	1.11E+00
ENSBTAG00000017028	2.19E-10	1.96E-10	USO1	1.12E+00
ENSBTAG00000017024	2.90E-10	2.59E-10	PPARGC1A	1.12E+00
ENSBTAG00000004230	1.24E-09	1.11E-09	AIMP1	1.12E+00
ENSBTAG00000013198	1.27E-10	1.13E-10		1.13E+00
ENSBTAG00000003131	6.16E-10	5.48E-10	NDST4	1.12E+00
ENSBTAG00000013980	4.28E-10	3.80E-10	SOD3	1.13E+00
ENSBTAG00000004945	5.93E-10	5.26E-10	BBS7	1.13E+00
ENSBTAG00000009632	1.81E-10	1.60E-10	LARP7	1.13E+00
ENSBTAG00000012464	4.85E-10	4.29E-10	AFAP1	1.13E+00
ENSBTAG000000007189	2.28E-10	2.00E-10	RCHY1	1.14E+00
ENSBTAG00000004052	2.97E-10	2.57E-10	EPGN	1.16E+00
ENSBTAG00000007568	2.52E-10	2.18E-10	MEPE	1.16E+00
ENSBTAG00000004574	4.67E-10	4.01E-10	UGT8	1.16E+00
ENSBTAG00000002201	1.90E-10	1.63E-10	NFXL1	1.17E+00
ENSBTAG00000026936	2.14E-10	1.82E-10		1.17E+00
ENSBTAG00000010945	2.44E-10	2.08E-10	SEC24B	1.17E+00
ENSBTAG00000008479	4.74E-10	4.03E-10	CXCL13	1.18E+00
ENSBTAG00000015926	5.53E-10	4.69E-10	ABLIM2	1.18E+00
ENSBTAG00000019353	1.24E-10	1.05E-10	STIM2	1.18E+00
ENSBTAG00000006434	3.90E-10	3.30E-10	SYNPO2	1.18E+00
ENSBTAG00000019478	7.42E-10	6.25E-10	NAAA	1.19E+00
ENSBTAG00000015252	9.18E-11	7.71E-11	CHRNA9	1.19E+00
ENSBTAG00000013996	2.88E-10	2.41E-10	SH3BP2	1.19E+00
ENSBTAG00000002330	5.20E-10	4.36E-10		1.19E+00
ENSBTAG000000047891	6.36E-10	5.30E-10	GIMD1	1.20E+00
ENSBTAG00000010956	8.17E-10	6.81E-10	SCARB2	1.20E+00
ENSBTAG00000019359	3.40E-10	2.82E-10		1.21E+00
ENSBTAG00000014947	4.41E-10	3.66E-10	PTPN13	1.21E+00
ENSBTAG00000009673	6.36E-10	5.24E-10	SLC9B1	1.21E+00
ENSBTAG00000006986	6.93E-10	5.70E-10		1.22E+00
ENSBTAG00000018106	1.96E-10	1.61E-10	SPATA18	1.22E+00
ENSBTAG00000001126	3.48E-10	2.86E-10		1.22E+00
ENSBTAG000000000175	2.34E-10	1.92E-10	N4BP2	1.22E+00
ENSBTAG00000018134	2.70E-10	2.21E-10	AREG	1.22E+00
ENSBTAG00000011187	2.65E-10	2.17E-10	FAM13A	1.22E+00
ENSBTAG00000006686	4.44E-10	3.62E-10	NPNT	1.23E+00
ENSBTAG00000007449	2.92E-10	2.39E-10	HS3ST1	1.22E+00
ENSBTAG00000006492	2.11E-10	1.71E-10		1.23E+00
ENSBTAG00000020538	2.47E-10	2.00E-10	HERC5	1.24E+00
ENSBTAG00000010611	2.50E-10	2.03E-10	OCIAD1	1.23E+00

ENSBTAG00000005712	3.42E-10	2.76E-10	STX18	1.24E+00
ENSBTAG00000019188	3.95E-10	3.17E-10	GAK	1.25E+00
ENSBTAG00000004943	1.48E-10	1.18E-10	CCNA2	1.25E+00
ENSBTAG00000000137	1.46E-10	1.17E-10	FRYL	1.25E+00
ENSBTAG00000015409	2.58E-10	2.06E-10		1.25E+00
ENSBTAG00000010284	1.91E-10	1.53E-10	ETNPPL	1.25E+00
ENSBTAG00000047876	9.21E-10	7.35E-10	SH3TC1	1.25E+00
ENSBTAG00000012995	4.35E-10	3.47E-10	MCUB	1.25E+00
ENSBTAG00000020175	1.44E-10	1.14E-10	UBE2K	1.26E+00
ENSBTAG00000014522	3.74E-10	2.96E-10	SMIM14	1.26E+00
ENSBTAG00000004040	1.01E-09	8.01E-10	UGT2A3	1.26E+00
ENSBTAG00000006508	8.19E-10	6.48E-10		1.26E+00
ENSBTAG00000001545	5.08E-10	4.02E-10	SLC34A2	1.26E+00
ENSBTAG00000014058	5.35E-10	4.23E-10	LDB2	1.26E+00
ENSBTAG00000015209	1.15E-10	9.05E-11	MXD4	1.27E+00
ENSBTAG00000020108	3.50E-10	2.73E-10	LETM1	1.28E+00
ENSBTAG00000004353	1.86E-10	1.45E-10	CNOT6L	1.28E+00
ENSBTAG00000002392	1.57E-10	1.22E-10		1.29E+00
ENSBTAG00000011817	4.02E-10	3.11E-10		1.29E+00
ENSBTAG00000010716	4.36E-10	3.37E-10	FRAS1	1.29E+00
ENSBTAG00000010153	3.29E-10	2.54E-10	ANXA3	1.29E+00
ENSBTAG00000012818	3.69E-10	2.84E-10	PDLIM5	1.30E+00
ENSBTAG00000006844	2.58E-10	1.98E-10	LEF1	1.30E+00
ENSBTAG000000047514	4.94E-10	3.80E-10		1.30E+00
ENSBTAG00000017480	1.96E-10	1.50E-10	PDE6B	1.30E+00
ENSBTAG00000027630	3.46E-10	2.65E-10	CISD2	1.31E+00
ENSBTAG00000017282	2.36E-10	1.80E-10	COL25A1	1.31E+00
ENSBTAG00000016005	3.29E-10	2.50E-10	PPP3CA	1.32E+00
ENSBTAG00000002199	2.91E-10	2.21E-10	CORIN	1.32E+00
ENSBTAG00000016004	1.34E-10	1.02E-10	METAP1	1.32E+00
ENSBTAG00000019362	1.99E-10	1.50E-10	NOA1	1.33E+00
ENSBTAG00000010273	1.99E-10	1.50E-10	EREG	1.33E+00
ENSBTAG00000021130	2.12E-10	1.60E-10	MFSD10	1.32E+00
ENSBTAG00000010875	9.53E-11	7.20E-11	MSX1	1.32E+00
ENSBTAG00000031497	1.38E-10	1.04E-10	FGFBP1	1.33E+00
ENSBTAG00000001504	4.65E-10	3.51E-10	NOPI4	1.32E+00
ENSBTAG00000005108	2.68E-10	2.02E-10	SLIT2	1.33E+00
ENSBTAG00000013927	3.53E-10	2.63E-10	GSTCD	1.34E+00
ENSBTAG00000000470	1.61E-10	1.20E-10	IBSP	1.34E+00
ENSBTAG00000003643	7.64E-10	5.67E-10		1.35E+00
ENSBTAG00000000061	4.96E-10	3.65E-10	PCDH7	1.36E+00
ENSBTAG00000014226	2.15E-10	1.58E-10	RPL34	1.36E+00
ENSBTAG00000024683	2.10E-10	1.55E-10		1.36E+00
ENSBTAG00000010120	2.86E-10	2.10E-10	HERC3	1.36E+00
ENSBTAG00000014521	4.78E-10	3.51E-10	UGDH	1.36E+00
ENSBTAG00000010546	8.70E-11	6.35E-11	LIN54	1.37E+00
ENSBTAG00000003941	6.88E-10	5.02E-10	APIAR	1.37E+00
ENSBTAG000000045787	2.66E-10	1.94E-10	CDS1	1.37E+00
ENSBTAG00000034700	2.95E-10	2.14E-10	NAF1	1.38E+00
ENSBTAG00000014515	4.10E-10	2.97E-10		1.38E+00
ENSBTAG00000010571	4.51E-10	3.28E-10	PPAT	1.38E+00
ENSBTAG000000043958	3.76E-10	2.72E-10	TMEM33	1.38E+00
ENSBTAG00000038148	2.46E-10	1.77E-10	SOWAHB	1.39E+00
ENSBTAG00000007316	2.26E-10	1.62E-10	NDST3	1.39E+00
ENSBTAG00000014520	1.45E-10	1.04E-10	LIAS	1.39E+00
ENSBTAG00000007190	2.47E-10	1.76E-10	THAP6	1.40E+00
ENSBTAG00000005711	6.34E-10	4.46E-10		1.42E+00
ENSBTAG00000006507	5.43E-10	3.81E-10	ADAMTS3	1.43E+00
ENSBTAG00000037558	3.53E-10	2.47E-10		1.43E+00
ENSBTAG00000001725	3.14E-10	2.20E-10	CXCL10	1.43E+00
ENSBTAG00000009833	5.98E-10	4.18E-10	DTHD1	1.43E+00
ENSBTAG00000020647	1.65E-10	1.16E-10	RASL11B	1.42E+00
ENSBTAG00000017496	4.79E-10	3.35E-10		1.43E+00
ENSBTAG00000014616	1.62E-10	1.13E-10	SEPSECS	1.44E+00
ENSBTAG00000048273	3.24E-10	2.24E-10		1.45E+00
ENSBTAG00000012157	5.43E-10	3.75E-10	CCDC158	1.45E+00
ENSBTAG00000022449	5.79E-10	3.99E-10	SCD5	1.45E+00
ENSBTAG00000003959	2.94E-10	2.02E-10	ARHGAP24	1.45E+00
ENSBTAG00000001839	4.59E-10	3.15E-10	OCIAD2	1.46E+00
ENSBTAG00000009035	9.45E-10	6.47E-10	CENPE	1.46E+00

ENSBTAG00000021729	1.03E-09	7.01E-10		1.46E+00
ENSBTAG00000018488	4.89E-10	3.33E-10	AFF1	1.47E+00
ENSBTAG00000004893	7.31E-10	4.95E-10	ACOX3	1.48E+00
ENSBTAG00000017240	2.78E-10	1.88E-10	DGKQ	1.48E+00
ENSBTAG00000021768	2.04E-10	1.38E-10	CCNG2	1.48E+00
ENSBTAG00000009070	1.72E-10	1.16E-10	NPFRR2	1.48E+00
ENSBTAG00000005745	8.13E-10	5.43E-10	HPSE	1.50E+00
ENSBTAG00000015126	7.24E-10	4.83E-10	TNIP2	1.50E+00
ENSBTAG00000000473	2.89E-10	1.92E-10	ATP10D	1.51E+00
ENSBTAG00000010954	3.59E-10	2.38E-10	ART3	1.51E+00
ENSBTAG00000018531	1.66E-10	1.10E-10	JCHAIN	1.51E+00
ENSBTAG00000010285	3.37E-10	2.23E-10	MMRN1	1.51E+00
ENSBTAG00000014076	3.69E-10	2.44E-10	FAM175A	1.51E+00
ENSBTAG000000039197	8.40E-10	5.53E-10	SLC2A9	1.52E+00
ENSBTAG00000014324	2.28E-10	1.50E-10	ANTXR2	1.52E+00
ENSBTAG00000009438	4.08E-10	2.68E-10	EPHA5	1.52E+00
ENSBTAG00000020536	4.56E-10	2.97E-10	HERC6	1.53E+00
ENSBTAG000000034501	3.30E-10	2.13E-10	CFI	1.55E+00
ENSBTAG00000016805	7.08E-10	4.59E-10	SGMS2	1.54E+00
ENSBTAG00000010346	1.56E-10	1.01E-10	ENAM	1.54E+00
ENSBTAG000000047613	6.81E-10	4.40E-10	HTRA3	1.55E+00
ENSBTAG000000040088	8.75E-10	5.64E-10	SLC9B2	1.55E+00
ENSBTAG00000005964	2.70E-10	1.74E-10	PIGG	1.55E+00
ENSBTAG00000013952	2.34E-10	1.50E-10	HNRNPD	1.56E+00
ENSBTAG00000020583	2.94E-10	1.89E-10	AASDH	1.56E+00
ENSBTAG000000027569	3.74E-10	2.38E-10	APBB2	1.57E+00
ENSBTAG000000047255	3.91E-10	2.48E-10		1.58E+00
ENSBTAG00000011935	3.72E-10	2.36E-10	RASSF6	1.57E+00
ENSBTAG00000003776	1.38E-10	8.71E-11	MSANTD1	1.59E+00
ENSBTAG000000047586	1.92E-10	1.21E-10	NPY1R	1.58E+00
ENSBTAG00000021372	5.30E-10	3.34E-10	11-Sep	1.59E+00
ENSBTAG00000015265	1.04E-10	6.54E-11	TIGD2	1.59E+00
ENSBTAG00000010128	2.55E-10	1.61E-10	NAP1L5	1.59E+00
ENSBTAG00000009812	7.75E-11	4.88E-11		1.59E+00
ENSBTAG000000047198	4.82E-10	3.03E-10		1.59E+00
ENSBTAG000000046440	1.44E-10	9.07E-11	TRAM1L1	1.59E+00
ENSBTAG000000004888	2.73E-11	1.72E-11	SLC10A4	1.58E+00
ENSBTAG00000005603	2.58E-10	1.63E-10	CXCL11	1.58E+00
ENSBTAG000000045839	5.96E-10	3.75E-10		1.59E+00
ENSBTAG000000048196	1.42E-10	8.93E-11		1.59E+00
ENSBTAG000000035776	4.95E-10	3.11E-10	C4orf22	1.59E+00
ENSBTAG00000012575	2.33E-10	1.47E-10	MAEA	1.59E+00
ENSBTAG00000026250	1.23E-10	7.77E-11	PDHA2	1.59E+00
ENSBTAG00000006837	2.32E-10	1.44E-10	UBA6	1.61E+00
ENSBTAG00000020048	6.53E-10	4.01E-10	MAPK10	1.63E+00
ENSBTAG00000010181	2.16E-10	1.32E-10	GRPEL1	1.63E+00
ENSBTAG000000033346	9.61E-11	5.87E-11		1.64E+00
ENSBTAG000000005567	7.10E-11	4.29E-11	BEND4	1.65E+00
ENSBTAG00000005668	4.38E-10	2.61E-10	SLC39A8	1.68E+00
ENSBTAG000000045714	2.78E-10	1.64E-10		1.69E+00
ENSBTAG00000006156	6.49E-10	3.80E-10	BST1	1.71E+00
ENSBTAG00000020031	1.89E-10	1.11E-10	PKD2	1.70E+00
ENSBTAG00000003652	2.31E-10	1.35E-10	TMEM128	1.71E+00
ENSBTAG00000015047	8.06E-10	4.70E-10		1.72E+00
ENSBTAG00000007986	2.89E-10	1.68E-10	WHSC1	1.72E+00
ENSBTAG000000034411	2.99E-10	1.74E-10	SHISA3	1.72E+00
ENSBTAG00000001600	2.24E-10	1.30E-10		1.72E+00
ENSBTAG00000016795	2.43E-10	1.40E-10	RUFY3	1.73E+00
ENSBTAG00000002049	5.61E-10	3.24E-10	HADH	1.73E+00
ENSBTAG000000039991	5.27E-10	3.02E-10		1.74E+00
ENSBTAG00000012397	1.76E-10	9.95E-11	DCK	1.77E+00
ENSBTAG00000017921	3.49E-10	1.98E-10	NELFA	1.76E+00
ENSBTAG000000031750	2.31E-10	1.31E-10	PLAC8	1.76E+00
ENSBTAG000000039362	5.20E-10	2.93E-10		1.78E+00
ENSBTAG000000031364	3.10E-10	1.74E-10		1.78E+00
ENSBTAG00000014512	3.59E-10	2.00E-10	WDR19	1.79E+00
ENSBTAG00000013451	2.51E-10	1.39E-10	RHOH	1.80E+00
ENSBTAG00000014041	8.50E-11	4.63E-11	G3BP2	1.83E+00
ENSBTAG00000011042	1.31E-10	7.05E-11	TMEM129	1.85E+00
ENSBTAG00000012343	4.95E-10	2.67E-10	TSPAN5	1.85E+00

ENSBTAG0000001603	5.41E-10	2.91E-10	YIPF7	1.86E+00
ENSBTAG00000011611	6.27E-10	3.36E-10	OSTC	1.87E+00
ENSBTAG00000038421	7.52E-10	4.01E-10	NPY5R	1.88E+00
ENSBTAG00000012111	4.22E-10	2.25E-10	PRDM5	1.87E+00
ENSBTAG00000006683	3.97E-10	2.10E-10	ZFYVE28	1.89E+00
ENSBTAG00000002081	4.51E-10	2.39E-10	BMPR1B	1.89E+00
ENSBTAG00000015449	6.07E-10	3.21E-10	PPEF2	1.89E+00
ENSBTAG00000003443	1.16E-10	6.11E-11	USP46	1.90E+00
ENSBTAG00000007001	3.87E-10	2.03E-10	SLC26A1	1.91E+00
ENSBTAG00000017592	6.23E-10	3.23E-10	GPAT3	1.93E+00
ENSBTAG00000019366	6.26E-10	3.22E-10	POLR2B	1.94E+00
ENSBTAG00000017131	1.67E-10	8.62E-11	AFP	1.94E+00
ENSBTAG00000002928	4.30E-10	2.20E-10	AMTN	1.95E+00
ENSBTAG00000011952	5.46E-10	2.77E-10	SULT1E1	1.97E+00
ENSBTAG00000001323	2.60E-10	1.30E-10	CENPC	2.00E+00
ENSBTAG00000003897	2.77E-10	1.38E-10		2.00E+00
ENSBTAG00000017121	1.70E-10	8.43E-11	ALB	2.01E+00
ENSBTAG00000017837	3.70E-10	1.83E-10	GABRB1	2.02E+00
ENSBTAG00000013495	1.85E-10	8.92E-11	WDFY3	2.07E+00
ENSBTAG00000002526	8.64E-10	4.15E-10	BDH2	2.08E+00
ENSBTAG00000038520	6.28E-10	3.02E-10		2.08E+00
ENSBTAG00000002455	1.86E-10	8.93E-11	KLHL8	2.09E+00
ENSBTAG00000038639	1.41E-10	6.67E-11	CXCL9	2.12E+00
ENSBTAG000000020658	6.62E-10	3.13E-10	LNX1	2.11E+00
ENSBTAG000000002978	9.48E-10	4.48E-10	PRKG2	2.12E+00
ENSBTAG00000013918	3.44E-10	1.62E-10	ADGRL3	2.12E+00
ENSBTAG00000011044	2.40E-10	1.12E-10		2.14E+00
ENSBTAG00000017809	1.10E-10	5.05E-11	PDS5A	2.17E+00
ENSBTAG00000007164	2.73E-10	1.25E-10	FGFR3	2.18E+00
ENSBTAG000000039245	5.45E-10	2.49E-10	GK2	2.19E+00
ENSBTAG00000011789	2.86E-10	1.28E-10		2.24E+00
ENSBTAG000000016247	5.63E-10	2.51E-10	TACR3	2.24E+00
ENSBTAG000000003357	2.18E-10	9.51E-11	CLRN2	2.29E+00
ENSBTAG000000024957	4.36E-10	1.89E-10	SNCA	2.30E+00
ENSBTAG00000001572	1.47E-10	6.34E-11	NSUN7	2.32E+00
ENSBTAG000000020648	4.18E-10	1.78E-10	SCFD2	2.35E+00
ENSBTAG000000005260	1.40E-10	5.89E-11	SPP1	2.38E+00
ENSBTAG00000010896	1.97E-10	8.25E-11	NKX3-2	2.38E+00
ENSBTAG00000018155	3.97E-10	1.66E-10	MRPS18C	2.39E+00
ENSBTAG000000005005	2.80E-10	1.17E-10		2.39E+00
ENSBTAG00000018379	3.71E-10	1.56E-10	TMEM175	2.38E+00
ENSBTAG00000019490	3.30E-10	1.38E-10		2.39E+00
ENSBTAG00000012969	3.64E-10	1.52E-10	DKK2	2.39E+00
ENSBTAG00000019761	6.35E-10	2.64E-10	MANBA	2.40E+00
ENSBTAG00000014803	5.00E-10	2.08E-10	CPZ	2.40E+00
ENSBTAG00000009742	3.63E-10	1.50E-10	DOK7	2.42E+00
ENSBTAG000000032588	9.09E-10	3.73E-10	TMEM150C	2.44E+00
ENSBTAG000000005744	9.89E-10	4.04E-10	COQ2	2.45E+00
ENSBTAG00000002348	3.41E-10	1.39E-10	SLC4A4	2.45E+00
ENSBTAG00000012577	4.39E-10	1.79E-10	UVSSA	2.45E+00
ENSBTAG00000007240	3.41E-10	1.39E-10	ZCCHC4	2.45E+00
ENSBTAG000000020298	2.03E-10	8.24E-11	TMPRSS11A	2.46E+00
ENSBTAG00000014517	3.06E-10	1.24E-10	KLB	2.47E+00
ENSBTAG00000004316	3.35E-10	1.33E-10	BOD1L1	2.52E+00
ENSBTAG00000000782	3.53E-10	1.40E-10	KDR	2.52E+00
ENSBTAG00000014518	2.76E-10	1.08E-10		2.55E+00
ENSBTAG00000013718	6.66E-10	2.60E-10	GC	2.56E+00
ENSBTAG00000021940	3.19E-10	1.24E-10	CCDC149	2.57E+00
ENSBTAG00000010577	6.31E-10	2.45E-10		2.58E+00
ENSBTAG000000002299	5.01E-10	1.94E-10	SEL1L3	2.58E+00
ENSBTAG00000016290	2.49E-10	9.42E-11	MOB1B	2.64E+00
ENSBTAG00000001925	6.23E-10	2.35E-10	TMPRSS11D	2.65E+00
ENSBTAG00000007002	3.90E-10	1.46E-10	IDUA	2.67E+00
ENSBTAG00000021128	5.56E-10	2.08E-10	ADD1	2.67E+00
ENSBTAG00000014017	2.90E-10	1.08E-10		2.68E+00
ENSBTAG00000017488	1.65E-10	6.11E-11	KLF3	2.70E+00
ENSBTAG000000044161	8.45E-10	3.08E-10	NMU	2.74E+00
ENSBTAG00000020541	2.05E-10	7.37E-11	PYURF	2.78E+00
ENSBTAG00000019849	2.74E-10	9.86E-11	CABS1	2.78E+00
ENSBTAG00000019368	4.27E-10	1.53E-10	IGFBP7	2.79E+00

ENSBTAG00000020270	4.87E-10	1.75E-10	NFKB1	2.78E+00
ENSBTAG00000004942	2.25E-10	8.09E-11	EXOSC9	2.78E+00
ENSBTAG00000004412	6.50E-10	2.32E-10	TMPRSS11F	2.80E+00
ENSBTAG00000020653	1.83E-10	6.48E-11	FIP1L1	2.82E+00
ENSBTAG00000022450	2.03E-10	6.86E-11	THAP9	2.95E+00
ENSBTAG00000010955	1.81E-10	6.07E-11	NUP54	2.98E+00
ENSBTAG00000031553	3.28E-10	1.06E-10	MFSD7	3.09E+00
ENSBTAG00000012961	3.93E-10	1.27E-10		3.10E+00
ENSBTAG00000032350	5.52E-10	1.78E-10		3.10E+00
ENSBTAG00000002247	2.22E-10	7.06E-11		3.14E+00
ENSBTAG00000011354	2.17E-10	6.91E-11	NUDT9	3.14E+00
ENSBTAG00000019584	6.58E-10	2.08E-10		3.16E+00
ENSBTAG00000009310	2.30E-10	7.24E-11	UTP3	3.18E+00
ENSBTAG00000046936	1.56E-10	4.91E-11	MRFAP1	3.17E+00
ENSBTAG00000010634	4.09E-10	1.29E-10	NDNF	3.17E+00
ENSBTAG00000040324	2.74E-10	8.62E-11		3.18E+00
ENSBTAG00000038232	2.24E-09	6.94E-10		3.22E+00
ENSBTAG00000013607	3.77E-10	1.17E-10	WDR1	3.22E+00
ENSBTAG00000000285	3.21E-10	9.67E-11	GUF1	3.32E+00
ENSBTAG00000015572	2.09E-10	6.23E-11	YTHDC1	3.35E+00
ENSBTAG00000012972	3.93E-10	1.15E-10	CYP2U1	3.42E+00
ENSBTAG00000000287	1.78E-10	5.09E-11	GNPDA2	3.49E+00
ENSBTAG00000002632	6.37E-10	1.82E-10	CSN2	3.50E+00
ENSBTAG00000008577	3.43E-10	9.40E-11	GRSF1	3.65E+00
ENSBTAG00000006950	3.15E-10	8.55E-11	COPS4	3.68E+00
ENSBTAG00000014913	5.86E-10	1.55E-10	SRD5A3	3.78E+00
ENSBTAG00000010593	6.83E-10	1.81E-10	SRP72	3.77E+00
ENSBTAG00000027825	7.33E-10	1.90E-10		3.86E+00
ENSBTAG00000014601	1.79E-10	4.58E-11	SGCB	3.90E+00
ENSBTAG00000004428	3.10E-10	7.80E-11	H2AFZ	3.97E+00
ENSBTAG00000019132	5.63E-10	1.41E-10	DMP1	3.99E+00
ENSBTAG00000004793	1.45E-10	3.65E-11	AMBN	3.96E+00
ENSBTAG00000009849	4.20E-10	1.04E-10		4.03E+00
ENSBTAG00000024826	7.26E-10	1.79E-10	TECRL	4.05E+00
ENSBTAG00000040398	6.78E-10	1.67E-10	MGC148692	4.06E+00
ENSBTAG00000004912	1.25E-10	2.96E-11	ANKRD17	4.20E+00
ENSBTAG00000032560	9.08E-10	2.10E-10		4.32E+00
ENSBTAG00000039922	4.61E-10	1.02E-10	ARAP2	4.52E+00
ENSBTAG00000044044	3.04E-10	6.67E-11	CLOCK	4.56E+00
ENSBTAG000000031679	4.55E-10	9.95E-11	HSD17B13	4.57E+00
ENSBTAG00000004797	8.70E-10	1.82E-10	TRMT44	4.78E+00
ENSBTAG00000045812	6.17E-10	1.29E-10	GSX2	4.78E+00
ENSBTAG00000020367	2.58E-10	5.32E-11	SLC30A9	4.83E+00
ENSBTAG00000009471	8.19E-10	1.57E-10	CEP135	5.21E+00
ENSBTAG00000005394	1.56E-10	2.95E-11	COX18	5.28E+00
ENSBTAG00000020570	2.38E-10	4.49E-11		5.29E+00
ENSBTAG00000008480	2.83E-10	5.27E-11	CTBP1	5.36E+00
ENSBTAG00000018151	3.39E-10	6.08E-11		5.56E+00
ENSBTAG00000032660	5.29E-10	9.20E-11	CHIC2	5.74E+00
ENSBTAG00000002699	5.73E-10	9.29E-11	KIT	6.17E+00
ENSBTAG00000001249	6.66E-10	1.07E-10	SULT1B1	6.22E+00
ENSBTAG00000001269	3.44E-10	5.50E-11	TMEM165	6.24E+00
ENSBTAG00000001772	5.09E-10	8.09E-11	PDCL2	6.28E+00
ENSBTAG00000048013	3.06E-10	4.68E-11		6.52E+00
ENSBTAG00000010615	7.46E-10	1.14E-10		6.54E+00
ENSBTAG00000017642	6.17E-10	9.38E-11	BMP3	6.57E+00
ENSBTAG00000040337	5.65E-10	8.47E-11		6.67E+00
ENSBTAG00000017348	1.83E-10	2.71E-11	FGF5	6.75E+00
ENSBTAG00000045602	4.26E-10	6.11E-11		6.96E+00
ENSBTAG00000048250	8.53E-10	1.19E-10		7.16E+00
ENSBTAG00000037613	5.37E-10	6.93E-11		7.74E+00
ENSBTAG00000000872	4.70E-10	5.90E-11		7.96E+00
ENSBTAG00000005078	6.34E-10	7.94E-11	UCHL1	7.97E+00
ENSBTAG00000015464	1.19E-09	1.23E-10		9.64E+00
ENSBTAG00000007695	7.42E-10	7.65E-11	CSN1S1	9.69E+00
ENSBTAG00000037778	5.71E-10	5.11E-11		1.11E+01
ENSBTAG00000045917	9.12E-10	7.60E-11		1.20E+01
ENSBTAG00000014805	9.40E-10	7.76E-11	ENOPH1	1.21E+01
ENSBTAG00000007173	6.74E-10	5.40E-11	PDGFRA	1.25E+01
ENSBTAG00000039787	6.83E-10	5.03E-11	CSN3	1.35E+01



ENSBTAG00000003523	8.16E-10	5.58E-11		1.46E+01
ENSBTAG000000039647	6.61E-10	4.26E-11		1.55E+01
ENSBTAG000000032637	9.50E-10	6.07E-11	EXOC1	1.56E+01
ENSBTAG000000040333	6.95E-10	3.81E-11	QDPR	1.82E+01
ENSBTAG000000014804	6.01E-10	3.14E-11	HNRNPDL	1.91E+01
ENSBTAG000000014599	6.20E-10	2.43E-11	LRRC66	2.54E+01
ENSBTAG000000025920	3.69E-10	1.23E-11		2.98E+01
ENSBTAG000000038214	7.61E-10	1.97E-11		3.84E+01
ENSBTAG00000004886	7.93E-11	0	ZAR1	7.94E+02
ENSBTAG000000006810	5.67E-10	0	ODAM	5.67E+03
ENSBTAG000000004261	2.27E-10	0	SPON2	2.27E+03
ENSBTAG000000047810	6.40E-11	0	CCDC96	6.41E+02
ENSBTAG000000034844	0	0	RPL39	1.00E+00
ENSBTAG000000034849	1.08E-09	0		1.08E+04
ENSBTAG000000038368	3.55E-10	0	SNRPG	3.56E+03
ENSBTAG000000046949	0	0		1.00E+00
ENSBTAG000000047821	0	0		1.00E+00
ENSBTAG000000011973	0	0	DCAF16	1.00E+00
ENSBTAG000000032022	0	0		1.00E+00
ENSBTAG000000013149	2.38E-10	0	NAA11	2.38E+03
ENSBTAG000000032034	6.10E-10	0		6.10E+03
ENSBTAG000000034901	0	1.39E-10	HIST3H2BB	7.19E-04
ENSBTAG000000047589	0	8.46E-11		1.18E-03
ENSBTAG000000011398	0	1.00E-10	PRR7	9.99E-04
ENSBTAG000000025401	0	2.03E-11	DOK3	4.90E-03
ENSBTAG000000046245	0	2.24E-10		4.46E-04
ENSBTAG000000006662	0	8.35E-11		1.20E-03
ENSBTAG000000012046	0	1.14E-10	JUNB	8.76E-04
ENSBTAG000000004714	7.08E-11	4.02E-10	MCEMP1	1.76E-01
ENSBTAG000000016721	1.03E-10	4.34E-10	ZNF791	2.38E-01
ENSBTAG000000017912	8.50E-11	3.22E-10		2.64E-01
ENSBTAG000000019909	9.94E-12	3.76E-11	SIRT6	2.66E-01
ENSBTAG000000009737	2.81E-11	1.06E-10	LTC4S	2.66E-01
ENSBTAG000000035966	1.68E-10	6.21E-10	GRXCR2	2.70E-01
ENSBTAG000000014835	3.41E-10	1.12E-09	SPARC	3.04E-01
ENSBTAG000000000595	1.58E-10	4.89E-10	FBN3	3.22E-01
ENSBTAG000000040028	3.42E-10	1.05E-09		3.26E-01
ENSBTAG000000047519	4.42E-10	1.23E-09		3.59E-01
ENSBTAG000000007350	3.18E-10	8.85E-10		3.59E-01
ENSBTAG0000000019950	2.74E-11	6.90E-11		3.98E-01
ENSBTAG000000024653	7.44E-11	1.88E-10	OR2T1	3.96E-01
ENSBTAG000000048015	8.48E-11	2.14E-10		3.96E-01
ENSBTAG000000047507	3.73E-11	9.40E-11		3.97E-01
ENSBTAG000000015144	6.73E-11	1.70E-10	GMIP	3.96E-01
ENSBTAG000000016350	7.27E-11	1.65E-10	NACC1	4.41E-01
ENSBTAG000000046200	2.69E-10	5.66E-10		4.75E-01
ENSBTAG000000006083	1.33E-10	2.64E-10	KLF1	5.05E-01
ENSBTAG000000019951	7.36E-11	1.43E-10	PCYOX1L	5.15E-01
ENSBTAG000000035777	2.36E-10	4.46E-10		5.29E-01
ENSBTAG000000006082	6.79E-11	1.28E-10	DNASE2	5.31E-01
ENSBTAG000000017482	5.12E-11	9.69E-11	ISYNA1	5.29E-01
ENSBTAG000000016841	2.68E-10	5.04E-10	ATP10B	5.33E-01
ENSBTAG000000018229	1.05E-10	1.89E-10	NFIX	5.55E-01
ENSBTAG000000006241	1.12E-10	2.02E-10	MAN2B1	5.56E-01
ENSBTAG000000017362	1.29E-10	2.31E-10	CNOT6	5.59E-01
ENSBTAG000000045615	1.23E-10	2.18E-10		5.66E-01
ENSBTAG000000013112	2.40E-10	4.23E-10	C5orf15	5.68E-01
ENSBTAG00000002224	1.70E-10	2.92E-10	UHRF1	5.83E-01
ENSBTAG000000045858	3.45E-10	5.80E-10	DNABJ1	5.95E-01
ENSBTAG000000009478	8.36E-11	1.40E-10	GDF9	5.97E-01
ENSBTAG000000010316	1.10E-10	1.84E-10	ICAM5	5.97E-01
ENSBTAG000000010578	1.44E-10	2.33E-10	IL17B	6.16E-01
ENSBTAG000000013113	2.10E-10	3.38E-10	VDAC1	6.23E-01
ENSBTAG000000016354	1.85E-10	2.92E-10	IER2	6.34E-01
ENSBTAG000000030529	3.49E-11	5.50E-11	FAM53C	6.36E-01
ENSBTAG000000016213	1.21E-10	1.89E-10	SYCE2	6.39E-01
ENSBTAG000000014615	1.11E-10	1.68E-10	SLC26A2	6.62E-01
ENSBTAG000000020776	9.20E-11	1.39E-10	POLR2E	6.62E-01
ENSBTAG000000047612	1.25E-10	1.88E-10		6.62E-01
ENSBTAG000000046262	5.51E-10	8.25E-10	PCDHB7	6.68E-01

ENSBTAG00000008654	8.46E-11	1.26E-10	HOOK2	6.72E-01
ENSBTAG00000045561	5.32E-10	7.83E-10		6.80E-01
ENSBTAG00000039422	4.89E-10	7.20E-10	OR2B11	6.80E-01
ENSBTAG00000012829	6.83E-11	1.00E-10	EBI3	6.83E-01
ENSBTAG00000030929	1.34E-10	1.95E-10	ZNF558	6.86E-01
ENSBTAG00000015192	5.05E-11	7.37E-11	FAM193B	6.86E-01
ENSBTAG00000006374	1.67E-10	2.37E-10	NHP2	7.05E-01
ENSBTAG00000015831	3.87E-10	5.49E-10	RPL18A	7.05E-01
ENSBTAG00000004856	3.06E-10	4.35E-10	RNF130	7.05E-01
ENSBTAG00000031658	5.91E-11	8.27E-11	SEMA6B	7.14E-01
ENSBTAG00000039555	7.56E-10	1.05E-09		7.20E-01
ENSBTAG00000039433	3.43E-10	4.75E-10		7.22E-01
ENSBTAG00000007231	9.15E-11	1.27E-10	SPATA9	7.21E-01
ENSBTAG00000020267	2.19E-10	3.01E-10	WNT9A	7.27E-01
ENSBTAG00000039246	2.40E-10	3.28E-10	TRIM11	7.30E-01
ENSBTAG00000020213	9.51E-11	1.30E-10	NIPAL4	7.32E-01
ENSBTAG000000045859	4.54E-10	6.17E-10		7.36E-01
ENSBTAG00000012771	1.43E-10	1.93E-10	CSF1R	7.41E-01
ENSBTAG00000045603	4.81E-10	6.50E-10	PCDHB4	7.41E-01
ENSBTAG00000003987	2.64E-10	3.55E-10		7.43E-01
ENSBTAG00000008457	1.60E-10	2.15E-10	SLU7	7.44E-01
ENSBTAG00000020303	1.03E-10	1.37E-10	FBXO38	7.49E-01
ENSBTAG00000015591	2.93E-10	3.87E-10	SQSTM1	7.57E-01
ENSBTAG00000037508	1.54E-10	2.03E-10	EBF1	7.57E-01
ENSBTAG00000011110	5.15E-10	6.51E-10	ACOT12	7.91E-01
ENSBTAG00000007633	2.67E-10	3.36E-10	ANKRD34B	7.93E-01
ENSBTAG00000021616	1.32E-10	1.66E-10	PRSS57	7.93E-01
ENSBTAG00000037885	3.01E-10	3.79E-10	PCDHB1	7.93E-01
ENSBTAG00000004652	1.42E-10	1.79E-10	LPAR2	7.95E-01
ENSBTAG00000004200	1.26E-10	1.59E-10	GTPBP3	7.94E-01
ENSBTAG00000045981	2.75E-10	3.46E-10	DIRAS1	7.94E-01
ENSBTAG00000025191	4.07E-11	5.13E-11	SKP1	7.95E-01
ENSBTAG00000001792	5.28E-11	6.66E-11	C19orf70	7.93E-01
ENSBTAG00000020269	6.59E-11	8.30E-11	MISP	7.94E-01
ENSBTAG00000009285	3.46E-10	4.36E-10		7.95E-01
ENSBTAG00000014918	1.68E-10	2.11E-10	IBA57	7.96E-01
ENSBTAG00000000550	7.54E-11	9.50E-11	ATP5D	7.94E-01
ENSBTAG00000018817	6.15E-11	7.75E-11	POU4F3	7.93E-01
ENSBTAG00000039696	8.23E-11	1.04E-10	SHD	7.92E-01
ENSBTAG000000046233	6.14E-10	7.73E-10		7.94E-01
ENSBTAG00000040610	8.72E-11	1.10E-10		7.93E-01
ENSBTAG00000045691	5.32E-10	6.71E-10		7.93E-01
ENSBTAG00000046542	5.74E-11	7.23E-11	C19orf24	7.94E-01
ENSBTAG00000002335	4.94E-11	6.22E-11	HAND1	7.94E-01
ENSBTAG00000039804	1.77E-10	2.24E-10		7.92E-01
ENSBTAG00000010283	7.17E-11	9.03E-11		7.94E-01
ENSBTAG00000001647	9.33E-11	1.18E-10		7.91E-01
ENSBTAG000000046963	8.75E-11	1.10E-10		7.96E-01
ENSBTAG00000002284	6.22E-10	7.83E-10		7.94E-01
ENSBTAG00000039484	1.76E-10	2.22E-10		7.94E-01
ENSBTAG00000020923	9.08E-11	1.14E-10		7.97E-01
ENSBTAG00000025788	7.82E-11	9.85E-11	MPV17L2	7.94E-01
ENSBTAG00000000381	7.07E-11	8.91E-11	S1PR4	7.94E-01
ENSBTAG00000023507	5.69E-10	7.17E-10		7.94E-01
ENSBTAG00000030704	7.66E-10	9.65E-10		7.94E-01
ENSBTAG00000047415	8.62E-10	1.09E-09		7.91E-01
ENSBTAG00000048315	2.56E-10	3.23E-10		7.94E-01
ENSBTAG00000047927	9.58E-10	1.21E-09		7.92E-01
ENSBTAG00000027357	8.89E-11	1.12E-10	FGF22	7.94E-01
ENSBTAG00000039067	4.13E-10	5.21E-10	PCDHB15	7.93E-01
ENSBTAG00000007349	5.16E-10	6.50E-10	PCDHB14	7.94E-01
ENSBTAG00000047539	4.43E-10	5.58E-10		7.94E-01
ENSBTAG00000036175	8.86E-11	1.12E-10		7.92E-01
ENSBTAG00000047660	7.10E-10	8.95E-10		7.93E-01
ENSBTAG00000038533	4.29E-10	5.41E-10		7.93E-01
ENSBTAG00000016648	1.17E-10	1.48E-10	BSG	7.94E-01
ENSBTAG00000038437	4.60E-11	5.80E-11	RLN3	7.94E-01
ENSBTAG00000045829	2.83E-11	3.57E-11	AZU1	7.93E-01
ENSBTAG00000018349	7.31E-11	9.22E-11	IFI30	7.93E-01
ENSBTAG00000036242	3.25E-11	4.09E-11	RFESD	7.94E-01

ENSBTAG00000030735	3.86E-10	4.87E-10		7.94E-01
ENSBTAG00000039797	1.74E-10	2.19E-10		7.95E-01
ENSBTAG00000033055	2.28E-10	2.88E-10		7.93E-01
ENSBTAG00000011419	3.75E-11	4.72E-11	HSPA9	7.94E-01
ENSBTAG00000047190	3.48E-10	4.38E-10		7.94E-01
ENSBTAG00000008692	2.53E-10	3.18E-10		7.95E-01
ENSBTAG00000046984	1.76E-10	2.22E-10	ZNF672	7.92E-01
ENSBTAG00000015032	1.14E-10	1.44E-10	CD14	7.92E-01
ENSBTAG00000039930	1.21E-09	1.53E-09	OR2G2	7.94E-01
ENSBTAG00000013358	1.43E-09	1.80E-09		7.93E-01
ENSBTAG00000013429	1.34E-10	1.69E-10	CLEC4G	7.94E-01
ENSBTAG00000015721	3.07E-10	3.80E-10	RAVER1	8.09E-01
ENSBTAG00000007865	6.27E-10	7.72E-10	GNPDA1	8.13E-01
ENSBTAG00000018585	1.92E-10	2.34E-10	GABRB2	8.19E-01
ENSBTAG00000001761	2.88E-09	3.52E-09		8.19E-01
ENSBTAG00000047835	1.23E-09	1.50E-09		8.19E-01
ENSBTAG00000005592	4.83E-10	5.85E-10	MCOLN1	8.26E-01
ENSBTAG00000037693	7.29E-10	8.81E-10		8.27E-01
ENSBTAG00000018673	7.94E-10	9.59E-10	TRIM17	8.28E-01
ENSBTAG00000016077	6.29E-10	7.60E-10	ZNF317	8.28E-01
ENSBTAG00000000626	3.52E-10	4.25E-10	STK32A	8.27E-01
ENSBTAG00000039983	2.11E-09	2.55E-09		8.29E-01
ENSBTAG00000014395	2.87E-10	3.46E-10	GLRA1	8.31E-01
ENSBTAG00000048257	2.15E-10	2.58E-10		8.34E-01
ENSBTAG00000046343	5.97E-10	7.16E-10	CCNJL	8.34E-01
ENSBTAG00000015487	2.32E-10	2.78E-10	KDM4B	8.34E-01
ENSBTAG00000047420	2.46E-10	2.95E-10		8.34E-01
ENSBTAG00000012350	1.06E-10	1.27E-10	MAT2B	8.33E-01
ENSBTAG00000020578	4.93E-10	5.91E-10	PRDM6	8.35E-01
ENSBTAG00000037941	4.04E-10	4.83E-10	QTRT1	8.37E-01
ENSBTAG00000015602	6.91E-10	8.22E-10	MRNIP	8.40E-01
ENSBTAG00000040253	2.34E-10	2.78E-10	ADRA1B	8.41E-01
ENSBTAG00000047478	5.86E-10	6.94E-10	PCDHB6	8.44E-01
ENSBTAG00000014712	2.67E-10	3.16E-10	CLPP	8.45E-01
ENSBTAG00000011135	6.74E-10	7.99E-10		8.43E-01
ENSBTAG00000008201	5.01E-10	5.92E-10	CCDC151	8.46E-01
ENSBTAG00000003914	6.48E-10	7.65E-10	MVB12A	8.47E-01
ENSBTAG00000004153	9.23E-10	1.09E-09	SCGB3A2	8.47E-01
ENSBTAG00000002143	5.69E-10	6.70E-10	DTWD2	8.49E-01
ENSBTAG00000006005	1.32E-10	1.56E-10	MPND	8.46E-01
ENSBTAG00000011134	4.22E-10	4.97E-10		8.50E-01
ENSBTAG00000046808	9.03E-10	1.06E-09		8.52E-01
ENSBTAG00000044169	3.10E-10	3.65E-10	PRELID2	8.50E-01
ENSBTAG00000021374	1.22E-10	1.43E-10	FARSA	8.51E-01
ENSBTAG00000021529	6.70E-10	7.86E-10		8.53E-01
ENSBTAG00000002734	2.48E-10	2.90E-10	EIF3G	8.56E-01
ENSBTAG00000013184	4.42E-10	5.18E-10	CEP120	8.54E-01
ENSBTAG00000045743	4.86E-10	5.68E-10		8.55E-01
ENSBTAG00000009069	1.20E-09	1.40E-09		8.54E-01
ENSBTAG00000025767	5.69E-10	6.64E-10		8.56E-01
ENSBTAG00000025293	1.14E-09	1.32E-09		8.62E-01
ENSBTAG00000030227	3.01E-10	3.48E-10	PCDHA13	8.64E-01
ENSBTAG00000033470	3.75E-10	4.33E-10	SPINK6	8.67E-01
ENSBTAG00000004413	3.24E-10	3.75E-10	RHOBTB3	8.65E-01
ENSBTAG00000019881	3.34E-10	3.84E-10		8.69E-01
ENSBTAG00000019071	4.41E-10	5.08E-10	COMMD10	8.68E-01
ENSBTAG00000010837	2.30E-10	2.65E-10	HTR4	8.66E-01
ENSBTAG00000010450	1.18E-10	1.37E-10	WIZ	8.63E-01
ENSBTAG00000007366	2.91E-10	3.33E-10	HAUS8	8.73E-01
ENSBTAG00000039302	2.37E-10	2.72E-10	ANGPTL6	8.73E-01
ENSBTAG00000006001	7.70E-11	8.82E-11	STAP2	8.74E-01
ENSBTAG00000027911	7.50E-10	8.58E-10	OR2G3	8.74E-01
ENSBTAG00000045623	8.42E-10	9.63E-10		8.74E-01
ENSBTAG00000025358	6.44E-10	7.34E-10	SNX2	8.77E-01
ENSBTAG00000038722	2.87E-09	3.27E-09		8.79E-01
ENSBTAG00000014809	5.49E-10	6.25E-10	ANXA6	8.79E-01
ENSBTAG00000011602	2.07E-10	2.36E-10	RASAL3	8.78E-01
ENSBTAG00000047796	8.46E-10	9.59E-10		8.82E-01
ENSBTAG00000046914	1.27E-09	1.44E-09		8.80E-01
ENSBTAG00000017744	3.72E-10	4.22E-10	FAF2	8.83E-01

ENSBTAG00000025148	1.21E-10	1.38E-10	FBXL12	8.80E-01
ENSBTAG00000015186	3.36E-10	3.80E-10	ILVBL	8.86E-01
ENSBTAG00000004270	1.42E-10	1.60E-10	FCER2	8.88E-01
ENSBTAG00000010543	1.37E-10	1.54E-10	FGFR4	8.91E-01
ENSBTAG00000010635	1.30E-10	1.45E-10	RAB3A	8.94E-01
ENSBTAG00000016211	2.17E-10	2.43E-10	GCDH	8.94E-01
ENSBTAG00000019414	4.49E-10	5.04E-10	CLK4	8.91E-01
ENSBTAG00000025775	4.68E-10	5.24E-10	INSL3	8.93E-01
ENSBTAG00000037964	4.90E-10	5.49E-10	HIST3H2A	8.93E-01
ENSBTAG00000019457	5.34E-10	5.96E-10	MRPL22	8.95E-01
ENSBTAG00000004224	2.22E-10	2.48E-10	C19orf38	8.94E-01
ENSBTAG00000034973	1.27E-09	1.42E-09		8.93E-01
ENSBTAG00000013262	2.08E-10	2.32E-10	GABRA6	8.98E-01
ENSBTAG00000014974	3.77E-10	4.20E-10	GRAMD3	8.97E-01
ENSBTAG00000002834	4.41E-10	4.91E-10	CCDC69	8.98E-01
ENSBTAG00000000341	2.38E-10	2.64E-10	ISOC1	9.00E-01
ENSBTAG00000015558	4.92E-10	5.46E-10	SPINK1	9.01E-01
ENSBTAG00000044183	3.44E-10	3.82E-10	SPINK7	9.00E-01
ENSBTAG00000011136	4.09E-10	4.54E-10	NR2F6	9.00E-01
ENSBTAG00000013557	9.07E-10	1.01E-09	ERAP1	8.98E-01
ENSBTAG00000015108	2.18E-10	2.41E-10	USHBP1	9.06E-01
ENSBTAG00000001793	1.36E-10	1.50E-10	HSD11B1L	9.04E-01
ENSBTAG00000017371	1.78E-10	1.97E-10	RELL2	9.05E-01
ENSBTAG00000048069	6.97E-10	7.68E-10		9.08E-01
ENSBTAG00000030616	5.67E-10	6.24E-10	ZCCHC10	9.09E-01
ENSBTAG00000012048	3.66E-10	4.03E-10	CARM1	9.08E-01
ENSBTAG00000006624	6.73E-10	7.39E-10	SLC36A3	9.10E-01
ENSBTAG00000002350	1.49E-10	1.64E-10		9.11E-01
ENSBTAG00000004896	2.65E-10	2.89E-10	ABLIM3	9.16E-01
ENSBTAG00000046750	6.16E-11	6.73E-11	B3GNT3	9.16E-01
ENSBTAG00000012518	4.39E-10	4.79E-10	PCDH1	9.17E-01
ENSBTAG00000004936	1.37E-10	1.49E-10	TMIGD2	9.16E-01
ENSBTAG00000012768	2.92E-10	3.18E-10	HMGXB3	9.17E-01
ENSBTAG00000021115	6.56E-10	7.13E-10	ZNF692	9.20E-01
ENSBTAG00000019012	3.76E-10	4.09E-10	KCTD16	9.19E-01
ENSBTAG00000003034	3.37E-10	3.65E-10	GATAD2A	9.22E-01
ENSBTAG00000033759	6.97E-10	7.56E-10		9.22E-01
ENSBTAG00000019419	2.79E-10	3.02E-10	NDUFS7	9.25E-01
ENSBTAG00000000874	8.41E-10	8.99E-10	CAST	9.36E-01
ENSBTAG00000030259	4.97E-10	5.29E-10	RASGRF2	9.39E-01
ENSBTAG00000001762	6.22E-10	6.63E-10	RFXANK	9.38E-01
ENSBTAG00000032137	5.70E-10	6.07E-10	PNPLA6	9.39E-01
ENSBTAG00000046423	2.07E-09	2.21E-09		9.37E-01
ENSBTAG00000006007	1.95E-10	2.08E-10	SH3GL1	9.39E-01
ENSBTAG00000014626	8.69E-10	9.23E-10	RARS	9.41E-01
ENSBTAG00000006762	4.41E-10	4.67E-10	SH3RF2	9.45E-01
ENSBTAG00000000682	2.02E-10	2.13E-10		9.47E-01
ENSBTAG00000010359	1.42E-10	1.50E-10	THG1L	9.50E-01
ENSBTAG00000013362	4.11E-10	4.33E-10	DNM2	9.49E-01
ENSBTAG00000044067	4.31E-10	4.53E-10	PLAC8L1	9.51E-01
ENSBTAG00000012172	8.07E-11	8.47E-11	MIDN	9.53E-01
ENSBTAG00000015453	4.23E-10	4.44E-10	PCDHB16	9.54E-01
ENSBTAG00000015116	8.14E-11	8.55E-11	RAD23A	9.52E-01
ENSBTAG00000030589	8.48E-11	8.91E-11	TMCO6	9.52E-01
ENSBTAG00000038629	5.25E-10	5.51E-10	OR2Y1	9.54E-01
ENSBTAG00000006185	2.43E-10	2.55E-10	SPC24	9.54E-01
ENSBTAG00000025908	4.06E-10	4.26E-10		9.52E-01
ENSBTAG00000046297	1.04E-09	1.09E-09		9.54E-01
ENSBTAG00000019814	2.76E-10	2.90E-10	PGBD2	9.53E-01
ENSBTAG00000002628	3.97E-10	4.15E-10	SLC44A2	9.56E-01
ENSBTAG00000002140	2.24E-10	2.35E-10		9.53E-01
ENSBTAG00000013536	2.10E-10	2.20E-10	P2RY11	9.54E-01
ENSBTAG000000006110	7.12E-10	7.45E-10		9.55E-01
ENSBTAG00000007312	1.69E-10	1.78E-10		9.51E-01
ENSBTAG00000003551	1.08E-09	1.13E-09	OR2T11	9.53E-01
ENSBTAG00000021577	4.58E-10	4.78E-10	ZFYVE16	9.58E-01
ENSBTAG00000006748	1.59E-10	1.66E-10	DMXL1	9.57E-01
ENSBTAG00000010979	6.00E-11	6.25E-11	CDKL3	9.61E-01
ENSBTAG00000003349	4.85E-10	5.05E-10	JAKMIP2	9.60E-01
ENSBTAG00000002804	2.65E-10	2.75E-10	PDGFRB	9.65E-01

ENSBTAG00000046813	1.63E-09	1.69E-09		9.66E-01
ENSBTAG00000007812	1.09E-10	1.13E-10	NDUFA13	9.68E-01
ENSBTAG00000016797	4.19E-10	4.32E-10	CSNK1G2	9.70E-01
ENSBTAG00000014969	9.99E-11	1.03E-10	CILP2	9.70E-01
ENSBTAG00000008034	5.74E-10	5.92E-10	LMAN2	9.70E-01
ENSBTAG00000025233	1.02E-10	1.05E-10		9.72E-01
ENSBTAG00000027699	9.70E-10	9.99E-10		9.71E-01
ENSBTAG00000021977	7.14E-10	7.35E-10	PRRC1	9.71E-01
ENSBTAG00000001367	1.63E-10	1.68E-10	C1QTNF2	9.71E-01
ENSBTAG000000013623	1.13E-09	1.15E-09		9.80E-01
ENSBTAG00000006488	1.40E-09	1.43E-09		9.78E-01
ENSBTAG00000008192	2.11E-10	2.15E-10	PLPPR2	9.80E-01
ENSBTAG00000008626	1.33E-10	1.36E-10	KCNN1	9.80E-01
ENSBTAG00000007785	1.90E-10	1.94E-10	PKD2L2	9.80E-01
ENSBTAG000000031069	5.39E-10	5.49E-10	SNX24	9.81E-01
ENSBTAG00000015611	5.21E-10	5.30E-10	TBC1D9B	9.83E-01
ENSBTAG00000001568	1.84E-10	1.87E-10	PPIC	9.85E-01
ENSBTAG00000008854	1.10E-10	1.12E-10	RFX1	9.85E-01
ENSBTAG00000038117	2.64E-10	2.68E-10	ATG10	9.85E-01
ENSBTAG00000014551	4.44E-10	4.52E-10	TNFaip8	9.83E-01
ENSBTAG00000015465	5.76E-10	5.85E-10	C5orf46	9.84E-01
ENSBTAG00000007122	2.34E-10	2.37E-10	ZFP2	9.89E-01
ENSBTAG00000014897	2.73E-10	2.77E-10	UNC5A	9.87E-01
ENSBTAG000000019329	1.92E-10	1.93E-10	LYL1	9.93E-01
ENSBTAG000000001707	2.61E-10	2.64E-10	UIMC1	9.90E-01
ENSBTAG00000003476	1.14E-10	1.15E-10	FEM1A	9.95E-01
ENSBTAG00000011639	5.57E-11	5.61E-11	STK11	9.92E-01
ENSBTAG00000043994	8.93E-11	9.00E-11	GRK6	9.92E-01
ENSBTAG00000048072	4.39E-10	4.42E-10		9.93E-01
ENSBTAG00000008181	1.47E-10	1.48E-10	CHAF1A	9.95E-01
ENSBTAG00000046696	6.76E-10	6.81E-10		9.93E-01
ENSBTAG000000015049	1.74E-10	1.75E-10	ECSIT	9.93E-01
ENSBTAG00000040153	1.56E-10	1.57E-10		9.91E-01
ENSBTAG00000004860	4.64E-10	4.66E-10	SLC27A6	9.95E-01
ENSBTAG00000003086	1.88E-09	1.89E-09	RPLP2	9.95E-01
ENSBTAG000000030499	1.71E-10	1.71E-10	FCHSD1	9.98E-01
ENSBTAG00000014774	2.08E-10	2.09E-10	ANKRD24	9.95E-01
ENSBTAG00000004815	7.89E-10	7.90E-10		9.99E-01
ENSBTAG00000012314	2.46E-10	2.45E-10	LDLR	1.00E+00
ENSBTAG000000020491	1.97E-10	1.96E-10	SOX30	1.01E+00
ENSBTAG00000016988	1.87E-10	1.85E-10	PIN1	1.01E+00
ENSBTAG00000030839	2.53E-10	2.51E-10	MUM1	1.01E+00
ENSBTAG00000010661	2.91E-10	2.87E-10	DPYSL3	1.01E+00
ENSBTAG000000034917	2.84E-09	2.81E-09		1.01E+00
ENSBTAG000000032125	4.62E-10	4.55E-10		1.01E+00
ENSBTAG00000001003	1.62E-10	1.59E-10	CKMT2	1.02E+00
ENSBTAG00000015051	2.27E-10	2.24E-10	POLRMT	1.01E+00
ENSBTAG00000010632	5.57E-10	5.47E-10	FABP6	1.02E+00
ENSBTAG00000025652	1.37E-10	1.34E-10	BEST2	1.02E+00
ENSBTAG00000033092	7.83E-10	7.66E-10		1.02E+00
ENSBTAG00000010689	1.44E-10	1.41E-10	NRG2	1.02E+00
ENSBTAG00000010959	2.73E-10	2.66E-10	HINT1	1.03E+00
ENSBTAG00000044033	3.70E-10	3.58E-10	EDIL3	1.03E+00
ENSBTAG00000016187	3.70E-10	3.58E-10	GRM6	1.03E+00
ENSBTAG00000046982	1.12E-09	1.09E-09		1.03E+00
ENSBTAG00000009975	7.16E-10	6.92E-10	PBX4	1.03E+00
ENSBTAG00000004262	2.40E-10	2.32E-10	ZNF454	1.03E+00
ENSBTAG00000010341	2.42E-10	2.32E-10	PWWP2A	1.04E+00
ENSBTAG000000034113	2.88E-10	2.76E-10	GALNT10	1.04E+00
ENSBTAG000000032292	5.43E-10	5.17E-10	CCDC159	1.05E+00
ENSBTAG00000000613	9.12E-11	8.69E-11	ELAVL1	1.05E+00
ENSBTAG00000015938	1.54E-10	1.46E-10	ARAP3	1.05E+00
ENSBTAG00000013624	6.11E-10	5.81E-10	LMNB2	1.05E+00
ENSBTAG00000035584	2.06E-10	1.95E-10		1.06E+00
ENSBTAG00000008198	1.40E-10	1.33E-10	RGL3	1.06E+00
ENSBTAG00000015041	1.41E-10	1.33E-10		1.06E+00
ENSBTAG00000014906	2.70E-10	2.56E-10	VCAN	1.06E+00
ENSBTAG00000046263	9.87E-11	9.32E-11		1.06E+00
ENSBTAG00000015742	3.16E-10	2.99E-10	ICAM3	1.06E+00
ENSBTAG00000004300	9.53E-11	9.00E-11	LRRC8E	1.06E+00

ENSBTAG00000038980	3.45E-10	3.26E-10		1.06E+00
ENSBTAG00000030474	4.50E-10	4.25E-10		1.06E+00
ENSBTAG00000046034	2.37E-10	2.24E-10	EEF1A1	1.06E+00
ENSBTAG00000001449	5.49E-11	5.19E-11	SRA1	1.06E+00
ENSBTAG00000045638	2.81E-10	2.65E-10		1.06E+00
ENSBTAG00000003018	5.17E-11	4.88E-11	FSTL3	1.06E+00
ENSBTAG00000046163	6.86E-10	6.48E-10		1.06E+00
ENSBTAG00000045893	7.21E-10	6.80E-10	TIMM29	1.06E+00
ENSBTAG00000017706	2.94E-10	2.78E-10	SLC39A3	1.06E+00
ENSBTAG00000037611	6.95E-10	6.56E-10		1.06E+00
ENSBTAG00000047082	6.95E-10	6.56E-10		1.06E+00
ENSBTAG00000039805	2.94E-10	2.78E-10		1.06E+00
ENSBTAG00000046349	8.66E-10	8.17E-10		1.06E+00
ENSBTAG00000025136	1.74E-10	1.64E-10	MYOZ3	1.06E+00
ENSBTAG00000031647	1.11E-10	1.05E-10	LRG1	1.05E+00
ENSBTAG00000017105	3.05E-10	2.87E-10	FSTL4	1.06E+00
ENSBTAG00000013856	3.24E-10	3.05E-10	SSBP2	1.06E+00
ENSBTAG00000007901	5.51E-10	5.16E-10	ADGRE1	1.07E+00
ENSBTAG00000046265	5.94E-10	5.55E-10		1.07E+00
ENSBTAG00000038464	1.61E-10	1.50E-10	PLIN5	1.07E+00
ENSBTAG00000015727	9.58E-10	8.92E-10		1.07E+00
ENSBTAG00000007632	6.36E-10	5.91E-10	FAM151B	1.08E+00
ENSBTAG00000040076	3.20E-10	2.97E-10	ILF3	1.08E+00
ENSBTAG00000025817	5.07E-10	4.71E-10		1.08E+00
ENSBTAG000000019771	9.89E-11	9.14E-11	PALM	1.08E+00
ENSBTAG00000008437	9.86E-11	9.11E-11	PCDH12	1.08E+00
ENSBTAG00000016773	2.62E-10	2.42E-10	NXNL1	1.08E+00
ENSBTAG00000038151	1.47E-10	1.34E-10	ELOF1	1.09E+00
ENSBTAG00000039591	1.96E-10	1.80E-10	TMEM167A	1.09E+00
ENSBTAG00000003144	4.32E-10	3.95E-10		1.09E+00
ENSBTAG00000007359	2.24E-10	2.05E-10	PROP1	1.09E+00
ENSBTAG00000033146	1.93E-09	1.76E-09		1.10E+00
ENSBTAG00000011481	5.28E-10	4.82E-10	IL12RB1	1.10E+00
ENSBTAG00000007128	4.01E-10	3.65E-10	ATP13A1	1.10E+00
ENSBTAG00000000910	1.55E-10	1.41E-10	SLC6A7	1.10E+00
ENSBTAG00000006031	5.61E-10	5.11E-10	ADGRV1	1.10E+00
ENSBTAG00000009331	5.24E-10	4.77E-10	CPAMD8	1.10E+00
ENSBTAG00000017550	2.25E-10	2.04E-10	CSNK1G3	1.10E+00
ENSBTAG00000039493	8.76E-10	7.95E-10		1.10E+00
ENSBTAG00000012184	1.92E-10	1.75E-10		1.10E+00
ENSBTAG00000014979	3.71E-10	3.36E-10	MFSD12	1.10E+00
ENSBTAG00000006765	3.58E-10	3.24E-10	LARS	1.10E+00
ENSBTAG00000016199	1.62E-10	1.46E-10	CLINT1	1.11E+00
ENSBTAG00000039335	1.27E-10	1.15E-10	ARRDC2	1.11E+00
ENSBTAG00000030282	1.01E-10	9.05E-11	ZBED8	1.11E+00
ENSBTAG00000046564	6.14E-10	5.51E-10		1.11E+00
ENSBTAG00000021016	4.82E-10	4.33E-10		1.11E+00
ENSBTAG00000015953	2.87E-10	2.58E-10	IL13	1.11E+00
ENSBTAG00000017599	1.21E-10	1.08E-10	NR2F1	1.12E+00
ENSBTAG00000008335	6.10E-10	5.48E-10		1.11E+00
ENSBTAG00000019472	1.43E-10	1.28E-10	NR3C1	1.12E+00
ENSBTAG00000005326	1.67E-10	1.50E-10		1.12E+00
ENSBTAG00000047414	1.25E-09	1.12E-09		1.12E+00
ENSBTAG00000002148	4.71E-10	4.22E-10	RAB3D	1.12E+00
ENSBTAG00000013614	5.79E-10	5.18E-10	TMEM38A	1.12E+00
ENSBTAG00000000813	2.22E-10	1.97E-10	HOMER3	1.12E+00
ENSBTAG00000004630	1.84E-10	1.64E-10	COMP	1.12E+00
ENSBTAG00000002215	2.27E-10	2.01E-10	GFPT2	1.13E+00
ENSBTAG00000007782	8.01E-11	7.12E-11	MYOT	1.12E+00
ENSBTAG00000009772	4.03E-10	3.57E-10	LIX1	1.13E+00
ENSBTAG00000015050	2.28E-10	2.02E-10	HCN2	1.13E+00
ENSBTAG00000008250	1.20E-10	1.07E-10	SPRY4	1.12E+00
ENSBTAG00000014956	2.11E-10	1.86E-10	JSRP1	1.13E+00
ENSBTAG00000018872	1.98E-10	1.74E-10	F12	1.14E+00
ENSBTAG00000015307	3.26E-10	2.87E-10	FBN2	1.14E+00
ENSBTAG00000035241	8.16E-10	7.18E-10		1.14E+00
ENSBTAG00000004268	3.67E-10	3.24E-10	TRAPPC5	1.13E+00
ENSBTAG00000045927	7.93E-10	6.98E-10		1.14E+00
ENSBTAG00000010961	3.76E-10	3.30E-10	LYRM7	1.14E+00
ENSBTAG00000002347	3.76E-10	3.30E-10	MAST3	1.14E+00

ENSBTAG00000012830	7.61E-11	6.63E-11	CCDC94	1.15E+00
ENSBTAG00000010982	8.44E-11	7.36E-11	UBE2B	1.15E+00
ENSBTAG00000017291	4.04E-10	3.52E-10	GPR108	1.15E+00
ENSBTAG00000038186	4.58E-10	3.98E-10		1.15E+00
ENSBTAG00000020309	3.97E-10	3.45E-10	G3BP1	1.15E+00
ENSBTAG00000019948	1.73E-10	1.50E-10	AFAP1L1	1.15E+00
ENSBTAG00000011698	4.47E-10	3.88E-10	TYK2	1.15E+00
ENSBTAG00000012587	2.25E-10	1.95E-10		1.15E+00
ENSBTAG00000009647	2.31E-10	1.99E-10	PHAX	1.16E+00
ENSBTAG00000010321	2.70E-10	2.32E-10	TTC1	1.16E+00
ENSBTAG00000019708	4.02E-10	3.45E-10		1.16E+00
ENSBTAG00000039523	2.40E-10	2.06E-10		1.17E+00
ENSBTAG00000008186	1.90E-10	1.63E-10	UBXN6	1.17E+00
ENSBTAG00000024904	7.79E-10	6.64E-10	KIAA1683	1.17E+00
ENSBTAG00000000306	5.34E-10	4.55E-10	ITK	1.17E+00
ENSBTAG00000007681	2.57E-10	2.18E-10	DHFR	1.18E+00
ENSBTAG00000010740	5.87E-10	4.95E-10	CLTB	1.19E+00
ENSBTAG00000019718	1.46E-10	1.22E-10	RPS15	1.19E+00
ENSBTAG00000047127	1.90E-10	1.59E-10	C19orf25	1.19E+00
ENSBTAG00000020090	1.55E-10	1.30E-10	EPHX3	1.19E+00
ENSBTAG00000040305	1.56E-10	1.31E-10		1.19E+00
ENSBTAG00000010968	1.50E-10	1.26E-10	TMED1	1.19E+00
ENSBTAG00000044018	2.55E-10	2.14E-10		1.19E+00
ENSBTAG00000004000	5.95E-11	5.00E-11	SAP30L	1.19E+00
ENSBTAG00000005581	7.06E-11	5.92E-11	CCL25	1.19E+00
ENSBTAG00000014926	8.67E-11	7.28E-11	SNAPC2	1.19E+00
ENSBTAG00000014955	8.57E-11	7.20E-11	AMH	1.19E+00
ENSBTAG00000010069	6.51E-11	5.47E-11	EGR1	1.19E+00
ENSBTAG00000006077	1.92E-10	1.62E-10	RTBDN	1.19E+00
ENSBTAG00000007739	9.29E-11	7.80E-11	C19orf60	1.19E+00
ENSBTAG00000011400	1.06E-10	8.94E-11	DBN1	1.19E+00
ENSBTAG000000025425	2.59E-10	2.17E-10	RAB24	1.19E+00
ENSBTAG00000011351	8.33E-11	7.00E-11	TMEM259	1.19E+00
ENSBTAG00000009752	2.13E-10	1.78E-10	CD70	1.19E+00
ENSBTAG00000014968	1.36E-10	1.14E-10	YJEFN3	1.19E+00
ENSBTAG00000047433	4.10E-10	3.44E-10		1.19E+00
ENSBTAG00000009273	3.72E-10	3.12E-10		1.19E+00
ENSBTAG00000010984	2.55E-10	2.14E-10	CDKN2AIPNL	1.19E+00
ENSBTAG00000046513	5.32E-10	4.46E-10		1.19E+00
ENSBTAG00000001794	1.96E-10	1.65E-10		1.19E+00
ENSBTAG000000032142	5.38E-10	4.51E-10		1.19E+00
ENSBTAG00000014916	1.28E-10	1.08E-10	GJC2	1.19E+00
ENSBTAG000000031412	5.17E-10	4.34E-10	OR6F1	1.19E+00
ENSBTAG00000016936	1.30E-10	1.09E-10		1.19E+00
ENSBTAG00000004112	2.45E-10	2.06E-10	GAMT	1.19E+00
ENSBTAG00000009568	2.85E-10	2.39E-10	KANK2	1.19E+00
ENSBTAG00000048056	5.00E-10	4.19E-10		1.19E+00
ENSBTAG00000015618	5.00E-10	4.19E-10	GDF15	1.19E+00
ENSBTAG00000046953	2.61E-10	2.19E-10		1.19E+00
ENSBTAG00000002434	1.36E-10	1.15E-10	WDR18	1.19E+00
ENSBTAG00000011254	1.05E-09	8.81E-10	OR2Z1	1.19E+00
ENSBTAG00000016429	1.83E-10	1.54E-10	TMEM205	1.19E+00
ENSBTAG00000023623	7.90E-10	6.62E-10		1.19E+00
ENSBTAG00000019966	9.69E-10	8.11E-10	TICAM1	1.19E+00
ENSBTAG00000003434	2.84E-10	2.37E-10	CERS4	1.20E+00
ENSBTAG00000045733	1.06E-09	8.84E-10		1.19E+00
ENSBTAG00000010871	1.23E-10	1.02E-10		1.20E+00
ENSBTAG00000019900	4.39E-10	3.65E-10	LNPEP	1.20E+00
ENSBTAG00000007644	2.15E-10	1.78E-10	GNG7	1.21E+00
ENSBTAG00000008695	2.16E-10	1.79E-10	TCF3	1.21E+00
ENSBTAG00000014365	3.54E-10	2.93E-10		1.21E+00
ENSBTAG000000031673	2.02E-10	1.67E-10	ARRDC5	1.21E+00
ENSBTAG000000031352	2.23E-10	1.84E-10	ZNF554	1.21E+00
ENSBTAG00000018287	5.90E-10	4.86E-10		1.21E+00
ENSBTAG00000025443	1.23E-10	1.01E-10	FNIP1	1.22E+00
ENSBTAG00000005265	2.22E-10	1.82E-10		1.22E+00
ENSBTAG00000025606	3.83E-10	3.15E-10	YIPF2	1.22E+00
ENSBTAG00000020922	2.23E-10	1.83E-10	UPF1	1.22E+00
ENSBTAG00000024450	8.73E-11	7.17E-11		1.22E+00
ENSBTAG00000006371	2.05E-10	1.68E-10	RMND5B	1.22E+00

ENSBTAG00000005999	1.18E-10	9.62E-11	FSD1	1.23E+00
ENSBTAG00000008435	9.29E-11	7.57E-11	KIAA0141	1.23E+00
ENSBTAG00000010487	4.09E-10	3.32E-10	SMIM3	1.23E+00
ENSBTAG00000010639	1.20E-10	9.73E-11	MAP2K7	1.23E+00
ENSBTAG00000047215	1.49E-09	1.21E-09		1.23E+00
ENSBTAG00000019868	3.10E-10	2.52E-10		1.23E+00
ENSBTAG00000047921	1.24E-09	1.00E-09		1.24E+00
ENSBTAG00000021445	4.65E-10	3.75E-10	ST8SIA4	1.24E+00
ENSBTAG00000007343	1.02E-10	8.22E-11	PDLIM7	1.24E+00
ENSBTAG00000006978	6.37E-10	5.13E-10	HSD17B4	1.24E+00
ENSBTAG00000048193	1.38E-09	1.11E-09		1.24E+00
ENSBTAG00000033886	5.94E-10	4.77E-10		1.24E+00
ENSBTAG00000010379	3.11E-10	2.50E-10	CRTC1	1.24E+00
ENSBTAG00000011415	3.23E-11	2.59E-11	ETF1	1.24E+00
ENSBTAG00000013450	3.39E-10	2.71E-10	FAM71B	1.25E+00
ENSBTAG00000043971	2.39E-10	1.91E-10	NOTCH3	1.25E+00
ENSBTAG00000010318	4.10E-10	3.28E-10	FDX2	1.25E+00
ENSBTAG00000020229	1.93E-10	1.55E-10	ATP8B3	1.25E+00
ENSBTAG00000012682	2.45E-10	1.95E-10	UNC13A	1.26E+00
ENSBTAG00000024809	5.67E-10	4.52E-10		1.25E+00
ENSBTAG00000012671	4.54E-10	3.61E-10	TNIP1	1.26E+00
ENSBTAG00000038981	8.27E-10	6.59E-10		1.26E+00
ENSBTAG00000015034	1.81E-10	1.44E-10	IK	1.26E+00
ENSBTAG00000008916	5.20E-10	4.13E-10	CYFIP2	1.26E+00
ENSBTAG00000021360	3.40E-10	2.70E-10	RASGEF1C	1.26E+00
ENSBTAG00000040157	6.55E-10	5.20E-10		1.26E+00
ENSBTAG00000020860	2.46E-10	1.95E-10	CHD1	1.26E+00
ENSBTAG00000000717	2.21E-10	1.75E-10	PLPP2	1.26E+00
ENSBTAG00000020780	9.11E-11	7.21E-11	SBNO2	1.26E+00
ENSBTAG00000009482	1.70E-10	1.34E-10	AFF4	1.27E+00
ENSBTAG00000008753	7.00E-11	5.51E-11	BRD8	1.27E+00
ENSBTAG00000047244	6.88E-10	5.41E-10		1.27E+00
ENSBTAG00000047668	2.82E-10	2.22E-10		1.27E+00
ENSBTAG00000007875	2.29E-10	1.80E-10	SAFB	1.27E+00
ENSBTAG00000035399	7.00E-10	5.50E-10	OR1M1	1.27E+00
ENSBTAG00000000399	2.49E-10	1.96E-10	NANOS3	1.27E+00
ENSBTAG00000013857	6.91E-10	5.40E-10	SH2D3A	1.28E+00
ENSBTAG00000013291	1.91E-10	1.49E-10	ARMC6	1.28E+00
ENSBTAG00000001604	7.61E-10	5.95E-10		1.28E+00
ENSBTAG00000002566	5.71E-10	4.45E-10	PGPEP1	1.28E+00
ENSBTAG00000032364	5.01E-10	3.91E-10		1.28E+00
ENSBTAG00000008607	7.32E-11	5.68E-11	ARID3A	1.29E+00
ENSBTAG00000039160	3.54E-10	2.74E-10	VAV1	1.29E+00
ENSBTAG00000014828	4.99E-10	3.86E-10	CACNA1A	1.29E+00
ENSBTAG00000007550	1.60E-10	1.24E-10	OLFM2	1.29E+00
ENSBTAG00000001002	7.74E-11	5.98E-11	TCF7	1.29E+00
ENSBTAG00000017273	3.34E-10	2.57E-10	LRRC25	1.30E+00
ENSBTAG00000015433	1.47E-10	1.14E-10	APC2	1.29E+00
ENSBTAG00000010727	7.77E-10	5.98E-10	ATG4D	1.30E+00
ENSBTAG00000003498	3.16E-10	2.41E-10	FAT2	1.31E+00
ENSBTAG00000004709	2.31E-10	1.76E-10	MAPK9	1.31E+00
ENSBTAG00000001153	5.71E-10	4.33E-10	TLE2	1.32E+00
ENSBTAG00000014349	5.18E-11	3.91E-11	RNF126	1.32E+00
ENSBTAG00000025540	2.56E-10	1.93E-10	ALKBH7	1.32E+00
ENSBTAG00000025597	7.38E-11	5.58E-11	GRIN3B	1.32E+00
ENSBTAG00000015090	2.27E-10	1.72E-10	SGTA	1.32E+00
ENSBTAG00000005009	1.15E-10	8.71E-11	PRELID1	1.32E+00
ENSBTAG00000046397	3.88E-10	2.93E-10		1.32E+00
ENSBTAG00000020709	2.44E-10	1.85E-10	MAP1S	1.32E+00
ENSBTAG00000003587	2.06E-10	1.56E-10	ELL	1.32E+00
ENSBTAG00000013613	5.46E-10	4.12E-10	SMIM7	1.32E+00
ENSBTAG00000038409	3.49E-10	2.63E-10	MBD3	1.33E+00
ENSBTAG00000005441	7.28E-10	5.49E-10	ZMAT2	1.33E+00
ENSBTAG00000020843	7.18E-10	5.41E-10	PCSK1	1.33E+00
ENSBTAG00000019714	1.37E-10	1.04E-10	DAZAP1	1.32E+00
ENSBTAG00000002686	8.76E-10	6.60E-10		1.33E+00
ENSBTAG00000040482	8.76E-10	6.60E-10		1.33E+00
ENSBTAG00000020764	1.38E-10	1.05E-10	CNN2	1.32E+00
ENSBTAG00000009328	4.79E-10	3.60E-10	NWD1	1.33E+00
ENSBTAG00000012758	2.71E-10	2.03E-10	YIPF5	1.33E+00



ENSBTAG00000005249	1.20E-10	8.97E-11	RNF14	1.34E+00
ENSBTAG00000020489	1.94E-10	1.45E-10	SEMA6A	1.34E+00
ENSBTAG00000046424	2.79E-09	2.07E-09		1.35E+00
ENSBTAG00000014415	1.18E-10	8.79E-11	ZNF653	1.34E+00
ENSBTAG00000001816	1.32E-10	9.81E-11	SLC25A42	1.35E+00
ENSBTAG00000025340	4.85E-10	3.59E-10	CDHR2	1.35E+00
ENSBTAG00000015557	5.13E-10	3.80E-10		1.35E+00
ENSBTAG00000010188	4.32E-10	3.19E-10	RDH8	1.35E+00
ENSBTAG00000001763	6.34E-10	4.69E-10	NR2C2AP	1.35E+00
ENSBTAG00000000414	7.80E-10	5.75E-10		1.36E+00
ENSBTAG00000036102	1.03E-09	7.61E-10		1.36E+00
ENSBTAG00000031205	1.25E-09	9.18E-10		1.37E+00
ENSBTAG00000003836	3.63E-10	2.66E-10	ADAM19	1.36E+00
ENSBTAG00000017661	5.91E-10	4.33E-10	RFX2	1.37E+00
ENSBTAG00000024275	2.34E-10	1.71E-10	XRCC4	1.37E+00
ENSBTAG00000004369	8.51E-10	6.19E-10		1.37E+00
ENSBTAG00000001546	1.23E-10	8.93E-11	MGAT1	1.38E+00
ENSBTAG00000008752	9.47E-11	6.87E-11	NME5	1.38E+00
ENSBTAG00000047300	6.50E-10	4.71E-10		1.38E+00
ENSBTAG00000037602	2.23E-10	1.62E-10		1.38E+00
ENSBTAG00000012868	4.87E-10	3.51E-10	ZNF77	1.39E+00
ENSBTAG00000002473	8.11E-11	5.84E-11	ANGPTL4	1.39E+00
ENSBTAG00000001450	9.20E-11	6.62E-11	APBB3	1.39E+00
ENSBTAG000000037764	3.82E-10	2.75E-10	ZNRF4	1.39E+00
ENSBTAG000000004521	2.43E-10	1.75E-10	LSM7	1.39E+00
ENSBTAG00000014676	1.57E-10	1.13E-10	SHROOM1	1.39E+00
ENSBTAG00000020446	1.77E-10	1.27E-10	THOP1	1.40E+00
ENSBTAG00000021775	1.35E-10	9.58E-11	SLC4A9	1.40E+00
ENSBTAG00000017068	1.34E-10	9.49E-11		1.41E+00
ENSBTAG00000000329	5.36E-10	3.81E-10	MEGF10	1.41E+00
ENSBTAG00000020178	2.22E-10	1.58E-10	ARSK	1.41E+00
ENSBTAG00000017079	1.77E-10	1.25E-10	MFAP3	1.41E+00
ENSBTAG00000001795	2.06E-10	1.46E-10	LONP1	1.41E+00
ENSBTAG00000010541	5.27E-11	3.73E-11	ZNF346	1.41E+00
ENSBTAG00000000238	1.25E-10	8.84E-11	PSD2	1.41E+00
ENSBTAG00000011837	1.62E-10	1.15E-10	ASNA1	1.41E+00
ENSBTAG00000010179	4.86E-10	3.44E-10	COL5A3	1.41E+00
ENSBTAG00000047578	1.43E-10	1.01E-10		1.41E+00
ENSBTAG00000015625	2.27E-10	1.59E-10	DCTN4	1.43E+00
ENSBTAG00000018522	2.09E-10	1.46E-10	OAZ1	1.43E+00
ENSBTAG00000015114	1.93E-10	1.35E-10	CALR	1.43E+00
ENSBTAG00000020772	7.91E-11	5.54E-11	ARHGAP45	1.43E+00
ENSBTAG00000014114	1.73E-10	1.21E-10	KLHL26	1.43E+00
ENSBTAG00000001692	1.68E-10	1.17E-10	NDST1	1.43E+00
ENSBTAG000000031387	3.49E-10	2.43E-10	FZR1	1.43E+00
ENSBTAG00000047696	7.93E-10	5.53E-10		1.43E+00
ENSBTAG00000008202	3.42E-10	2.38E-10	PRKCSH	1.44E+00
ENSBTAG00000008609	1.64E-10	1.14E-10	08-Sep	1.44E+00
ENSBTAG00000019767	2.92E-10	2.04E-10	MIER2	1.43E+00
ENSBTAG00000018049	1.71E-10	1.19E-10	MKMK2	1.44E+00
ENSBTAG00000013251	1.82E-10	1.26E-10		1.44E+00
ENSBTAG00000012150	1.33E-10	9.13E-11		1.46E+00
ENSBTAG00000007661	2.36E-10	1.62E-10	MYO1F	1.45E+00
ENSBTAG000000031135	2.93E-10	2.01E-10	CTXN3	1.46E+00
ENSBTAG00000011255	6.29E-10	4.31E-10	ACTL9	1.46E+00
ENSBTAG00000012280	1.78E-10	1.22E-10	PGLYRP2	1.46E+00
ENSBTAG00000020759	3.01E-10	2.06E-10	NCLN	1.46E+00
ENSBTAG00000005520	9.43E-10	6.45E-10	OR7C2	1.46E+00
ENSBTAG00000001790	1.69E-10	1.15E-10	SAFB2	1.47E+00
ENSBTAG00000045762	2.80E-10	1.91E-10	SCAMP4	1.46E+00
ENSBTAG00000017074	2.11E-10	1.43E-10	ANO8	1.47E+00
ENSBTAG00000013627	1.82E-10	1.23E-10	HNRNPAB	1.48E+00
ENSBTAG00000008095	4.68E-10	3.16E-10	ACER1	1.48E+00
ENSBTAG00000013329	4.02E-10	2.72E-10	AP1M1	1.48E+00
ENSBTAG00000004188	7.22E-10	4.88E-10	SNAP47	1.48E+00
ENSBTAG00000043553	5.64E-10	3.80E-10	GPX3	1.48E+00
ENSBTAG00000027151	2.03E-10	1.36E-10	ARHGAP26	1.49E+00
ENSBTAG00000039809	5.38E-10	3.60E-10		1.49E+00
ENSBTAG00000037729	3.54E-10	2.37E-10		1.49E+00
ENSBTAG00000016264	1.78E-10	1.18E-10		1.50E+00

ENSBTAG00000013502	2.96E-10	1.95E-10	SLC1A6	1.52E+00
ENSBTAG00000005288	3.59E-10	2.37E-10	GFRA3	1.52E+00
ENSBTAG000000039130	7.57E-10	4.98E-10		1.52E+00
ENSBTAG00000020904	1.41E-10	9.27E-11	JAK3	1.52E+00
ENSBTAG00000008841	2.04E-10	1.34E-10	DCAF15	1.52E+00
ENSBTAG00000006619	5.69E-10	3.71E-10	MATK	1.53E+00
ENSBTAG00000011811	1.31E-10	8.55E-11	TNPO2	1.53E+00
ENSBTAG00000015683	4.19E-10	2.72E-10	HSPA4	1.54E+00
ENSBTAG00000030366	2.50E-10	1.62E-10	RBM22	1.54E+00
ENSBTAG00000020954	2.07E-10	1.34E-10	TRIM7	1.54E+00
ENSBTAG00000038541	1.99E-10	1.29E-10	ZNF879	1.54E+00
ENSBTAG00000045972	2.38E-09	1.54E-09		1.54E+00
ENSBTAG00000031246	4.78E-10	3.10E-10	CCNI2	1.54E+00
ENSBTAG00000016094	6.00E-10	3.88E-10	SLC36A1	1.55E+00
ENSBTAG00000000810	3.26E-10	2.11E-10	COPE	1.54E+00
ENSBTAG00000006068	3.14E-10	2.03E-10	CC2D1A	1.54E+00
ENSBTAG00000007116	2.65E-10	1.71E-10	ARRDC3	1.55E+00
ENSBTAG00000001764	5.63E-10	3.62E-10	NCAN	1.56E+00
ENSBTAG00000045588	1.53E-09	9.86E-10		1.56E+00
ENSBTAG00000030210	5.73E-10	3.66E-10	SLCO6A1	1.56E+00
ENSBTAG00000014746	4.48E-10	2.87E-10	CATSPER3	1.56E+00
ENSBTAG00000001462	1.66E-10	1.06E-10	FLT4	1.57E+00
ENSBTAG00000009330	8.93E-10	5.70E-10	SIN3B	1.57E+00
ENSBTAG00000003502	5.97E-10	3.80E-10		1.57E+00
ENSBTAG00000006080	3.61E-10	2.29E-10	MAST1	1.57E+00
ENSBTAG00000009479	1.35E-10	8.51E-11	UQCRQ	1.59E+00
ENSBTAG00000046718	2.06E-10	1.29E-10	TEX43	1.59E+00
ENSBTAG00000025452	1.38E-10	8.69E-11	SF3A2	1.59E+00
ENSBTAG00000013628	2.33E-10	1.47E-10	PHYKPL	1.59E+00
ENSBTAG00000010363	1.81E-10	1.14E-10	LSM11	1.59E+00
ENSBTAG00000019325	1.26E-10	7.95E-11	TRMT1	1.59E+00
ENSBTAG00000011207	6.28E-11	3.95E-11	CNN1	1.59E+00
ENSBTAG00000008789	8.63E-11	5.43E-11		1.59E+00
ENSBTAG00000017748	2.97E-10	1.87E-10	RNF44	1.59E+00
ENSBTAG00000046188	1.05E-10	6.60E-11	ELANE	1.59E+00
ENSBTAG00000005570	1.33E-10	8.35E-11	WNT8A	1.59E+00
ENSBTAG00000003947	1.67E-10	1.05E-10	SSBP4	1.59E+00
ENSBTAG00000047576	3.55E-10	2.23E-10		1.59E+00
ENSBTAG00000039711	6.02E-11	3.79E-11	ZFP62	1.59E+00
ENSBTAG00000002525	1.21E-10	7.60E-11		1.59E+00
ENSBTAG00000012014	1.01E-10	6.39E-11		1.59E+00
ENSBTAG00000016477	1.88E-10	1.18E-10	C19orf35	1.59E+00
ENSBTAG00000015187	8.81E-11	5.55E-11	DDX41	1.59E+00
ENSBTAG00000047217	8.86E-11	5.58E-11	MED16	1.59E+00
ENSBTAG00000002100	2.68E-10	1.69E-10	GZMM	1.59E+00
ENSBTAG00000008395	2.21E-10	1.39E-10	APBA3	1.59E+00
ENSBTAG00000030517	9.15E-11	5.76E-11		1.59E+00
ENSBTAG00000014982	4.03E-10	2.54E-10	C19orf71	1.59E+00
ENSBTAG00000017957	6.34E-11	3.99E-11	SPATA24	1.59E+00
ENSBTAG00000015830	1.28E-10	8.07E-11	SLC5A5	1.59E+00
ENSBTAG00000006368	2.72E-10	1.71E-10	N4BP3	1.59E+00
ENSBTAG00000048170	3.39E-10	2.13E-10	PCDHA11	1.59E+00
ENSBTAG00000020353	3.00E-10	1.89E-10	PFN3	1.59E+00
ENSBTAG00000012223	1.16E-10	7.32E-11	TNFSF14	1.59E+00
ENSBTAG00000034743	6.76E-10	4.24E-10		1.59E+00
ENSBTAG00000047180	5.25E-10	3.30E-10		1.59E+00
ENSBTAG00000047182	5.25E-10	3.30E-10		1.59E+00
ENSBTAG00000010314	4.67E-10	2.93E-10		1.59E+00
ENSBTAG00000006216	7.06E-10	4.44E-10		1.59E+00
ENSBTAG00000005434	6.54E-10	4.11E-10	PLVAP	1.59E+00
ENSBTAG00000048025	5.31E-10	3.33E-10		1.59E+00
ENSBTAG00000012062	1.87E-10	1.17E-10	PRDX2	1.59E+00
ENSBTAG00000017360	1.27E-10	7.98E-11		1.59E+00
ENSBTAG00000039533	7.02E-10	4.41E-10		1.59E+00
ENSBTAG00000011216	1.64E-10	1.03E-10		1.59E+00
ENSBTAG00000048033	7.42E-10	4.66E-10	SMIM15	1.59E+00
ENSBTAG00000016065	6.93E-10	4.35E-10		1.59E+00
ENSBTAG00000046417	8.57E-10	5.37E-10		1.59E+00
ENSBTAG00000036331	8.76E-10	5.50E-10		1.59E+00
ENSBTAG00000013880	8.09E-10	5.06E-10	WWC1	1.60E+00

ENSBTAG00000009071	6.22E-10	3.88E-10	ZNF699	1.60E+00
ENSBTAG00000030286	2.66E-10	1.66E-10	GABRA1	1.60E+00
ENSBTAG00000013183	2.69E-10	1.68E-10	COL23A1	1.60E+00
ENSBTAG00000011125	4.00E-10	2.48E-10	MYO9B	1.61E+00
ENSBTAG00000004294	1.34E-10	8.25E-11	EVI5L	1.62E+00
ENSBTAG00000006756	1.62E-10	1.00E-10		1.62E+00
ENSBTAG00000001862	3.40E-10	2.09E-10	PPP2R2B	1.62E+00
ENSBTAG00000008570	2.39E-10	1.47E-10		1.62E+00
ENSBTAG00000012095	2.82E-10	1.73E-10	GEMIN5	1.63E+00
ENSBTAG00000010251	2.60E-10	1.59E-10	GABRG2	1.63E+00
ENSBTAG00000010303	2.91E-10	1.77E-10	ICAM1	1.64E+00
ENSBTAG00000013288	1.90E-10	1.16E-10	SUGP2	1.64E+00
ENSBTAG00000020809	6.66E-10	4.07E-10	SLC36A2	1.64E+00
ENSBTAG00000012687	3.58E-10	2.18E-10	INSR	1.64E+00
ENSBTAG000000021675	2.19E-10	1.33E-10	PJA2	1.65E+00
ENSBTAG000000021471	1.98E-10	1.20E-10	GIN1	1.65E+00
ENSBTAG00000013185	9.94E-10	5.98E-10	TIMD4	1.66E+00
ENSBTAG000000020766	9.43E-11	5.63E-11	ABCA7	1.67E+00
ENSBTAG000000039319	1.94E-10	1.16E-10		1.67E+00
ENSBTAG00000017451	3.56E-10	2.12E-10	TSPAN17	1.68E+00
ENSBTAG000000037968	6.10E-10	3.63E-10	PCDHGB1	1.68E+00
ENSBTAG000000011642	2.37E-10	1.41E-10		1.68E+00
ENSBTAG000000021829	4.75E-10	2.82E-10	GM2A	1.69E+00
ENSBTAG000000014320	4.11E-10	2.43E-10	SRFBP1	1.69E+00
ENSBTAG000000002736	3.17E-10	1.88E-10	DNMT1	1.69E+00
ENSBTAG000000025748	1.75E-10	1.04E-10		1.68E+00
ENSBTAG000000019220	2.17E-10	1.28E-10	SMARCA4	1.70E+00
ENSBTAG000000014898	5.02E-10	2.96E-10	HK3	1.69E+00
ENSBTAG000000046406	1.24E-10	7.28E-11	R3HDM4	1.70E+00
ENSBTAG000000005800	4.87E-10	2.86E-10	GRIA1	1.70E+00
ENSBTAG000000008578	3.80E-10	2.22E-10	LSM4	1.71E+00
ENSBTAG000000014775	2.23E-10	1.30E-10	GUK1	1.71E+00
ENSBTAG000000016775	7.19E-10	4.20E-10	SLC27A1	1.71E+00
ENSBTAG000000002937	6.53E-10	3.80E-10	ADGRE3	1.72E+00
ENSBTAG000000002524	1.66E-10	9.65E-11	MRI1	1.72E+00
ENSBTAG000000000469	8.60E-11	5.00E-11	PPP2CA	1.72E+00
ENSBTAG000000009178	2.34E-10	1.36E-10	STXBP2	1.72E+00
ENSBTAG000000004524	2.28E-10	1.32E-10	SPPL2B	1.73E+00
ENSBTAG000000038055	1.69E-10	9.74E-11	KLF16	1.73E+00
ENSBTAG000000009569	7.08E-10	4.08E-10	DOCK6	1.74E+00
ENSBTAG000000038976	3.07E-10	1.76E-10	ZGLP1	1.74E+00
ENSBTAG000000008340	5.41E-10	3.09E-10	ATOX1	1.75E+00
ENSBTAG000000044035	3.12E-10	1.79E-10	GPRIN1	1.74E+00
ENSBTAG000000005010	2.08E-10	1.19E-10	MXD3	1.75E+00
ENSBTAG000000009034	2.00E-10	1.14E-10	AP3D1	1.76E+00
ENSBTAG000000002277	3.03E-10	1.72E-10	MLLT1	1.76E+00
ENSBTAG000000031363	2.59E-10	1.47E-10	AES	1.76E+00
ENSBTAG000000003528	1.10E-09	6.21E-10		1.78E+00
ENSBTAG000000025426	1.47E-10	8.31E-11	NSD1	1.77E+00
ENSBTAG00000009990	4.99E-10	2.81E-10	EPS15L1	1.78E+00
ENSBTAG000000012634	3.37E-10	1.88E-10	NDUFB7	1.79E+00
ENSBTAG000000038549	1.93E-10	1.08E-10		1.79E+00
ENSBTAG000000005961	3.64E-10	2.03E-10	CDC42SE2	1.79E+00
ENSBTAG000000002475	1.54E-10	8.59E-11	RAB11B	1.79E+00
ENSBTAG000000006124	1.65E-10	9.24E-11	MAU2	1.79E+00
ENSBTAG000000034909	7.63E-10	4.26E-10		1.79E+00
ENSBTAG000000017280	1.44E-10	8.05E-11	C3	1.79E+00
ENSBTAG000000030297	7.05E-10	3.93E-10		1.79E+00
ENSBTAG000000013977	4.73E-10	2.63E-10	PRSS38	1.80E+00
ENSBTAG000000005198	2.89E-10	1.61E-10	FGF1	1.80E+00
ENSBTAG000000000718	4.82E-10	2.67E-10	TMPRSS9	1.81E+00
ENSBTAG000000001817	3.42E-10	1.89E-10	TMEM161A	1.81E+00
ENSBTAG000000004604	3.86E-10	2.14E-10	CCDC124	1.80E+00
ENSBTAG000000039355	4.39E-10	2.43E-10	MADCAM1	1.81E+00
ENSBTAG000000002495	1.63E-10	8.96E-11	BRD4	1.81E+00
ENSBTAG000000045909	9.19E-10	5.07E-10	FAM174A	1.81E+00
ENSBTAG000000016137	1.42E-10	7.81E-11	ZNF608	1.82E+00
ENSBTAG000000012181	4.00E-10	2.19E-10	GNA11	1.83E+00
ENSBTAG000000007660	1.56E-10	8.44E-11	ZNF414	1.85E+00
ENSBTAG000000020924	1.17E-10	6.29E-11	FBXW9	1.85E+00

ENSBTAG00000009661	1.66E-10	8.94E-11	RNA5EH2A	1.85E+00
ENSBTAG00000021766	1.03E-10	5.53E-11	HBEGF	1.85E+00
ENSBTAG00000011699	1.54E-10	8.30E-11	CDC37	1.85E+00
ENSBTAG00000003103	2.05E-10	1.11E-10	EIF4E1B	1.85E+00
ENSBTAG00000039986	6.14E-10	3.30E-10		1.86E+00
ENSBTAG00000018845	2.11E-10	1.14E-10	DND1	1.85E+00
ENSBTAG00000007557	6.20E-10	3.33E-10	OR2AK2	1.86E+00
ENSBTAG00000009565	2.33E-10	1.25E-10	RASA1	1.86E+00
ENSBTAG00000045589	6.24E-10	3.36E-10		1.86E+00
ENSBTAG00000017835	7.11E-10	3.83E-10	C5orf63	1.86E+00
ENSBTAG00000000755	2.37E-10	1.27E-10	ZFR2	1.86E+00
ENSBTAG00000006428	2.25E-10	1.21E-10	ZNF354A	1.86E+00
ENSBTAG00000016145	4.04E-10	2.17E-10	ADAMTS19	1.86E+00
ENSBTAG000000033061	1.61E-09	8.64E-10		1.87E+00
ENSBTAG00000027728	1.52E-10	8.09E-11	NUDT12	1.88E+00
ENSBTAG00000006797	6.51E-10	3.43E-10	03-Mar	1.90E+00
ENSBTAG000000014772	1.66E-10	8.70E-11	NUDCD2	1.90E+00
ENSBTAG00000002311	1.80E-10	9.46E-11	REEP6	1.91E+00
ENSBTAG00000046837	5.87E-10	3.07E-10	ZNF358	1.91E+00
ENSBTAG00000010439	1.33E-10	6.93E-11	AKAP8L	1.91E+00
ENSBTAG00000025071	3.93E-10	2.05E-10	TENM2	1.92E+00
ENSBTAG00000016108	3.32E-10	1.72E-10	BTBD2	1.93E+00
ENSBTAG00000047424	4.35E-10	2.25E-10		1.93E+00
ENSBTAG00000000413	3.83E-10	1.98E-10	NRTN	1.94E+00
ENSBTAG000000004191	2.68E-10	1.39E-10	JMJD4	1.92E+00
ENSBTAG00000012678	8.06E-10	4.15E-10	COLGALT1	1.94E+00
ENSBTAG00000015957	2.29E-10	1.18E-10	IL4	1.94E+00
ENSBTAG00000009996	2.06E-10	1.06E-10	DOT1L	1.94E+00
ENSBTAG00000011763	3.89E-10	1.99E-10	RIOK2	1.95E+00
ENSBTAG00000000495	8.30E-10	4.24E-10		1.96E+00
ENSBTAG00000008520	3.16E-10	1.61E-10	NFIC	1.96E+00
ENSBTAG00000019285	4.53E-10	2.30E-10		1.97E+00
ENSBTAG00000011252	5.91E-10	3.00E-10	RAD50	1.97E+00
ENSBTAG00000048107	1.45E-10	7.38E-11	CANX	1.97E+00
ENSBTAG00000017078	1.79E-10	9.00E-11	FAM114A2	1.99E+00
ENSBTAG00000009738	7.59E-11	3.82E-11	MGAT4B	1.98E+00
ENSBTAG00000048053	9.68E-11	4.87E-11	SLBP2	1.99E+00
ENSBTAG00000002796	2.12E-10	1.07E-10	KLHL3	1.98E+00
ENSBTAG00000047377	3.15E-10	1.59E-10		1.98E+00
ENSBTAG00000015228	5.27E-11	2.66E-11	CD74	1.98E+00
ENSBTAG00000030518	5.07E-11	2.55E-11	ECSCR	1.98E+00
ENSBTAG00000045644	4.32E-10	2.17E-10	OR2T6	1.99E+00
ENSBTAG00000030584	2.19E-10	1.10E-10	SLC35A4	1.99E+00
ENSBTAG000000031383	2.40E-10	1.21E-10	SMIM24	1.98E+00
ENSBTAG00000004602	2.37E-10	1.19E-10	PITX1	1.99E+00
ENSBTAG00000048017	5.42E-10	2.72E-10		1.99E+00
ENSBTAG00000025448	1.33E-10	6.71E-11	IZUMO4	1.98E+00
ENSBTAG000000039337	5.57E-10	2.80E-10		1.99E+00
ENSBTAG00000039921	1.31E-09	6.54E-10		2.00E+00
ENSBTAG00000019287	4.21E-10	2.06E-10	FAM81B	2.04E+00
ENSBTAG00000021036	2.75E-10	1.34E-10	02-Mar	2.05E+00
ENSBTAG00000047888	1.55E-09	7.51E-10		2.06E+00
ENSBTAG00000008224	6.03E-11	2.92E-11	PAIP2	2.06E+00
ENSBTAG00000012943	2.77E-10	1.34E-10	PPARGC1B	2.07E+00
ENSBTAG00000020041	1.06E-10	5.09E-11	FAM13B	2.07E+00
ENSBTAG00000000710	3.12E-10	1.50E-10	PIP5K1C	2.08E+00
ENSBTAG00000014665	4.26E-10	2.05E-10	ADAMTS2	2.08E+00
ENSBTAG00000045860	1.09E-09	5.23E-10		2.08E+00
ENSBTAG00000012994	4.82E-10	2.30E-10	LOX	2.10E+00
ENSBTAG00000020087	1.62E-10	7.73E-11	CAMK2A	2.10E+00
ENSBTAG00000047933	2.50E-10	1.18E-10	CYP4F22	2.12E+00
ENSBTAG00000009103	6.54E-11	3.09E-11	UBLCP1	2.11E+00
ENSBTAG00000025809	9.42E-11	4.45E-11	ABHD8	2.11E+00
ENSBTAG00000015184	1.46E-10	6.91E-11	SYDE1	2.12E+00
ENSBTAG00000008197	1.25E-10	5.89E-11	EPOR	2.12E+00
ENSBTAG00000012834	1.18E-10	5.58E-11	ARSI	2.12E+00
ENSBTAG00000046318	7.02E-10	3.30E-10		2.13E+00
ENSBTAG00000044046	7.56E-10	3.55E-10	SGCD	2.13E+00
ENSBTAG00000046249	1.39E-09	6.50E-10		2.13E+00
ENSBTAG00000026148	9.32E-10	4.36E-10		2.14E+00

ENSBTAG00000006064	2.74E-10	1.27E-10	C19orf57	2.15E+00
ENSBTAG00000046717	9.40E-10	4.36E-10		2.16E+00
ENSBTAG00000021519	4.02E-10	1.86E-10	CAMLG	2.16E+00
ENSBTAG00000014207	3.21E-10	1.49E-10	ADAMTS10	2.16E+00
ENSBTAG00000010545	1.21E-10	5.53E-11	KXD1	2.18E+00
ENSBTAG00000010772	2.43E-10	1.11E-10	TPGS1	2.19E+00
ENSBTAG00000046688	6.52E-10	2.98E-10		2.19E+00
ENSBTAG00000020701	2.27E-10	1.03E-10	MEF2C	2.21E+00
ENSBTAG00000014412	2.57E-10	1.16E-10	ELAVL3	2.21E+00
ENSBTAG00000027727	3.83E-10	1.73E-10		2.21E+00
ENSBTAG00000005295	1.42E-10	6.36E-11	SLC35E1	2.22E+00
ENSBTAG00000001247	1.95E-10	8.75E-11	LECT2	2.22E+00
ENSBTAG00000020232	3.26E-10	1.45E-10	REXO1	2.25E+00
ENSBTAG00000012387	1.90E-10	8.49E-11	PAM	2.24E+00
ENSBTAG00000046744	1.55E-10	6.89E-11	PALM3	2.25E+00
ENSBTAG00000014661	6.20E-10	2.76E-10	CHSY3	2.25E+00
ENSBTAG00000000811	3.60E-10	1.60E-10	DDX49	2.25E+00
ENSBTAG00000002882	5.35E-10	2.37E-10	LMNB1	2.26E+00
ENSBTAG00000047177	7.23E-10	3.18E-10		2.27E+00
ENSBTAG00000025029	4.21E-10	1.85E-10	MAN2A1	2.28E+00
ENSBTAG00000013744	2.37E-10	1.04E-10	SYNPO	2.28E+00
ENSBTAG00000008497	4.11E-10	1.80E-10	RGS14	2.29E+00
ENSBTAG00000027241	1.78E-09	7.76E-10		2.29E+00
ENSBTAG00000009646	3.27E-10	1.42E-10	ALDH7A1	2.30E+00
ENSBTAG000000019140	4.74E-10	2.05E-10	SPINK5	2.31E+00
ENSBTAG00000011356	2.05E-10	8.82E-11	CAMSAP3	2.32E+00
ENSBTAG00000012411	3.16E-10	1.34E-10	HAPLN1	2.36E+00
ENSBTAG00000009105	5.30E-10	2.24E-10	ACSBG2	2.36E+00
ENSBTAG00000016515	6.42E-10	2.70E-10	EFNA5	2.38E+00
ENSBTAG00000001152	1.90E-10	7.95E-11	TLE6	2.38E+00
ENSBTAG00000009131	2.76E-10	1.16E-10	TTC37	2.38E+00
ENSBTAG000000045828	6.90E-11	2.90E-11	PTBP1	2.38E+00
ENSBTAG00000005289	1.91E-10	8.03E-11	CHERP	2.38E+00
ENSBTAG00000012592	6.33E-11	2.66E-11	ANKLE1	2.38E+00
ENSBTAG00000016933	1.44E-10	6.05E-11	IL27RA	2.38E+00
ENSBTAG00000010215	6.42E-11	2.69E-11	CREB3L3	2.38E+00
ENSBTAG00000010735	2.50E-10	1.05E-10		2.38E+00
ENSBTAG00000010068	4.10E-11	1.72E-11	REEP2	2.37E+00
ENSBTAG00000012745	2.46E-10	1.03E-10		2.38E+00
ENSBTAG00000001818	4.27E-10	1.79E-10	MEF2B	2.38E+00
ENSBTAG00000011496	2.51E-10	1.05E-10		2.39E+00
ENSBTAG00000006607	1.35E-10	5.68E-11	CCNG1	2.38E+00
ENSBTAG00000019988	5.43E-10	2.27E-10	GNA15	2.39E+00
ENSBTAG00000001084	7.83E-10	3.27E-10		2.39E+00
ENSBTAG00000022640	5.12E-10	2.14E-10		2.39E+00
ENSBTAG00000046873	9.53E-10	3.98E-10		2.39E+00
ENSBTAG00000017648	1.03E-09	4.28E-10	TIFAB	2.40E+00
ENSBTAG00000030198	4.61E-10	1.91E-10	TMEM232	2.41E+00
ENSBTAG00000012632	3.76E-10	1.54E-10	TECR	2.44E+00
ENSBTAG00000016596	1.30E-10	5.32E-11	PFDN1	2.44E+00
ENSBTAG00000016105	2.93E-10	1.19E-10	H2AFY	2.46E+00
ENSBTAG00000018894	2.44E-10	9.89E-11	PEX11G	2.46E+00
ENSBTAG00000015690	2.26E-10	9.14E-11	PLIN4	2.47E+00
ENSBTAG00000015419	6.37E-10	2.56E-10	ARHGEF37	2.49E+00
ENSBTAG00000017151	1.97E-10	7.88E-11	SH3TC2	2.50E+00
ENSBTAG00000047747	2.08E-10	8.28E-11	NDFIP1	2.51E+00
ENSBTAG00000001485	1.59E-10	6.32E-11	PPIP5K2	2.52E+00
ENSBTAG00000001807	1.46E-10	5.73E-11	AKAP8	2.54E+00
ENSBTAG00000038284	6.60E-10	2.60E-10	ZNF496	2.54E+00
ENSBTAG00000006694	3.14E-10	1.23E-10	CXCL14	2.55E+00
ENSBTAG00000002645	4.95E-10	1.94E-10	SH3BP5L	2.55E+00
ENSBTAG00000003259	2.22E-10	8.72E-11	TCERG1	2.55E+00
ENSBTAG00000038696	2.49E-10	9.74E-11	RAB8A	2.55E+00
ENSBTAG00000046319	3.27E-10	1.28E-10		2.55E+00
ENSBTAG00000001796	2.96E-10	1.15E-10	CATSPERD	2.58E+00
ENSBTAG00000003986	1.34E-10	5.18E-11	CXXC5	2.58E+00
ENSBTAG00000015042	2.17E-10	8.41E-11	WDR55	2.58E+00
ENSBTAG00000021971	3.22E-10	1.25E-10	SNCAIP	2.58E+00
ENSBTAG00000006069	6.98E-10	2.69E-10	CAPS	2.59E+00
ENSBTAG00000011805	2.76E-10	1.05E-10	PLIN3	2.62E+00

ENSBTAG00000002527	1.52E-10	5.80E-11	ZSWIM4	2.62E+00
ENSBTAG00000002516	1.82E-10	6.87E-11	CCDC130	2.65E+00
ENSBTAG00000006244	3.13E-10	1.18E-10	WDR83OS	2.65E+00
ENSBTAG00000019925	4.92E-10	1.85E-10		2.66E+00
ENSBTAG00000010063	6.78E-11	2.55E-11	KDM3B	2.65E+00
ENSBTAG00000018342	4.46E-10	1.65E-10	TJP3	2.70E+00
ENSBTAG00000003051	4.26E-10	1.54E-10	FER	2.77E+00
ENSBTAG00000020117	1.80E-10	6.46E-11	ZBTB7A	2.78E+00
ENSBTAG00000015567	1.32E-10	4.76E-11	TIMM44	2.78E+00
ENSBTAG00000046663	2.96E-10	1.06E-10	CBY3	2.79E+00
ENSBTAG00000025124	1.80E-10	6.49E-11		2.78E+00
ENSBTAG00000046115	6.12E-10	2.19E-10		2.79E+00
ENSBTAG00000035396	6.14E-10	2.20E-10	OR7D2	2.79E+00
ENSBTAG00000025462	2.72E-10	9.77E-11	GADD45B	2.78E+00
ENSBTAG00000013834	1.35E-10	4.86E-11		2.78E+00
ENSBTAG00000020351	1.96E-10	6.93E-11	SLC34A1	2.82E+00
ENSBTAG00000002469	3.03E-10	1.08E-10	KANK3	2.81E+00
ENSBTAG00000025182	3.00E-10	1.05E-10		2.85E+00
ENSBTAG00000009667	4.10E-10	1.44E-10	SLC25A46	2.85E+00
ENSBTAG00000009637	5.97E-10	2.08E-10	SLC12A2	2.87E+00
ENSBTAG00000047817	9.86E-10	3.37E-10		2.93E+00
ENSBTAG00000014773	2.69E-10	9.19E-11	HMMR	2.93E+00
ENSBTAG00000018847	3.70E-10	1.26E-10	HARS	2.93E+00
ENSBTAG00000007741	1.54E-10	5.18E-11	CRLF1	2.97E+00
ENSBTAG000000021772	1.92E-10	6.46E-11	SMAD5	2.97E+00
ENSBTAG00000003544	3.00E-10	1.01E-10	S1PR5	2.97E+00
ENSBTAG00000002738	3.60E-10	1.20E-10	S1PR2	3.00E+00
ENSBTAG00000015735	3.93E-10	1.30E-10		3.02E+00
ENSBTAG00000008396	5.00E-10	1.65E-10	MRPL54	3.03E+00
ENSBTAG00000014526	2.03E-10	6.66E-11	MOB3A	3.05E+00
ENSBTAG00000011131	2.69E-10	8.76E-11	NMUR2	3.07E+00
ENSBTAG000000009513	2.56E-10	8.25E-11	TGFBI	3.09E+00
ENSBTAG00000009389	1.46E-10	4.58E-11	HNRNPH1	3.18E+00
ENSBTAG00000015117	1.33E-10	4.18E-11	GADD45GIP1	3.17E+00
ENSBTAG00000008906	2.24E-10	7.03E-11	PCP2	3.18E+00
ENSBTAG00000016352	9.45E-11	2.97E-11	STX10	3.17E+00
ENSBTAG00000020720	2.91E-10	9.15E-11	C1orf35	3.18E+00
ENSBTAG00000001767	7.73E-11	2.43E-11	B4GALT7	3.17E+00
ENSBTAG00000004826	1.01E-10	3.17E-11	ACP5	3.17E+00
ENSBTAG000000038510	3.52E-10	1.11E-10		3.17E+00
ENSBTAG00000004657	3.33E-10	1.05E-10	FBLL1	3.17E+00
ENSBTAG00000045800	3.37E-10	1.06E-10		3.18E+00
ENSBTAG00000040109	3.39E-10	1.06E-10		3.19E+00
ENSBTAG000000031235	4.11E-10	1.29E-10	IL5	3.18E+00
ENSBTAG00000047016	2.98E-10	9.36E-11		3.18E+00
ENSBTAG00000016478	1.78E-10	5.60E-11	LINGO3	3.17E+00
ENSBTAG00000006073	2.61E-10	8.21E-11	PODNL1	3.18E+00
ENSBTAG000000047695	5.54E-10	1.74E-10		3.18E+00
ENSBTAG00000030722	4.84E-10	1.52E-10	OR2M4	3.18E+00
ENSBTAG00000037458	6.69E-10	2.10E-10		3.19E+00
ENSBTAG00000038623	7.13E-10	2.24E-10		3.18E+00
ENSBTAG00000021774	2.41E-10	7.48E-11	CELF5	3.22E+00
ENSBTAG00000018946	6.84E-10	2.12E-10	FAM129C	3.22E+00
ENSBTAG00000006107	1.82E-10	5.62E-11	SLF1	3.23E+00
ENSBTAG00000016595	2.49E-10	7.74E-11	CYSTM1	3.22E+00
ENSBTAG00000012032	4.94E-10	1.52E-10	PDE4A	3.25E+00
ENSBTAG00000025099	1.45E-10	4.44E-11	RNF145	3.26E+00
ENSBTAG00000016874	3.79E-10	1.12E-10		3.39E+00
ENSBTAG00000018322	3.58E-10	1.06E-10	SEC24A	3.38E+00
ENSBTAG00000001273	4.63E-10	1.36E-10	NLRP3	3.40E+00
ENSBTAG00000021018	3.67E-10	1.08E-10	KHSRP	3.40E+00
ENSBTAG00000018375	6.49E-10	1.89E-10	ATCAY	3.43E+00
ENSBTAG00000008397	3.82E-10	1.11E-10	ZNF555	3.44E+00
ENSBTAG00000001765	3.69E-10	1.07E-10	HAPLN4	3.44E+00
ENSBTAG00000047799	5.38E-10	1.56E-10		3.45E+00
ENSBTAG00000010731	4.31E-10	1.25E-10	CDKN2D	3.44E+00
ENSBTAG00000025345	7.25E-10	2.10E-10	ARL10	3.45E+00
ENSBTAG00000002136	4.89E-10	1.41E-10	FCHO1	3.47E+00
ENSBTAG00000006116	5.62E-10	1.61E-10	SUGP1	3.49E+00
ENSBTAG00000045941	3.09E-10	8.87E-11	C5orf30	3.49E+00

ENSBTAG00000021226	1.55E-10	4.44E-11	SAR1B	3.48E+00
ENSBTAG00000019651	4.76E-10	1.35E-10	TRIM52	3.52E+00
ENSBTAG00000047625	4.43E-10	1.24E-10		3.57E+00
ENSBTAG00000012086	1.68E-10	4.69E-11	CNOT8	3.57E+00
ENSBTAG00000011864	2.16E-10	6.02E-11	RGMB	3.58E+00
ENSBTAG00000010734	3.11E-10	8.68E-11	NOP16	3.58E+00
ENSBTAG00000039275	7.77E-10	2.16E-10	ERAP2	3.59E+00
ENSBTAG00000016072	2.10E-10	5.84E-11	SHC2	3.60E+00
ENSBTAG00000005293	1.10E-10	3.03E-11	CDC25C	3.61E+00
ENSBTAG00000011360	3.00E-10	8.26E-11	XAB2	3.63E+00
ENSBTAG00000032293	8.50E-10	2.30E-10	TSPAN16	3.69E+00
ENSBTAG00000046139	2.02E-09	5.46E-10		3.70E+00
ENSBTAG00000038154	3.70E-10	9.78E-11	HSH2D	3.78E+00
ENSBTAG00000025477	6.26E-10	1.64E-10	KIF3A	3.81E+00
ENSBTAG00000019648	4.11E-10	1.08E-10	RACK1	3.81E+00
ENSBTAG00000014373	1.36E-10	3.54E-11	CETN3	3.83E+00
ENSBTAG00000003047	7.10E-10	1.83E-10	FAM170A	3.88E+00
ENSBTAG00000040507	5.04E-10	1.30E-10		3.87E+00
ENSBTAG00000040485	8.69E-10	2.24E-10	THEG	3.88E+00
ENSBTAG00000046105	1.52E-10	3.83E-11	PRTN3	3.97E+00
ENSBTAG00000001419	1.80E-10	4.53E-11	MRPL4	3.97E+00
ENSBTAG00000011842	1.67E-10	4.20E-11		3.97E+00
ENSBTAG00000039372	9.21E-11	2.32E-11	ODF3L2	3.96E+00
ENSBTAG00000038221	1.69E-10	4.25E-11	EFNA2	3.97E+00
ENSBTAG00000002468	3.62E-10	9.11E-11	RPS28	3.97E+00
ENSBTAG00000009570	4.39E-10	1.10E-10	ANGPTL8	3.99E+00
ENSBTAG00000018503	1.17E-10	2.95E-11		3.97E+00
ENSBTAG00000020017	4.21E-10	1.06E-10	SLC25A41	3.97E+00
ENSBTAG00000021098	4.31E-10	1.08E-10		3.98E+00
ENSBTAG00000004741	1.58E-10	3.97E-11	IL12B	3.96E+00
ENSBTAG00000005882	5.77E-10	1.44E-10	ZNF333	4.00E+00
ENSBTAG00000048066	1.54E-09	3.83E-10		4.01E+00
ENSBTAG00000021134	2.33E-10	5.79E-11	DPP9	4.02E+00
ENSBTAG00000014182	2.18E-10	5.41E-11	CTNNA1	4.03E+00
ENSBTAG00000046234	2.64E-09	6.52E-10		4.04E+00
ENSBTAG00000025212	4.83E-10	1.18E-10	HARS2	4.09E+00
ENSBTAG00000010652	5.28E-10	1.29E-10	PDE4C	4.09E+00
ENSBTAG00000014638	7.02E-10	1.71E-10	TRPC7	4.10E+00
ENSBTAG00000006247	5.47E-10	1.32E-10	DHPS	4.14E+00
ENSBTAG000000027713	3.14E-10	7.52E-11	LYSMD3	4.17E+00
ENSBTAG00000021039	2.47E-10	5.85E-11	HNRNPM	4.21E+00
ENSBTAG00000005312	2.58E-10	6.09E-11		4.24E+00
ENSBTAG00000045683	5.51E-10	1.30E-10	PCDHGA5	4.24E+00
ENSBTAG00000046798	1.36E-09	3.17E-10		4.28E+00
ENSBTAG00000017349	3.67E-10	8.53E-11	PCDHGC5	4.30E+00
ENSBTAG00000033747	1.31E-10	3.02E-11	SIL1	4.32E+00
ENSBTAG00000002447	4.12E-10	9.55E-11		4.31E+00
ENSBTAG000000031573	2.67E-10	6.11E-11		4.37E+00
ENSBTAG00000037717	5.76E-10	1.27E-10	PCDHGA7	4.53E+00
ENSBTAG00000007684	6.33E-10	1.40E-10	MSH3	4.52E+00
ENSBTAG00000015426	5.94E-10	1.29E-10	PDLM4	4.60E+00
ENSBTAG00000008759	1.18E-10	2.57E-11	CDC23	4.59E+00
ENSBTAG00000006070	4.61E-10	9.95E-11	RANBP3	4.63E+00
ENSBTAG00000031209	5.36E-10	1.14E-10	SLC22A4	4.69E+00
ENSBTAG000000047633	1.24E-10	2.60E-11		4.75E+00
ENSBTAG00000006245	3.20E-10	6.70E-11	WDR83	4.77E+00
ENSBTAG00000002305	8.77E-11	1.84E-11	PCSK4	4.74E+00
ENSBTAG00000003260	3.90E-10	8.17E-11	GPR151	4.77E+00
ENSBTAG00000021687	2.04E-10	4.23E-11	JADE2	4.81E+00
ENSBTAG00000003491	4.40E-10	8.98E-11	SLC25A23	4.89E+00
ENSBTAG00000008484	2.20E-10	4.47E-11	TMEM161B	4.91E+00
ENSBTAG00000008021	8.28E-10	1.66E-10		4.98E+00
ENSBTAG00000004403	3.31E-10	6.56E-11	CD320	5.03E+00
ENSBTAG00000018052	3.13E-10	6.21E-11		5.03E+00
ENSBTAG00000009750	5.53E-10	1.10E-10	RAX2	5.03E+00
ENSBTAG00000000668	4.41E-10	8.64E-11	SLC22A5	5.10E+00
ENSBTAG00000021013	6.14E-10	1.20E-10	TUBB4A	5.11E+00
ENSBTAG00000002098	3.66E-10	7.07E-11	CDC34	5.16E+00
ENSBTAG00000015224	2.09E-10	4.02E-11	TCOF1	5.19E+00
ENSBTAG00000002286	8.44E-11	1.61E-11	DNAJC18	5.22E+00

ENSBTAG0000007698	2.79E-10	5.27E-11	TMEM59L	5.30E+00
ENSBTAG00000033278	8.81E-10	1.65E-10	F2RL3	5.33E+00
ENSBTAG00000004161	9.23E-11	1.70E-11	UBE2D3	5.40E+00
ENSBTAG00000019646	5.33E-10	9.73E-11	TRIM41	5.47E+00
ENSBTAG00000007725	5.33E-10	9.71E-11	ARF3	5.48E+00
ENSBTAG00000048309	4.82E-10	8.74E-11	KIAA1024L	5.51E+00
ENSBTAG00000019667	1.65E-10	2.96E-11	RNF187	5.55E+00
ENSBTAG00000010798	4.48E-11	8.06E-12	SLC23A1	5.50E+00
ENSBTAG00000009566	6.02E-10	1.08E-10		5.57E+00
ENSBTAG000000047429	5.94E-10	1.06E-10		5.60E+00
ENSBTAG00000046867	6.09E-10	1.09E-10		5.58E+00
ENSBTAG00000047546	1.52E-09	2.71E-10		5.63E+00
ENSBTAG00000001116	6.39E-10	1.09E-10	P4HA2	5.85E+00
ENSBTAG00000019025	3.58E-10	6.13E-11		5.83E+00
ENSBTAG00000009803	6.09E-10	1.04E-10	SNCB	5.85E+00
ENSBTAG00000012945	3.01E-10	5.11E-11	PDE6A	5.89E+00
ENSBTAG00000004716	8.92E-10	1.49E-10	RETN	5.98E+00
ENSBTAG00000003675	1.03E-10	1.71E-11	ADGRL1	6.02E+00
ENSBTAG00000046846	9.23E-10	1.52E-10		6.07E+00
ENSBTAG00000013612	3.59E-10	5.89E-11	MBLAC2	6.08E+00
ENSBTAG000000031809	6.06E-10	9.92E-11	DENND1C	6.11E+00
ENSBTAG00000015636	1.51E-10	2.37E-11	C19orf66	6.34E+00
ENSBTAG00000025277	2.40E-10	3.77E-11	ABHD17A	6.34E+00
ENSBTAG00000006642	7.54E-11	1.19E-11	PRKACA	6.29E+00
ENSBTAG000000008758	7.80E-11	1.23E-11	KIF20A	6.30E+00
ENSBTAG00000038564	6.84E-10	1.07E-10		6.39E+00
ENSBTAG00000048208	6.95E-10	1.09E-10		6.37E+00
ENSBTAG00000046474	1.41E-09	2.20E-10		6.42E+00
ENSBTAG00000046865	1.75E-09	2.71E-10		6.44E+00
ENSBTAG00000021520	4.82E-10	7.26E-11	DDX46	6.63E+00
ENSBTAG00000037765	2.54E-10	3.78E-11	TNFAIP8L1	6.70E+00
ENSBTAG000000039877	9.77E-10	1.44E-10		6.78E+00
ENSBTAG00000016042	4.30E-10	6.00E-11	TM6SF2	7.15E+00
ENSBTAG00000039162	4.64E-10	6.47E-11	PCDHGA2	7.16E+00
ENSBTAG00000010373	4.57E-10	6.38E-11	CACTIN	7.16E+00
ENSBTAG00000046958	5.48E-10	7.64E-11		7.17E+00
ENSBTAG00000000753	2.26E-10	3.10E-11	PIAS4	7.26E+00
ENSBTAG00000033222	2.65E-10	3.61E-11	CALR3	7.31E+00
ENSBTAG00000020417	1.79E-10	2.34E-11	DAPK3	7.64E+00
ENSBTAG000000003543	6.80E-10	8.77E-11	KEAP1	7.75E+00
ENSBTAG00000007214	8.98E-11	1.13E-11	ELL2	7.89E+00
ENSBTAG00000039706	6.95E-10	8.70E-11		7.98E+00
ENSBTAG00000006067	7.84E-10	9.81E-11	VMAC	7.99E+00
ENSBTAG000000009497	8.81E-10	1.10E-10		8.01E+00
ENSBTAG00000021820	2.01E-10	2.41E-11	DDX39A	8.32E+00
ENSBTAG00000002629	2.87E-10	3.44E-11	C19orf45	8.32E+00
ENSBTAG00000046190	1.22E-09	1.45E-10	PCDHA3	8.43E+00
ENSBTAG00000004553	2.48E-10	2.87E-11	TPM4	8.62E+00
ENSBTAG00000008443	1.41E-10	1.61E-11	LARP1	8.71E+00
ENSBTAG00000003671	5.33E-10	6.08E-11	SOWAHA	8.75E+00
ENSBTAG00000007470	3.84E-10	4.19E-11	TRIM58	9.13E+00
ENSBTAG00000005272	6.90E-10	7.52E-11	DOHH	9.17E+00
ENSBTAG00000020615	7.02E-10	7.51E-11	CCDC105	9.34E+00
ENSBTAG00000039397	2.23E-10	2.34E-11	WNT3A	9.51E+00
ENSBTAG00000000764	5.04E-10	5.27E-11	GIPC1	9.54E+00
ENSBTAG00000021818	2.24E-10	2.30E-11	ADGRE5	9.72E+00
ENSBTAG00000002281	6.87E-10	6.89E-11	ZNF354C	9.96E+00
ENSBTAG00000010729	3.34E-10	3.23E-11	KRI1	1.03E+01
ENSBTAG00000015439	1.43E-09	1.30E-10		1.10E+01
ENSBTAG00000013691	1.24E-09	1.10E-10	OR2L13	1.12E+01
ENSBTAG00000014944	6.91E-10	5.92E-11	TBXA2R	1.16E+01
ENSBTAG00000014744	5.70E-10	4.63E-11	TXNDC15	1.23E+01
ENSBTAG00000021041	3.15E-10	2.55E-11	PRAM1	1.23E+01
ENSBTAG00000020721	7.19E-10	5.30E-11	MRPL55	1.35E+01
ENSBTAG00000004258	1.66E-10	1.16E-11	EEF2	1.42E+01
ENSBTAG00000021106	4.09E-10	2.85E-11	CASP14	1.43E+01
ENSBTAG00000021160	5.91E-10	3.85E-11	AP1M2	1.53E+01
ENSBTAG00000016359	2.10E-10	1.34E-11	SLCO4C1	1.55E+01
ENSBTAG00000012762	2.36E-10	1.41E-11	C5orf24	1.66E+01
ENSBTAG00000031231	2.24E-10	1.28E-11	IRF1	1.74E+01



ENSBTAG00000046103	7.63E-10	4.34E-11		1.75E+01
ENSBTAG00000030711	1.01E-09	4.84E-11	LYPD8	2.08E+01
ENSBTAG00000045539	1.02E-09	4.39E-11	PCDHA5	2.32E+01
ENSBTAG00000016783	5.77E-10	2.41E-11	PGLS	2.39E+01
ENSBTAG00000044077	5.12E-10	1.37E-11	POLR3G	3.71E+01
ENSBTAG00000046787	1.75E-09	4.61E-11	OR14C36	3.78E+01
ENSBTAG00000017123	2.57E-10	4.15E-12	ZNF354B	6.06E+01
ENSBTAG00000016179	7.09E-10	9.86E-12	CIB3	7.12E+01
ENSBTAG00000007737	1.37E-10	0	UBA52	1.38E+03
ENSBTAG00000014579	6.54E-11	0	MRPL34	6.55E+02
ENSBTAG00000024397	2.30E-10	0		2.30E+03
ENSBTAG00000017041	2.71E-10	0	PTGER1	2.71E+03
ENSBTAG00000017037	5.34E-10	0	PKN1	5.34E+03
ENSBTAG00000004085	5.27E-11	0	ASF1B	5.28E+02
ENSBTAG00000016937	5.43E-11	0	C19orf67	5.44E+02
ENSBTAG00000047132	1.35E-10	0		1.35E+03
ENSBTAG00000011825	1.34E-10	0	C19orf43	1.34E+03
ENSBTAG00000006251	2.67E-10	0		2.67E+03
ENSBTAG00000038714	8.10E-10	0		8.11E+03
ENSBTAG00000008196	1.03E-10	0	SWSAP1	1.03E+03
ENSBTAG00000046266	4.51E-10	0	TNFSF9	4.51E+03
ENSBTAG00000031794	0	0	PSPN	1.00E+00
ENSBTAG00000025550	6.18E-11	0	PRR22	6.19E+02
ENSBTAG00000018655	1.24E-10	0	MYDGF	1.24E+03
ENSBTAG00000024041	5.77E-10	0		5.77E+03
ENSBTAG00000045755	0	0		1.00E+00
ENSBTAG00000001570	6.61E-10	0	CSF2	6.61E+03
ENSBTAG00000039886	0	0		1.00E+00
ENSBTAG00000001394	1.66E-10	0	TMED9	1.66E+03
ENSBTAG00000040033	9.78E-10	0	OR2AJ1	9.78E+03
ENSBTAG00000048122	0	0		1.00E+00
ENSBTAG00000037418	2.70E-11	0	KISS1R	2.71E+02
ENSBTAG00000007480	0	0		1.00E+00
ENSBTAG00000018926	8.94E-11	0	LEAP2	8.95E+02
ENSBTAG00000018290	4.41E-10	0	IL9	4.41E+03
ENSBTAG00000014192	8.13E-11	0	LRRTM2	8.14E+02
ENSBTAG00000046926	0	0	GPX4	1.00E+00
ENSBTAG00000038337	7.87E-11	0	MZB1	7.88E+02
ENSBTAG00000002296	1.03E-10	0	TMEM173	1.03E+03
ENSBTAG00000012339	8.71E-11	0		8.72E+02
ENSBTAG00000046227	2.33E-10	0		2.33E+03
ENSBTAG00000030204	2.82E-10	0		2.82E+03
ENSBTAG00000017725	1.69E-10	0	OR11L1	1.69E+03
ENSBTAG00000030725	2.63E-10	0		2.63E+03
ENSBTAG00000022690	6.14E-10	0		6.14E+03
ENSBTAG00000046950	0	0		1.00E+00
ENSBTAG00000030714	6.04E-10	0		6.04E+03
ENSBTAG00000047560	1.30E-10	0	C2CD4C	1.30E+03
ENSBTAG00000003331	3.31E-10	0	NEUROG1	3.31E+03
ENSBTAG00000016929	0	0	HNRNPA0	1.00E+00
ENSBTAG00000030520	5.38E-11	0	PROB1	5.39E+02
ENSBTAG00000008881	0	0	PURA	1.00E+00
ENSBTAG00000018736	7.98E-10	0		7.98E+03
ENSBTAG00000046945	0	0		1.00E+00
ENSBTAG00000022663	1.71E-10	0		1.71E+03
ENSBTAG00000006649	9.96E-11	0	TSSK6	9.97E+02
ENSBTAG00000027878	3.30E-10	0		3.30E+03
ENSBTAG00000025226	0	0	IGIP	1.00E+00
ENSBTAG00000011945	1.10E-10	0	TAF7	1.10E+03
ENSBTAG00000040473	3.19E-10	0		3.19E+03
ENSBTAG00000047946	0	0		1.00E+00
ENSBTAG00000016789	0	0		1.00E+00
ENSBTAG00000045651	0	0		1.00E+00
ENSBTAG00000002144	4.58E-10	0	ADRB2	4.58E+03
ENSBTAG00000046694	1.20E-10	0	FNDC9	1.20E+03
ENSBTAG00000046080	1.63E-09	0		1.63E+04
ENSBTAG00000030274	1.16E-10	0		1.16E+03
ENSBTAG00000035395	4.38E-10	0		4.38E+03
ENSBTAG00000045635	0	0		1.00E+00
ENSBTAG00000046336	0	0		1.00E+00

ENSBTAG00000048269	0	0	CTXN1	1.00E+00
ENSBTAG00000045914	1.99E-10	0		2.00E+03
ENSBTAG00000005779	4.43E-10	0	FTMT	4.43E+03
ENSBTAG00000024713	1.36E-09	0		1.36E+04
ENSBTAG00000045852	0	9.89E-10	TAL2	1.01E-04
ENSBTAG00000047836	0	3.45E-10		2.90E-04
ENSBTAG00000046803	0	9.97E-11	GAS1	1.00E-03
ENSBTAG00000011442	6.47E-11	5.31E-10	SPAG8	1.22E-01
ENSBTAG00000001315	8.26E-11	6.48E-10	DMRTA1	1.28E-01
ENSBTAG00000011445	7.63E-11	5.19E-10		1.47E-01
ENSBTAG00000047598	5.87E-11	2.97E-10		1.98E-01
ENSBTAG00000039069	1.41E-10	5.34E-10	IFNE	2.64E-01
ENSBTAG00000011434	1.05E-10	3.12E-10		3.37E-01
ENSBTAG00000016259	1.54E-10	3.99E-10	KIAA1958	3.85E-01
ENSBTAG00000023462	4.93E-11	1.24E-10		3.98E-01
ENSBTAG00000012560	5.62E-11	1.42E-10	SFTPC	3.96E-01
ENSBTAG00000038777	8.57E-11	2.16E-10	MSMP	3.97E-01
ENSBTAG00000021586	5.00E-11	1.26E-10	FAM122A	3.97E-01
ENSBTAG00000005222	1.33E-10	3.13E-10	FAM221B	4.24E-01
ENSBTAG00000011444	3.53E-10	7.71E-10	HINT2	4.59E-01
ENSBTAG00000043983	5.86E-11	1.23E-10	LRRC19	4.77E-01
ENSBTAG00000005017	3.64E-10	7.24E-10	ZNF169	5.03E-01
ENSBTAG00000032983	1.22E-10	2.31E-10		5.29E-01
ENSBTAG00000046824	5.77E-10	1.09E-09		5.30E-01
ENSBTAG00000047748	2.79E-10	5.28E-10		5.29E-01
ENSBTAG00000018841	3.14E-10	5.89E-10	PTPN3	5.33E-01
ENSBTAG00000031517	2.52E-10	4.23E-10		5.95E-01
ENSBTAG00000016224	2.51E-10	4.16E-10	RPS7	6.04E-01
ENSBTAG00000003726	3.44E-10	5.63E-10	MTMR9	6.12E-01
ENSBTAG00000021235	1.62E-10	2.62E-10		6.18E-01
ENSBTAG00000011433	1.56E-10	2.50E-10	RGP1	6.24E-01
ENSBTAG00000021131	5.83E-11	9.18E-11	HNRNPK	6.35E-01
ENSBTAG00000000885	2.21E-10	3.49E-10		6.34E-01
ENSBTAG00000009504	8.17E-11	1.29E-10	REEP4	6.34E-01
ENSBTAG00000004578	5.49E-11	8.64E-11	LGI3	6.35E-01
ENSBTAG00000021696	1.68E-10	2.65E-10	CCIN	6.36E-01
ENSBTAG00000004592	1.99E-10	3.07E-10	SNAPC3	6.50E-01
ENSBTAG00000012757	1.69E-10	2.55E-10	GCNT1	6.62E-01
ENSBTAG00000010036	7.83E-11	1.15E-10	POLR3D	6.81E-01
ENSBTAG00000004944	5.23E-10	7.63E-10	ANXA10	6.85E-01
ENSBTAG00000021991	2.75E-10	3.93E-10	TMEFF1	7.00E-01
ENSBTAG00000010178	2.61E-10	3.70E-10	PTPRD	7.06E-01
ENSBTAG00000034325	1.31E-09	1.83E-09		7.15E-01
ENSBTAG00000006478	6.27E-11	8.78E-11	C9orf64	7.14E-01
ENSBTAG00000005667	1.38E-10	1.92E-10		7.21E-01
ENSBTAG00000025928	1.60E-09	2.21E-09		7.25E-01
ENSBTAG00000014430	8.07E-11	1.11E-10	CDC26	7.28E-01
ENSBTAG00000031682	4.90E-10	6.69E-10	ZNF484	7.32E-01
ENSBTAG00000015027	5.66E-10	7.73E-10		7.33E-01
ENSBTAG00000020749	1.44E-10	1.94E-10	AAED1	7.40E-01
ENSBTAG00000016225	3.74E-10	5.02E-10	COLEC11	7.44E-01
ENSBTAG00000009764	1.82E-10	2.40E-10		7.59E-01
ENSBTAG00000005092	5.13E-10	6.72E-10	ROR2	7.63E-01
ENSBTAG00000013838	2.75E-10	3.60E-10	ALLC	7.65E-01
ENSBTAG00000000250	1.46E-09	1.91E-09	HDHD3	7.64E-01
ENSBTAG00000038489	6.72E-10	8.71E-10	DCDC2C	7.72E-01
ENSBTAG00000014467	1.84E-10	2.39E-10		7.72E-01
ENSBTAG00000047788	2.67E-10	3.44E-10		7.78E-01
ENSBTAG00000021573	1.75E-10	2.26E-10	DCAF12	7.74E-01
ENSBTAG00000047551	1.28E-09	1.63E-09	IFN-tau-c1	7.83E-01
ENSBTAG00000040034	5.40E-10	6.88E-10		7.85E-01
ENSBTAG00000010247	1.89E-10	2.40E-10	FKTN	7.86E-01
ENSBTAG00000047195	1.13E-09	1.42E-09		7.92E-01
ENSBTAG00000025954	1.88E-10	2.37E-10		7.95E-01
ENSBTAG00000045958	3.51E-10	4.42E-10		7.94E-01
ENSBTAG00000048007	1.89E-10	2.39E-10		7.92E-01
ENSBTAG00000047237	3.50E-10	4.41E-10		7.93E-01
ENSBTAG00000047209	5.77E-10	7.27E-10		7.94E-01
ENSBTAG00000011874	1.38E-10	1.74E-10	TMEM252	7.93E-01
ENSBTAG00000023412	2.56E-10	3.23E-10	IZUMO3	7.94E-01

ENSBTAG0000001221	9.91E-11	1.25E-10	NKX3-1	7.93E-01
ENSBTAG00000015804	3.01E-11	3.80E-11	SIGMAR1	7.94E-01
ENSBTAG00000045585	9.92E-11	1.25E-10		7.93E-01
ENSBTAG00000012684	8.58E-11	1.08E-10	CCL19	7.95E-01
ENSBTAG00000000699	1.11E-10	1.40E-10		7.94E-01
ENSBTAG00000025792	8.61E-11	1.09E-10	ARID3C	7.90E-01
ENSBTAG00000020385	1.05E-10	1.32E-10	ALDH1B1	7.94E-01
ENSBTAG00000046456	4.26E-10	5.37E-10		7.94E-01
ENSBTAG00000038308	2.56E-10	3.23E-10		7.94E-01
ENSBTAG00000000203	1.37E-10	1.72E-10	ATP6V1G1	7.95E-01
ENSBTAG00000047782	4.32E-10	5.45E-10		7.93E-01
ENSBTAG00000038086	8.53E-11	1.07E-10		7.97E-01
ENSBTAG00000047982	7.00E-10	8.83E-10		7.93E-01
ENSBTAG00000046729	7.43E-11	9.36E-11		7.94E-01
ENSBTAG00000002454	1.31E-10	1.65E-10	ALG2	7.96E-01
ENSBTAG00000015757	1.14E-10	1.44E-10	PHYHIP	7.92E-01
ENSBTAG000000009073	1.89E-09	2.38E-09		7.93E-01
ENSBTAG00000045506	1.66E-09	2.09E-09		7.95E-01
ENSBTAG00000046638	1.16E-09	1.46E-09		7.95E-01
ENSBTAG00000039530	1.15E-10	1.45E-10	NEFM	7.92E-01
ENSBTAG00000034867	1.86E-10	2.31E-10	TMEM38B	8.05E-01
ENSBTAG00000047103	6.61E-10	8.12E-10	IDNK	8.14E-01
ENSBTAG00000025830	4.03E-10	4.95E-10	R3HCC1	8.15E-01
ENSBTAG00000000804	3.51E-10	4.29E-10	MOB3B	8.18E-01
ENSBTAG000000000076	4.75E-10	5.81E-10	RECK	8.18E-01
ENSBTAG00000012390	1.61E-10	1.95E-10	ZNF483	8.24E-01
ENSBTAG00000009087	5.05E-10	6.02E-10	GNG10	8.39E-01
ENSBTAG00000039171	4.47E-10	5.30E-10	ADAM7	8.43E-01
ENSBTAG00000009804	2.02E-10	2.38E-10	ERP44	8.49E-01
ENSBTAG00000001306	7.38E-10	8.65E-10	FXN	8.53E-01
ENSBTAG00000009596	4.00E-10	4.66E-10	C9orf43	8.58E-01
ENSBTAG00000033396	5.36E-10	6.22E-10	C9orf135	8.62E-01
ENSBTAG00000009654	4.97E-10	5.75E-10	LPAR1	8.64E-01
ENSBTAG00000011321	7.91E-10	9.11E-10	NUGGC	8.68E-01
ENSBTAG00000026123	9.58E-10	1.10E-09		8.71E-01
ENSBTAG00000013357	6.22E-10	7.10E-10	PUM3	8.76E-01
ENSBTAG00000011204	2.18E-10	2.48E-10	NINJ1	8.81E-01
ENSBTAG00000038291	1.59E-10	1.81E-10		8.81E-01
ENSBTAG00000012991	5.47E-10	6.18E-10	PRUNE2	8.85E-01
ENSBTAG00000020788	5.17E-10	5.83E-10	SLC18A1	8.87E-01
ENSBTAG00000003124	2.00E-10	2.26E-10	MFSD14B	8.87E-01
ENSBTAG00000017063	1.70E-10	1.90E-10	EPB41L4B	8.93E-01
ENSBTAG00000034391	3.86E-10	4.33E-10	EQTN	8.92E-01
ENSBTAG00000020055	2.64E-10	2.94E-10	CEP44	8.98E-01
ENSBTAG00000045868	8.82E-10	9.81E-10	ZFP37	8.99E-01
ENSBTAG00000037929	3.25E-10	3.60E-10	ADAM28	9.02E-01
ENSBTAG00000047350	9.51E-10	1.05E-09		9.06E-01
ENSBTAG00000018035	1.50E-10	1.66E-10	TGFBR1	9.02E-01
ENSBTAG00000043972	5.05E-10	5.59E-10	SLC24A2	9.04E-01
ENSBTAG00000026915	5.74E-10	6.36E-10	NEK1	9.03E-01
ENSBTAG00000010821	3.95E-10	4.35E-10	ACER2	9.07E-01
ENSBTAG00000011413	2.60E-10	2.86E-10	CCDC107	9.08E-01
ENSBTAG00000011770	5.78E-10	6.37E-10	TJP2	9.08E-01
ENSBTAG00000019939	3.60E-10	3.97E-10	SLC35D2	9.07E-01
ENSBTAG00000008836	7.18E-10	7.90E-10	ZNF782	9.09E-01
ENSBTAG00000020148	3.16E-10	3.48E-10	TEK	9.09E-01
ENSBTAG00000017077	1.26E-10	1.39E-10	CTSL2	9.04E-01
ENSBTAG00000001322	3.44E-10	3.78E-10	SAXO1	9.11E-01
ENSBTAG00000043987	2.40E-10	2.64E-10		9.11E-01
ENSBTAG000000000251	8.31E-10	9.10E-10	ALAD	9.13E-01
ENSBTAG00000004499	3.24E-10	3.55E-10	RGS3	9.14E-01
ENSBTAG00000011586	1.34E-10	1.46E-10	HABP4	9.17E-01
ENSBTAG000000008101	2.74E-10	2.98E-10	PCSK5	9.19E-01
ENSBTAG00000002252	4.71E-10	5.14E-10	CHRNA2	9.16E-01
ENSBTAG00000039827	2.13E-09	2.32E-09		9.18E-01
ENSBTAG00000006901	6.03E-10	6.58E-10	NIPSNAP3A	9.17E-01
ENSBTAG00000001125	3.29E-10	3.58E-10	ADAMDEC1	9.20E-01
ENSBTAG00000003532	2.91E-10	3.16E-10	TLE4	9.19E-01
ENSBTAG00000005574	6.26E-10	6.80E-10		9.20E-01
ENSBTAG00000033076	5.01E-10	5.44E-10	TRPM6	9.21E-01

ENSBTAG00000005403	7.57E-10	8.21E-10	ADI1	9.22E-01
ENSBTAG00000002744	1.51E-10	1.63E-10	MUSK	9.27E-01
ENSBTAG000000011420	1.88E-10	2.03E-10	CA9	9.27E-01
ENSBTAG000000032669	6.14E-10	6.62E-10		9.27E-01
ENSBTAG00000008844	3.32E-10	3.57E-10	EXTL3	9.29E-01
ENSBTAG000000002457	1.97E-10	2.11E-10	SEC61B	9.36E-01
ENSBTAG000000004813	3.71E-10	3.95E-10	SUSD1	9.38E-01
ENSBTAG000000020155	4.27E-10	4.54E-10	RP1L1	9.41E-01
ENSBTAG000000044070	4.08E-10	4.31E-10	SNX30	9.46E-01
ENSBTAG000000019843	1.48E-10	1.56E-10	HAUS6	9.50E-01
ENSBTAG000000033190	2.20E-10	2.32E-10	PGM5	9.48E-01
ENSBTAG000000018095	7.95E-10	8.37E-10		9.50E-01
ENSBTAG000000019345	8.76E-11	9.20E-11	RFK	9.52E-01
ENSBTAG000000021678	4.47E-10	4.69E-10	SLC31A1	9.53E-01
ENSBTAG000000005466	1.91E-10	2.01E-10		9.51E-01
ENSBTAG000000046629	8.42E-10	8.83E-10		9.53E-01
ENSBTAG000000004996	1.59E-10	1.67E-10	FAM206A	9.51E-01
ENSBTAG000000004997	1.99E-10	2.07E-10	CTNNAL1	9.59E-01
ENSBTAG000000026748	6.30E-10	6.57E-10		9.59E-01
ENSBTAG000000001938	1.84E-10	1.90E-10	CKS2	9.70E-01
ENSBTAG000000039873	4.84E-10	4.98E-10		9.71E-01
ENSBTAG000000001142	5.14E-10	5.29E-10	GENE	9.72E-01
ENSBTAG000000013670	4.65E-10	4.77E-10	SLC46A2	9.75E-01
ENSBTAG000000047649	7.74E-10	7.95E-10		9.74E-01
ENSBTAG0000000011027	4.06E-10	4.17E-10		9.74E-01
ENSBTAG000000038794	2.19E-10	2.25E-10	TMEM245	9.73E-01
ENSBTAG000000000917	9.14E-11	9.34E-11	BMP1	9.78E-01
ENSBTAG000000004769	5.29E-10	5.36E-10	NEIL2	9.87E-01
ENSBTAG000000003240	1.56E-10	1.57E-10	C8H9orf152	9.95E-01
ENSBTAG000000013960	4.97E-10	5.02E-10	PSAT1	9.91E-01
ENSBTAG000000005519	2.75E-10	2.77E-10	RNF38	9.91E-01
ENSBTAG000000036005	4.29E-10	4.32E-10		9.94E-01
ENSBTAG000000024233	5.29E-10	5.32E-10		9.93E-01
ENSBTAG000000027442	3.75E-10	3.77E-10	NFIB	9.95E-01
ENSBTAG000000045900	4.38E-10	4.41E-10		9.92E-01
ENSBTAG000000007494	2.01E-10	2.02E-10	SMARCA2	9.93E-01
ENSBTAG000000018778	4.94E-10	4.95E-10	TMC1	9.98E-01
ENSBTAG000000031359	9.69E-10	9.72E-10		9.97E-01
ENSBTAG000000006547	1.98E-10	1.98E-10	CCDC25	1.00E+00
ENSBTAG000000005396	2.23E-10	2.23E-10		1.00E+00
ENSBTAG000000035709	1.22E-09	1.21E-09		1.01E+00
ENSBTAG000000012855	5.21E-10	5.19E-10	LPL	1.00E+00
ENSBTAG000000017800	1.59E-10	1.58E-10	DMRT3	1.00E+00
ENSBTAG000000043961	3.27E-10	3.25E-10	MPDZ	1.01E+00
ENSBTAG000000035958	6.58E-10	6.53E-10		1.01E+00
ENSBTAG000000001081	4.45E-10	4.42E-10	PALLD	1.01E+00
ENSBTAG0000000030960	2.62E-10	2.59E-10		1.01E+00
ENSBTAG000000020626	3.50E-10	3.46E-10	ERCC6L2	1.01E+00
ENSBTAG000000010326	6.23E-10	6.15E-10	AADAT	1.01E+00
ENSBTAG000000000500	4.66E-10	4.61E-10	PINX1	1.01E+00
ENSBTAG000000007778	3.43E-10	3.38E-10	TRPM3	1.02E+00
ENSBTAG000000019554	7.33E-10	7.21E-10	FBP2	1.02E+00
ENSBTAG000000017369	3.21E-10	3.16E-10	MAMDC2	1.02E+00
ENSBTAG000000014471	6.63E-10	6.52E-10	AKAP2	1.02E+00
ENSBTAG000000015348	6.48E-11	6.35E-11	ZNF189	1.02E+00
ENSBTAG000000022013	4.24E-10	4.16E-10	CBR4	1.02E+00
ENSBTAG000000045622	1.06E-10	1.04E-10		1.02E+00
ENSBTAG000000008962	1.04E-10	1.01E-10	MRPL50	1.03E+00
ENSBTAG000000015936	3.93E-10	3.83E-10	BRINP1	1.03E+00
ENSBTAG000000019225	3.55E-10	3.46E-10	SLC39A14	1.03E+00
ENSBTAG000000011424	2.45E-10	2.38E-10	TPM2	1.03E+00
ENSBTAG000000000534	3.35E-10	3.26E-10	PNOC	1.03E+00
ENSBTAG000000006532	4.74E-10	4.61E-10	CDK5RAP2	1.03E+00
ENSBTAG000000006551	3.70E-10	3.60E-10		1.03E+00
ENSBTAG000000011397	4.57E-10	4.44E-10	UNC13B	1.03E+00
ENSBTAG000000003943	6.28E-10	6.09E-10	TTC39B	1.03E+00
ENSBTAG000000020665	2.56E-10	2.48E-10	GFRA2	1.03E+00
ENSBTAG000000031916	5.27E-10	5.09E-10	RHOBTB2	1.04E+00
ENSBTAG000000009516	1.57E-10	1.52E-10	RNF20	1.03E+00
ENSBTAG000000011374	5.35E-10	5.17E-10	S1PR3	1.04E+00

ENSBTAG00000005115	4.21E-10	4.06E-10	SLC31A2	1.04E+00
ENSBTAG00000016235	4.31E-10	4.15E-10	RNASEH1	1.04E+00
ENSBTAG00000048213	1.40E-10	1.35E-10		1.04E+00
ENSBTAG00000009806	2.26E-10	2.17E-10	INVS	1.04E+00
ENSBTAG00000035768	5.81E-10	5.57E-10		1.04E+00
ENSBTAG00000044004	1.87E-10	1.79E-10	C9orf84	1.05E+00
ENSBTAG00000005247	7.09E-10	6.76E-10	FRMD3	1.05E+00
ENSBTAG0000001864	1.66E-10	1.59E-10	NR4A3	1.05E+00
ENSBTAG00000021699	3.04E-10	2.89E-10	RORB	1.05E+00
ENSBTAG00000000738	6.21E-10	5.89E-10	DAPK1	1.05E+00
ENSBTAG00000001257	5.01E-10	4.74E-10	AGTPBP1	1.06E+00
ENSBTAG00000045674	1.18E-09	1.11E-09		1.06E+00
ENSBTAG00000021127	2.87E-10	2.72E-10	GNA14	1.06E+00
ENSBTAG00000046969	6.35E-10	5.99E-10		1.06E+00
ENSBTAG00000032668	1.63E-09	1.54E-09		1.06E+00
ENSBTAG00000021686	3.01E-10	2.83E-10	MELK	1.06E+00
ENSBTAG00000006712	2.95E-10	2.76E-10	KIAA0368	1.07E+00
ENSBTAG00000017155	1.90E-10	1.77E-10	TRIM32	1.07E+00
ENSBTAG00000019636	6.27E-10	5.82E-10	SCARA5	1.08E+00
ENSBTAG00000020516	2.97E-10	2.75E-10		1.08E+00
ENSBTAG00000013420	1.90E-10	1.76E-10	FSD1L	1.08E+00
ENSBTAG00000047990	8.12E-10	7.49E-10		1.08E+00
ENSBTAG00000006715	3.39E-10	3.12E-10	FBXO8	1.09E+00
ENSBTAG00000005133	2.63E-10	2.41E-10	ANKS6	1.09E+00
ENSBTAG00000015978	6.25E-10	5.73E-10	ANXA1	1.09E+00
ENSBTAG00000017147	2.32E-10	2.12E-10	AK3	1.09E+00
ENSBTAG00000023523	1.93E-10	1.76E-10	GKAP1	1.09E+00
ENSBTAG00000038698	4.05E-10	3.68E-10		1.10E+00
ENSBTAG00000018517	3.68E-10	3.32E-10	VLDLR	1.11E+00
ENSBTAG00000018387	5.95E-10	5.35E-10	TSSC1	1.11E+00
ENSBTAG00000016412	2.34E-10	2.10E-10	CDKN2B	1.11E+00
ENSBTAG00000018667	6.15E-10	5.53E-10	RCL1	1.11E+00
ENSBTAG00000025760	6.40E-10	5.75E-10		1.11E+00
ENSBTAG00000019732	4.05E-10	3.64E-10	GLRA3	1.11E+00
ENSBTAG00000046815	9.83E-10	8.83E-10		1.11E+00
ENSBTAG00000039963	1.02E-09	9.15E-10		1.11E+00
ENSBTAG00000017734	1.32E-10	1.18E-10		1.12E+00
ENSBTAG00000005116	5.81E-10	5.19E-10	FKBP15	1.12E+00
ENSBTAG00000000095	2.74E-10	2.43E-10	CD274	1.13E+00
ENSBTAG00000015416	3.34E-10	2.96E-10	PBP4	1.13E+00
ENSBTAG00000017845	1.98E-10	1.75E-10	BAG1	1.13E+00
ENSBTAG00000004571	2.93E-10	2.59E-10	PRPF4	1.13E+00
ENSBTAG00000002190	2.81E-10	2.48E-10	DOCK8	1.14E+00
ENSBTAG00000031295	4.97E-10	4.38E-10	HSDL2	1.14E+00
ENSBTAG00000047142	1.48E-09	1.30E-09		1.14E+00
ENSBTAG00000016958	2.57E-10	2.26E-10	PHF19	1.14E+00
ENSBTAG00000038375	4.98E-10	4.36E-10	STOM	1.14E+00
ENSBTAG00000015788	4.09E-10	3.57E-10	CCDC171	1.14E+00
ENSBTAG00000025929	9.50E-11	8.31E-11		1.14E+00
ENSBTAG00000000536	4.81E-10	4.21E-10	ZNF395	1.14E+00
ENSBTAG00000011431	1.92E-10	1.68E-10	GBA2	1.14E+00
ENSBTAG00000020132	2.10E-10	1.83E-10	HPF1	1.15E+00
ENSBTAG00000005469	2.30E-10	2.00E-10	CCAR2	1.15E+00
ENSBTAG00000006214	6.51E-10	5.64E-10	LOXL2	1.15E+00
ENSBTAG00000017803	2.62E-10	2.27E-10	RAB14	1.15E+00
ENSBTAG00000020436	1.59E-10	1.37E-10	KIF27	1.16E+00
ENSBTAG00000009733	2.45E-10	2.11E-10	FBP1	1.16E+00
ENSBTAG00000001137	2.50E-10	2.15E-10	CLTA	1.16E+00
ENSBTAG00000004010	2.15E-10	1.84E-10	PAPPA	1.17E+00
ENSBTAG00000044155	7.96E-10	6.79E-10	BSPRY	1.17E+00
ENSBTAG00000007369	2.12E-10	1.81E-10		1.17E+00
ENSBTAG00000012432	5.07E-10	4.30E-10	FDFT1	1.18E+00
ENSBTAG00000013706	3.71E-10	3.15E-10	MEGF9	1.18E+00
ENSBTAG00000000819	1.76E-10	1.49E-10	RFX3	1.18E+00
ENSBTAG00000002730	8.14E-10	6.90E-10	ELP3	1.18E+00
ENSBTAG00000008877	2.33E-10	1.97E-10	APBA1	1.18E+00
ENSBTAG00000033122	8.56E-10	7.23E-10	FOXD4L1	1.18E+00
ENSBTAG00000010647	2.55E-10	2.15E-10	NTRK2	1.18E+00
ENSBTAG00000046348	4.07E-10	3.43E-10	ELAVL2	1.19E+00
ENSBTAG00000010686	2.59E-10	2.17E-10	OR2K2	1.19E+00

ENSBTAG00000019143	1.11E-10	9.33E-11	RPN1	1.19E+00
ENSBTAG00000013528	3.08E-10	2.58E-10	CHMP7	1.19E+00
ENSBTAG00000030953	3.59E-10	3.01E-10		1.19E+00
ENSBTAG00000036008	2.57E-10	2.16E-10		1.19E+00
ENSBTAG00000032093	5.79E-10	4.85E-10	SPINK4	1.19E+00
ENSBTAG00000021632	3.23E-10	2.70E-10	MSRA	1.20E+00
ENSBTAG00000010976	2.56E-10	2.13E-10	KANK1	1.20E+00
ENSBTAG00000014523	8.95E-10	7.47E-10	DIRAS2	1.20E+00
ENSBTAG00000009037	6.84E-10	5.70E-10	GALNT12	1.20E+00
ENSBTAG00000018437	3.11E-10	2.60E-10	SMC5	1.20E+00
ENSBTAG00000007872	1.80E-10	1.49E-10	PSIP1	1.21E+00
ENSBTAG00000005718	2.09E-10	1.73E-10	PLIN2	1.21E+00
ENSBTAG00000047389	1.46E-09	1.21E-09		1.21E+00
ENSBTAG00000017741	7.64E-10	6.26E-10	HACD4	1.22E+00
ENSBTAG00000034626	6.11E-10	5.00E-10	FBXO16	1.22E+00
ENSBTAG00000013231	2.52E-10	2.06E-10	C9orf40	1.22E+00
ENSBTAG00000017884	2.56E-10	2.07E-10	KCNV2	1.22E+00
ENSBTAG00000008845	3.91E-10	3.16E-10	INTS9	1.24E+00
ENSBTAG00000019568	1.76E-10	1.42E-10	IFT74	1.24E+00
ENSBTAG00000005826	2.23E-10	1.80E-10	PTAR1	1.24E+00
ENSBTAG00000046486	4.65E-10	3.74E-10		1.24E+00
ENSBTAG00000018347	3.07E-10	2.47E-10	IL33	1.24E+00
ENSBTAG00000024081	3.56E-10	2.85E-10	ECM2	1.25E+00
ENSBTAG00000019915	6.62E-10	5.30E-10		1.25E+00
ENSBTAG00000040038	2.37E-10	1.90E-10		1.25E+00
ENSBTAG00000009903	2.13E-10	1.69E-10		1.26E+00
ENSBTAG00000025868	2.07E-10	1.64E-10	TLN1	1.26E+00
ENSBTAG00000007440	6.62E-10	5.24E-10	MLANA	1.26E+00
ENSBTAG00000019539	2.81E-10	2.22E-10	MFAP3L	1.26E+00
ENSBTAG00000005958	3.60E-10	2.82E-10	PTK2B	1.28E+00
ENSBTAG00000002997	3.17E-10	2.49E-10	ADAMTSL1	1.27E+00
ENSBTAG00000016229	1.95E-10	1.52E-10	KLF9	1.28E+00
ENSBTAG000000031793	3.17E-10	2.47E-10	NUDT2	1.28E+00
ENSBTAG00000035007	5.11E-10	3.99E-10	GALNTL6	1.28E+00
ENSBTAG00000006768	4.94E-10	3.85E-10	ENTPD4	1.28E+00
ENSBTAG00000001687	1.85E-10	1.43E-10	STC1	1.30E+00
ENSBTAG00000011409	2.00E-10	1.54E-10	CD72	1.30E+00
ENSBTAG00000035084	4.18E-10	3.21E-10		1.30E+00
ENSBTAG00000015676	7.04E-10	5.36E-10	AMBP	1.31E+00
ENSBTAG00000003097	1.22E-10	9.30E-11	DENND4C	1.32E+00
ENSBTAG00000021751	3.48E-10	2.63E-10	RASEF	1.32E+00
ENSBTAG00000003137	6.12E-10	4.62E-10	PLPPR1	1.32E+00
ENSBTAG00000033708	6.01E-10	4.53E-10		1.33E+00
ENSBTAG000000031632	3.98E-10	3.01E-10	ADRA1A	1.32E+00
ENSBTAG00000008678	2.20E-10	1.66E-10		1.32E+00
ENSBTAG00000022787	1.66E-09	1.25E-09		1.33E+00
ENSBTAG00000003669	3.22E-10	2.42E-10	BNC2	1.33E+00
ENSBTAG00000000695	2.16E-10	1.62E-10	UBAP2	1.34E+00
ENSBTAG00000020105	1.87E-10	1.40E-10		1.33E+00
ENSBTAG00000009917	2.20E-10	1.64E-10	PIP5K1B	1.34E+00
ENSBTAG00000021992	4.12E-10	3.06E-10	MURC	1.34E+00
ENSBTAG00000018280	5.23E-10	3.86E-10	SLC28A3	1.35E+00
ENSBTAG00000035707	1.01E-09	7.47E-10		1.35E+00
ENSBTAG00000019187	1.73E-10	1.27E-10	ZNF462	1.36E+00
ENSBTAG00000047413	1.70E-09	1.24E-09		1.37E+00
ENSBTAG00000018481	1.04E-09	7.51E-10		1.38E+00
ENSBTAG00000005049	7.36E-10	5.33E-10	BLK	1.38E+00
ENSBTAG00000011859	1.90E-10	1.38E-10	IPPK	1.38E+00
ENSBTAG00000047442	6.43E-10	4.65E-10		1.38E+00
ENSBTAG00000011416	1.60E-10	1.15E-10	ARHGEF39	1.39E+00
ENSBTAG00000009958	1.04E-09	7.52E-10	TRIM35	1.39E+00
ENSBTAG00000011429	1.32E-10	9.48E-11	CREB3	1.39E+00
ENSBTAG00000008204	2.22E-10	1.59E-10	CARNMT1	1.39E+00
ENSBTAG00000046292	6.02E-10	4.32E-10		1.39E+00
ENSBTAG00000001219	8.91E-10	6.39E-10		1.39E+00
ENSBTAG00000000164	1.51E-10	1.09E-10	GNRH1	1.39E+00
ENSBTAG00000020661	2.78E-10	1.99E-10	ABCA1	1.40E+00
ENSBTAG00000012498	2.42E-10	1.72E-10	PAX5	1.41E+00
ENSBTAG00000016073	3.85E-10	2.75E-10	UGCG	1.40E+00
ENSBTAG00000001283	2.50E-10	1.77E-10	RIC1	1.41E+00

ENSBTAG00000017195	3.90E-10	2.76E-10	FANCC	1.41E+00
ENSBTAG00000034665	1.87E-10	1.32E-10	PRSS55	1.42E+00
ENSBTAG00000014124	2.03E-10	1.43E-10	MLLT3	1.42E+00
ENSBTAG00000020151	9.47E-10	6.67E-10		1.42E+00
ENSBTAG00000012383	1.47E-10	1.04E-10	CHMP5	1.41E+00
ENSBTAG00000015807	2.14E-10	1.50E-10	GALT	1.43E+00
ENSBTAG00000009789	3.56E-10	2.49E-10	GNAQ	1.43E+00
ENSBTAG00000007659	4.40E-10	3.08E-10	CORO2A	1.43E+00
ENSBTAG000000047207	8.11E-10	5.66E-10		1.43E+00
ENSBTAG00000015361	1.34E-10	9.38E-11	CNTFR	1.43E+00
ENSBTAG00000016867	4.05E-10	2.82E-10	HSD17B3	1.44E+00
ENSBTAG00000001941	5.09E-10	3.55E-10	SEMA4D	1.43E+00
ENSBTAG00000014103	4.93E-10	3.42E-10	SH3GL2	1.44E+00
ENSBTAG00000012210	4.85E-10	3.36E-10	C5	1.44E+00
ENSBTAG00000015685	8.66E-10	5.99E-10	KIF12	1.45E+00
ENSBTAG00000020130	2.40E-10	1.66E-10	CLCN3	1.45E+00
ENSBTAG00000000078	8.75E-10	6.04E-10	GLIPR2	1.45E+00
ENSBTAG00000000256	2.29E-10	1.58E-10	TLE1	1.45E+00
ENSBTAG00000046602	7.62E-10	5.25E-10	PALM2	1.45E+00
ENSBTAG00000011394	2.29E-10	1.58E-10	FAM214B	1.45E+00
ENSBTAG00000019275	5.38E-10	3.70E-10	INIP	1.45E+00
ENSBTAG00000035708	8.35E-10	5.70E-10		1.46E+00
ENSBTAG00000016750	3.30E-10	2.26E-10	PTBP3	1.46E+00
ENSBTAG00000006197	2.29E-10	1.56E-10	ZDHHC21	1.47E+00
ENSBTAG000000008538	4.35E-10	2.96E-10	DNAI1	1.47E+00
ENSBTAG00000033352	9.22E-11	6.27E-11	DMRT1	1.47E+00
ENSBTAG00000010819	4.32E-10	2.92E-10	HMBOX1	1.48E+00
ENSBTAG00000001847	2.49E-10	1.68E-10	CNTLN	1.48E+00
ENSBTAG00000011417	3.19E-10	2.15E-10	CNTRL	1.48E+00
ENSBTAG00000006446	6.61E-10	4.45E-10		1.48E+00
ENSBTAG00000038982	2.09E-10	1.40E-10		1.49E+00
ENSBTAG00000016265	3.31E-10	2.23E-10	DNAJA1	1.48E+00
ENSBTAG00000000320	2.50E-10	1.68E-10	UBAP1	1.49E+00
ENSBTAG00000010082	5.09E-10	3.42E-10	COL15A1	1.49E+00
ENSBTAG00000000252	4.70E-10	3.15E-10	POLE3	1.49E+00
ENSBTAG00000018445	3.26E-10	2.18E-10	GRIN3A	1.49E+00
ENSBTAG00000010107	1.76E-10	1.17E-10	WHRN	1.50E+00
ENSBTAG00000025903	1.77E-10	1.18E-10	GLDC	1.50E+00
ENSBTAG00000015249	2.07E-10	1.38E-10	B4GALT1	1.50E+00
ENSBTAG00000012809	2.43E-10	1.61E-10	PHF24	1.51E+00
ENSBTAG00000017232	6.53E-10	4.31E-10	KIF13B	1.52E+00
ENSBTAG00000019125	4.55E-10	3.01E-10	SLC1A1	1.51E+00
ENSBTAG00000000693	2.27E-10	1.50E-10	UBE2R2	1.51E+00
ENSBTAG00000000720	2.99E-10	1.97E-10	CTSL	1.52E+00
ENSBTAG00000015171	2.10E-10	1.38E-10	CDK20	1.52E+00
ENSBTAG00000005495	3.13E-10	2.02E-10		1.55E+00
ENSBTAG00000020752	1.10E-10	7.09E-11	CEP78	1.55E+00
ENSBTAG000000047511	2.76E-10	1.77E-10		1.56E+00
ENSBTAG00000003719	1.78E-10	1.15E-10	TDRD7	1.55E+00
ENSBTAG00000018317	1.94E-10	1.23E-10	PPP2R2A	1.57E+00
ENSBTAG00000000712	2.62E-10	1.66E-10	FBXW2	1.58E+00
ENSBTAG00000004468	1.64E-10	1.03E-10	BARX1	1.59E+00
ENSBTAG00000044123	1.49E-10	9.35E-11	HAND2	1.59E+00
ENSBTAG00000047745	2.83E-10	1.78E-10		1.59E+00
ENSBTAG000000034326	2.79E-10	1.76E-10		1.59E+00
ENSBTAG00000001223	3.46E-10	2.18E-10	CAAP1	1.59E+00
ENSBTAG00000017137	3.76E-10	2.37E-10	CDC37L1	1.59E+00
ENSBTAG00000047099	1.71E-10	1.07E-10		1.60E+00
ENSBTAG00000020140	1.19E-10	7.52E-11	CER1	1.59E+00
ENSBTAG00000016173	3.55E-10	2.24E-10		1.59E+00
ENSBTAG00000047550	1.86E-10	1.17E-10		1.59E+00
ENSBTAG00000046431	8.90E-10	5.59E-10		1.59E+00
ENSBTAG00000006939	6.97E-10	4.36E-10	FGD3	1.60E+00
ENSBTAG00000006587	2.86E-10	1.78E-10	ZNF367	1.61E+00
ENSBTAG00000014719	4.26E-10	2.61E-10	TMOD1	1.63E+00
ENSBTAG00000005966	2.93E-10	1.79E-10		1.64E+00
ENSBTAG00000003323	2.10E-10	1.28E-10	NOL6	1.64E+00
ENSBTAG00000016957	5.48E-10	3.33E-10		1.65E+00
ENSBTAG00000025942	3.74E-10	2.27E-10	HPGD	1.65E+00
ENSBTAG00000013011	4.41E-10	2.68E-10	PLAA	1.64E+00

ENSBTAG00000019238	5.37E-10	3.23E-10	TRMO	1.66E+00
ENSBTAG00000017627	3.12E-10	1.88E-10	STMN4	1.66E+00
ENSBTAG00000008376	4.91E-10	2.94E-10	C9orf24	1.67E+00
ENSBTAG00000038335	3.48E-10	2.08E-10		1.68E+00
ENSBTAG00000015241	7.72E-10	4.55E-10	EPHX2	1.70E+00
ENSBTAG00000011173	3.70E-10	2.18E-10	FAM189A2	1.70E+00
ENSBTAG00000000974	1.60E-10	9.40E-11	IARS	1.71E+00
ENSBTAG00000005884	6.83E-10	4.00E-10	WDR31	1.71E+00
ENSBTAG000000047647	1.57E-09	9.18E-10		1.71E+00
ENSBTAG000000006651	3.00E-10	1.75E-10	INSL6	1.71E+00
ENSBTAG00000000269	1.85E-10	1.08E-10		1.72E+00
ENSBTAG00000046097	1.84E-09	1.06E-09		1.74E+00
ENSBTAG00000025756	2.18E-10	1.25E-10	FBXW12	1.74E+00
ENSBTAG00000014722	3.05E-10	1.74E-10	TSTD2	1.75E+00
ENSBTAG00000012047	2.98E-10	1.71E-10	JAK2	1.74E+00
ENSBTAG00000017530	3.35E-10	1.92E-10	PLGRKT	1.74E+00
ENSBTAG00000003341	3.92E-10	2.24E-10	DOK2	1.75E+00
ENSBTAG00000012385	2.14E-10	1.22E-10	NFX1	1.76E+00
ENSBTAG00000018613	1.42E-10	7.94E-11	NOL8	1.79E+00
ENSBTAG00000008103	6.44E-10	3.56E-10	ALDH1A1	1.81E+00
ENSBTAG00000008537	2.29E-10	1.27E-10	FAM219A	1.80E+00
ENSBTAG00000015578	2.65E-10	1.46E-10	SAP30	1.82E+00
ENSBTAG0000001939	2.95E-10	1.62E-10	SECISBP2	1.82E+00
ENSBTAG00000020141	3.11E-10	1.71E-10	FREM1	1.82E+00
ENSBTAG00000020243	3.85E-10	2.11E-10	SVEP1	1.83E+00
ENSBTAG00000017936	1.74E-10	9.54E-11	FRRS1L	1.83E+00
ENSBTAG00000011202	6.24E-10	3.41E-10	CARD19	1.83E+00
ENSBTAG00000016952	3.42E-10	1.86E-10	PSMD5	1.84E+00
ENSBTAG00000038181	5.96E-10	3.24E-10	FOCAD	1.84E+00
ENSBTAG00000020355	1.41E-10	7.63E-11	KLF4	1.85E+00
ENSBTAG00000008493	2.89E-10	1.56E-10	AQP3	1.85E+00
ENSBTAG00000003033	3.72E-10	2.01E-10	GADD45G	1.85E+00
ENSBTAG00000032509	2.77E-10	1.49E-10	FAM166B	1.86E+00
ENSBTAG00000000575	2.92E-10	1.57E-10	TNC	1.86E+00
ENSBTAG00000014008	2.58E-10	1.39E-10	NKX2-6	1.86E+00
ENSBTAG00000015358	3.22E-10	1.72E-10	ALDOB	1.87E+00
ENSBTAG00000033695	2.08E-09	1.11E-09		1.88E+00
ENSBTAG00000014401	1.10E-10	5.87E-11	SORBS3	1.87E+00
ENSBTAG00000021069	3.71E-10	1.97E-10		1.88E+00
ENSBTAG00000011403	2.07E-10	1.10E-10	RUSC2	1.88E+00
ENSBTAG00000011814	1.95E-10	1.04E-10		1.88E+00
ENSBTAG00000012535	2.51E-10	1.33E-10	SCRG1	1.89E+00
ENSBTAG00000007163	3.66E-10	1.94E-10	SLC44A1	1.89E+00
ENSBTAG00000018373	2.80E-10	1.45E-10	DPYSL2	1.93E+00
ENSBTAG00000001508	5.49E-10	2.83E-10	SH3RF1	1.94E+00
ENSBTAG00000033316	2.02E-10	1.03E-10	PDCD1LG2	1.96E+00
ENSBTAG00000011402	2.80E-10	1.42E-10		1.97E+00
ENSBTAG00000019564	4.20E-10	2.12E-10	SMU1	1.98E+00
ENSBTAG00000002953	1.05E-10	5.31E-11	TXN	1.98E+00
ENSBTAG00000037986	2.08E-10	1.05E-10	PNMA2	1.98E+00
ENSBTAG00000004572	3.79E-10	1.91E-10	RNF183	1.99E+00
ENSBTAG00000015963	4.64E-10	2.33E-10	TMEM261	1.99E+00
ENSBTAG00000008301	5.81E-10	2.92E-10	WNK2	1.99E+00
ENSBTAG00000012922	2.01E-10	1.01E-10	PHF2	1.99E+00
ENSBTAG00000012168	1.23E-10	6.22E-11	RANBP6	1.98E+00
ENSBTAG00000015000	1.84E-10	9.10E-11	VCP	2.02E+00
ENSBTAG00000012921	2.53E-10	1.23E-10	KIF24	2.05E+00
ENSBTAG00000008062	1.54E-10	7.44E-11	DMRT2	2.06E+00
ENSBTAG00000040390	2.13E-10	1.02E-10	EBF2	2.09E+00
ENSBTAG00000013810	4.59E-10	2.18E-10	GABBR2	2.11E+00
ENSBTAG00000002756	3.50E-10	1.66E-10		2.11E+00
ENSBTAG00000002220	7.52E-10	3.53E-10	SPTLC1	2.13E+00
ENSBTAG00000000204	3.10E-10	1.45E-10	TMEM268	2.14E+00
ENSBTAG00000011589	4.39E-10	2.05E-10	CDC14B	2.14E+00
ENSBTAG00000003366	7.58E-10	3.54E-10	DDX58	2.14E+00
ENSBTAG00000005470	2.32E-10	1.06E-10	BIN3	2.19E+00
ENSBTAG00000019550	3.84E-10	1.75E-10	TBC1D2	2.20E+00
ENSBTAG00000047698	1.57E-09	7.12E-10		2.20E+00
ENSBTAG00000020815	4.66E-10	2.11E-10	UHRF2	2.21E+00
ENSBTAG00000001926	6.36E-10	2.87E-10	RAD23B	2.22E+00



ENSBTAG00000010059	1.60E-10	7.22E-11	C9orf72	2.21E+00
ENSBTAG00000011375	6.78E-10	3.05E-10	SHC3	2.22E+00
ENSBTAG00000001016	1.30E-10	5.86E-11	NAA35	2.22E+00
ENSBTAG00000004778	5.36E-10	2.41E-10		2.22E+00
ENSBTAG00000012382	2.72E-10	1.22E-10	KCTD9	2.23E+00
ENSBTAG00000008685	7.29E-10	3.26E-10	TRAPPC12	2.23E+00
ENSBTAG00000005907	8.37E-10	3.69E-10	NDUFB6	2.27E+00
ENSBTAG00000013947	4.91E-10	2.17E-10	APTX	2.26E+00
ENSBTAG00000034220	3.97E-10	1.75E-10	CDKN2A	2.27E+00
ENSBTAG00000046526	3.25E-10	1.42E-10	ISCA1	2.29E+00
ENSBTAG00000021307	2.67E-10	1.15E-10	BNIP3L	2.32E+00
ENSBTAG00000014922	2.47E-10	1.06E-10	SHB	2.33E+00
ENSBTAG00000015835	4.06E-10	1.73E-10	PIWIL2	2.35E+00
ENSBTAG00000005905	4.88E-10	2.08E-10	TOPORS	2.35E+00
ENSBTAG00000005425	2.41E-10	1.02E-10	GATA4	2.36E+00
ENSBTAG00000019066	6.23E-10	2.65E-10	FAM167A	2.35E+00
ENSBTAG00000019687	5.60E-10	2.38E-10	NMRK1	2.35E+00
ENSBTAG00000033543	1.55E-10	6.52E-11		2.38E+00
ENSBTAG00000011406	1.00E-10	4.21E-11	TESK1	2.38E+00
ENSBTAG00000014760	4.39E-10	1.84E-10	FOXE1	2.39E+00
ENSBTAG00000016295	1.12E-10	4.70E-11	RPP25L	2.38E+00
ENSBTAG00000019958	2.24E-10	9.40E-11	NXNL2	2.38E+00
ENSBTAG00000046427	4.32E-10	1.81E-10		2.39E+00
ENSBTAG00000016845	4.66E-10	1.95E-10	GALNT7	2.39E+00
ENSBTAG00000008696	4.19E-10	1.73E-10	FAM120A	2.42E+00
ENSBTAG00000017306	2.84E-10	1.17E-10	AKNA	2.42E+00
ENSBTAG00000018646	2.60E-10	1.07E-10	ATP6V1B2	2.43E+00
ENSBTAG00000025782	2.87E-10	1.17E-10	TNFSF8	2.46E+00
ENSBTAG00000019023	6.39E-10	2.57E-10	NANS	2.49E+00
ENSBTAG00000048226	1.07E-09	4.21E-10		2.53E+00
ENSBTAG00000046594	2.24E-10	8.80E-11		2.54E+00
ENSBTAG00000011847	3.01E-10	1.18E-10	ASPN	2.55E+00
ENSBTAG00000018318	1.37E-10	5.31E-11	DNAJB5	2.58E+00
ENSBTAG00000037971	3.73E-10	1.44E-10		2.59E+00
ENSBTAG00000046683	1.84E-09	7.05E-10		2.61E+00
ENSBTAG00000005803	5.99E-10	2.28E-10	PTPDC1	2.63E+00
ENSBTAG00000003483	3.53E-10	1.33E-10	NUDT18	2.66E+00
ENSBTAG00000011836	3.61E-10	1.36E-10	OMD	2.65E+00
ENSBTAG00000021367	2.39E-10	8.70E-11		2.74E+00
ENSBTAG00000021949	4.04E-10	1.45E-10	NEFL	2.78E+00
ENSBTAG00000015608	3.54E-10	1.27E-10	CYLC2	2.79E+00
ENSBTAG00000000181	6.57E-10	2.35E-10	SUSD3	2.79E+00
ENSBTAG00000006831	2.68E-10	9.41E-11		2.85E+00
ENSBTAG00000011048	6.10E-10	2.14E-10	SPATA6L	2.85E+00
ENSBTAG00000015378	2.44E-10	8.50E-11		2.87E+00
ENSBTAG00000004134	7.01E-10	2.41E-10	C8orf74	2.91E+00
ENSBTAG00000015005	1.52E-10	5.23E-11	FANCG	2.91E+00
ENSBTAG00000008016	2.04E-10	6.95E-11	STX17	2.93E+00
ENSBTAG00000020133	1.26E-10	4.28E-11	PPP3CC	2.93E+00
ENSBTAG00000031569	3.02E-10	1.02E-10	GOLM1	2.96E+00
ENSBTAG00000014078	1.89E-10	6.09E-11	IGFBPL1	3.10E+00
ENSBTAG00000018883	2.34E-10	7.35E-11	DCTN3	3.18E+00
ENSBTAG00000011388	3.02E-10	9.50E-11	STOML2	3.18E+00
ENSBTAG00000010829	5.45E-10	1.71E-10		3.19E+00
ENSBTAG00000046598	1.13E-09	3.52E-10		3.20E+00
ENSBTAG00000000145	6.97E-10	2.19E-10		3.18E+00
ENSBTAG00000046967	1.19E-09	3.71E-10		3.20E+00
ENSBTAG00000020844	4.25E-10	1.32E-10	TMEM246	3.22E+00
ENSBTAG00000009732	3.24E-10	9.96E-11	NCBP1	3.25E+00
ENSBTAG00000025659	4.55E-10	1.34E-10	ZNF618	3.39E+00
ENSBTAG00000009734	3.77E-10	1.09E-10	XPA	3.46E+00
ENSBTAG00000015513	3.63E-10	1.02E-10	DOCK5	3.55E+00
ENSBTAG00000010535	4.52E-10	1.27E-10	TXNDC8	3.55E+00
ENSBTAG00000004991	2.87E-10	7.98E-11	IKBKAP	3.60E+00
ENSBTAG00000019099	2.17E-10	5.92E-11	SLC25A37	3.67E+00
ENSBTAG00000018069	1.14E-10	3.07E-11	TNFSF15	3.70E+00
ENSBTAG00000003044	4.76E-10	1.23E-10	SPIN1	3.86E+00
ENSBTAG00000048272	3.07E-10	7.72E-11		3.97E+00
ENSBTAG00000046462	3.89E-10	9.78E-11		3.98E+00
ENSBTAG00000044135	1.85E-10	4.65E-11	PIGO	3.97E+00

ENSBTAG00000039868	4.31E-10	1.08E-10		3.98E+00
ENSBTAG00000017763	2.21E-10	5.55E-11	NFIL3	3.97E+00
ENSBTAG00000048063	7.00E-10	1.76E-10		3.98E+00
ENSBTAG00000046258	2.77E-10	6.54E-11	SOX7	4.24E+00
ENSBTAG00000020985	5.97E-10	1.40E-10	TYRP1	4.26E+00
ENSBTAG00000012036	2.81E-10	6.55E-11	HR	4.29E+00
ENSBTAG00000000011	7.14E-10	1.63E-10		4.38E+00
ENSBTAG00000013445	9.14E-10	2.08E-10		4.39E+00
ENSBTAG00000000555	6.65E-10	1.48E-10	ACO1	4.49E+00
ENSBTAG000000010431	5.62E-10	1.21E-10	LURAP1L	4.64E+00
ENSBTAG00000002746	3.32E-10	7.10E-11	OSTF1	4.67E+00
ENSBTAG00000014907	7.57E-11	1.59E-11	IL11RA	4.74E+00
ENSBTAG00000011050	4.30E-10	9.00E-11	PLPP6	4.77E+00
ENSBTAG00000017294	1.42E-10	2.97E-11		4.76E+00
ENSBTAG00000025667	2.86E-10	5.82E-11		4.91E+00
ENSBTAG00000032206	5.87E-10	1.18E-10	HEMGN	4.97E+00
ENSBTAG00000001737	1.85E-10	3.64E-11	ZCCHC6	5.07E+00
ENSBTAG00000007657	3.26E-10	6.35E-11	SCARA3	5.13E+00
ENSBTAG00000024851	3.84E-10	7.42E-11	TRIM14	5.17E+00
ENSBTAG00000008539	5.65E-10	1.09E-10	ENHO	5.18E+00
ENSBTAG00000011824	6.18E-10	1.18E-10	OGN	5.24E+00
ENSBTAG00000012442	6.40E-10	1.22E-10	CTSB	5.25E+00
ENSBTAG00000044003	6.38E-10	1.20E-10	TEX10	5.31E+00
ENSBTAG00000014827	5.09E-10	9.52E-11	UBQLN1	5.34E+00
ENSBTAG00000014361	4.29E-10	7.89E-11	FAM160B2	5.43E+00
ENSBTAG00000015101	2.46E-10	4.42E-11	HMGB2	5.55E+00
ENSBTAG00000046443	9.04E-10	1.62E-10		5.58E+00
ENSBTAG00000047628	3.88E-10	6.66E-11	XPO7	5.81E+00
ENSBTAG00000011545	5.45E-10	9.25E-11	GDA	5.88E+00
ENSBTAG00000006816	2.97E-10	4.94E-11	ABHD17B	6.01E+00
ENSBTAG00000000841	2.94E-10	4.62E-11	LZTS1	6.36E+00
ENSBTAG00000006240	5.60E-10	8.43E-11	TLR4	6.64E+00
ENSBTAG00000045887	4.13E-10	6.04E-11	DMTN	6.83E+00
ENSBTAG00000018925	1.57E-10	2.20E-11	EXOSC3	7.13E+00
ENSBTAG00000015607	4.05E-10	5.59E-11	ERMP1	7.24E+00
ENSBTAG000000008772	3.91E-10	5.31E-11	SMC2	7.35E+00
ENSBTAG000000007761	2.33E-10	3.08E-11	ZBTB5	7.53E+00
ENSBTAG00000004767	4.43E-10	5.84E-11	SYK	7.58E+00
ENSBTAG00000005090	6.41E-10	8.28E-11	TMEM2	7.73E+00
ENSBTAG000000003012	6.37E-10	7.73E-11	TRAF1	8.23E+00
ENSBTAG00000014934	1.89E-10	2.22E-11	DCAF10	8.48E+00
ENSBTAG00000046918	2.59E-10	2.84E-11	NPM2	9.10E+00
ENSBTAG00000019299	3.78E-10	3.48E-11	GRHPR	1.08E+01
ENSBTAG00000013974	4.58E-10	3.83E-11	TMEM215	1.19E+01
ENSBTAG00000014936	1.51E-10	1.12E-11		1.34E+01
ENSBTAG000000009417	2.66E-10	1.96E-11	ZFAND5	1.35E+01
ENSBTAG00000046549	6.02E-10	4.25E-11	BICD2	1.41E+01
ENSBTAG00000017338	2.68E-10	1.87E-11	FAM205C	1.43E+01
ENSBTAG00000046951	3.06E-10	2.13E-11	FGF17	1.43E+01
ENSBTAG00000025859	3.20E-10	1.68E-11	ZCCHC7	1.89E+01
ENSBTAG00000012243	6.40E-10	2.61E-11	POLR1E	2.44E+01
ENSBTAG00000046574	1.87E-10	6.14E-12	FRMPD1	3.00E+01
ENSBTAG00000012262	7.59E-10	1.81E-11	FBXO10	4.17E+01
ENSBTAG00000019807	3.16E-10	3.89E-12	COL27A1	7.92E+01
ENSBTAG00000035293	0	0		1.00E+00
ENSBTAG00000006853	1.26E-10	0	IFNK	1.27E+03
ENSBTAG00000046119	1.17E-10	0		1.17E+03
ENSBTAG00000046782	0	0		1.00E+00
ENSBTAG00000011411	5.28E-11	0	SIT1	5.29E+02
ENSBTAG00000032777	6.22E-10	0		6.22E+03
ENSBTAG00000018922	1.18E-10	0	TRMT10B	1.18E+03
ENSBTAG00000019293	0	0	EGR3	1.00E+00
ENSBTAG00000014908	0	0	CCL27	1.00E+00
ENSBTAG00000010161	1.43E-10	0	CCL21	1.43E+03
ENSBTAG00000039021	4.46E-10	0		4.46E+03
ENSBTAG00000038486	3.45E-10	0		3.45E+03
ENSBTAG00000036013	1.72E-10	0	OR13C8	1.72E+03
ENSBTAG00000019467	2.92E-10	0	ACTL7B	2.92E+03
ENSBTAG00000019468	1.62E-10	0	ACTL7A	1.62E+03
ENSBTAG00000045845	1.98E-09	0		1.98E+04

ENSBTAG00000046849	2.93E-10	0	IFNB3	2.93E+03
ENSBTAG00000011160	0	0	TPD52L3	1.00E+00
ENSBTAG00000046687	0	0		1.00E+00
ENSBTAG00000032670	2.56E-10	0	OR2S2	2.56E+03
ENSBTAG00000039443	2.57E-10	0		2.57E+03
ENSBTAG00000032671	8.56E-11	0	OR13C7	8.57E+02
ENSBTAG00000037600	0	0		1.00E+00
ENSBTAG00000048106	1.71E-10	0		1.71E+03
ENSBTAG00000036012	7.94E-11	0	OR13C3	7.95E+02
ENSBTAG00000016070	2.25E-10	0	LINGO2	2.25E+03
ENSBTAG00000008551	0	0	TUSC1	1.00E+00
ENSBTAG00000045554	5.60E-10	0		5.60E+03
ENSBTAG00000012375	1.96E-10	0	KLHL9	1.96E+03
ENSBTAG00000045552	4.19E-10	0		4.19E+03
ENSBTAG00000047134	9.83E-10	0		9.83E+03
ENSBTAG00000045999	2.15E-10	5.43E-10		3.96E-01
ENSBTAG00000039615	5.10E-11	1.29E-10		3.96E-01
ENSBTAG00000045583	1.11E-10	2.80E-10		3.97E-01
ENSBTAG00000045655	4.83E-11	1.22E-10		3.97E-01
ENSBTAG00000011315	6.95E-11	1.75E-10	GJA10	3.97E-01
ENSBTAG00000003925	9.43E-11	1.98E-10	C6orf120	4.77E-01
ENSBTAG00000009243	3.69E-10	6.42E-10	MFSD4B	5.75E-01
ENSBTAG00000012074	1.07E-10	1.84E-10	MYB	5.80E-01
ENSBTAG00000017170	1.54E-10	2.59E-10		5.94E-01
ENSBTAG00000005456	9.21E-11	1.52E-10	TTK	6.06E-01
ENSBTAG00000008145	9.96E-11	1.57E-10	SMPD2	6.35E-01
ENSBTAG00000015911	4.94E-10	7.62E-10	RWDD2A	6.49E-01
ENSBTAG00000039477	3.90E-10	5.74E-10	TPBG	6.80E-01
ENSBTAG00000006367	1.77E-10	2.55E-10	CTGF	6.96E-01
ENSBTAG00000007388	1.74E-10	2.43E-10	ZC3H12D	7.15E-01
ENSBTAG00000033367	3.03E-10	4.22E-10	DDO	7.17E-01
ENSBTAG00000000240	3.22E-10	4.43E-10	AKAP7	7.27E-01
ENSBTAG00000008147	1.02E-10	1.38E-10	MICAL1	7.42E-01
ENSBTAG00000003929	9.42E-11	1.26E-10	PHF10	7.48E-01
ENSBTAG00000035623	9.34E-10	1.23E-09		7.60E-01
ENSBTAG00000002294	2.13E-10	2.76E-10	SIM1	7.71E-01
ENSBTAG00000010047	3.30E-10	4.27E-10	TIAM2	7.73E-01
ENSBTAG00000004099	4.22E-10	5.44E-10	CCDC170	7.75E-01
ENSBTAG00000001644	1.92E-10	2.46E-10	MDN1	7.81E-01
ENSBTAG00000002058	1.27E-10	1.61E-10	ASF1A	7.92E-01
ENSBTAG00000011224	1.37E-10	1.73E-10	CITED2	7.92E-01
ENSBTAG00000009127	2.20E-10	2.78E-10	TSPYL4	7.93E-01
ENSBTAG00000039875	3.49E-10	4.39E-10		7.94E-01
ENSBTAG00000017992	1.07E-10	1.35E-10	CD164	7.92E-01
ENSBTAG00000047032	3.97E-10	5.00E-10		7.94E-01
ENSBTAG00000035076	2.47E-10	3.11E-10		7.94E-01
ENSBTAG00000047235	1.79E-10	2.25E-10		7.94E-01
ENSBTAG00000037429	1.40E-10	1.76E-10	HTR1B	7.96E-01
ENSBTAG00000021827	5.51E-11	6.94E-11	TCF21	7.94E-01
ENSBTAG00000031532	4.05E-10	5.10E-10	DACT2	7.94E-01
ENSBTAG00000032382	9.63E-10	1.21E-09		7.96E-01
ENSBTAG00000018681	3.70E-10	4.66E-10	T	7.94E-01
ENSBTAG00000008749	1.00E-10	1.26E-10	OLIG3	7.94E-01
ENSBTAG00000038761	6.14E-10	7.74E-10		7.94E-01
ENSBTAG00000012534	8.57E-11	1.08E-10	BEND3	7.93E-01
ENSBTAG00000007989	7.58E-11	9.55E-11	FUT9	7.94E-01
ENSBTAG00000048313	5.50E-10	6.93E-10	TAAR9	7.94E-01
ENSBTAG00000005096	5.77E-10	7.26E-10	COX7A2	7.94E-01
ENSBTAG00000031724	1.68E-10	2.11E-10	MAS1	7.94E-01
ENSBTAG00000026543	3.18E-10	4.01E-10		7.93E-01
ENSBTAG00000024773	2.18E-10	2.74E-10		7.95E-01
ENSBTAG00000046726	2.50E-10	3.15E-10	CLDN20	7.93E-01
ENSBTAG00000011236	2.85E-10	3.59E-10	STX11	7.94E-01
ENSBTAG00000009784	3.95E-10	4.84E-10	RAB32	8.15E-01
ENSBTAG00000021663	1.58E-10	1.90E-10	SMIM8	8.32E-01
ENSBTAG00000011672	5.00E-10	6.00E-10	GABRR1	8.33E-01
ENSBTAG00000012096	2.68E-10	3.21E-10	BCKDHB	8.36E-01
ENSBTAG00000010507	4.09E-10	4.89E-10	SLC22A16	8.36E-01
ENSBTAG00000009620	1.96E-10	2.35E-10	WDR27	8.35E-01
ENSBTAG00000008543	2.92E-10	3.46E-10	GTF2H5	8.44E-01

ENSBTAG00000018436	2.54E-10	3.00E-10	UBE2J1	8.47E-01
ENSBTAG00000006523	9.54E-10	1.12E-09		8.52E-01
ENSBTAG00000046954	4.70E-10	5.53E-10		8.50E-01
ENSBTAG00000001360	1.26E-09	1.47E-09		8.60E-01
ENSBTAG00000002625	2.02E-10	2.34E-10	MAP3K7	8.65E-01
ENSBTAG00000004394	6.07E-10	7.00E-10	PKIB	8.67E-01
ENSBTAG00000003743	2.38E-09	2.75E-09		8.67E-01
ENSBTAG00000014498	9.34E-10	1.08E-09	UNC93A	8.65E-01
ENSBTAG00000033535	3.57E-10	4.12E-10		8.67E-01
ENSBTAG00000021398	8.50E-11	9.74E-11	C6orf203	8.73E-01
ENSBTAG00000021099	3.68E-10	4.19E-10	CLVS2	8.77E-01
ENSBTAG00000010113	4.41E-10	5.03E-10	ZBTB24	8.78E-01
ENSBTAG00000011313	1.25E-10	1.42E-10	CASP8AP2	8.78E-01
ENSBTAG00000043950	7.31E-10	8.19E-10	LCA5	8.93E-01
ENSBTAG00000036287	4.10E-10	4.57E-10	SAMD5	8.97E-01
ENSBTAG00000019139	1.42E-10	1.57E-10	PHF3	9.06E-01
ENSBTAG00000015638	3.82E-10	4.22E-10	IL20RA	9.06E-01
ENSBTAG00000012418	4.62E-10	5.09E-10	MED23	9.07E-01
ENSBTAG00000016164	6.47E-10	7.11E-10	LMBRD1	9.10E-01
ENSBTAG00000005083	3.01E-10	3.27E-10	TULP4	9.19E-01
ENSBTAG00000003384	1.03E-09	1.12E-09	CEP162	9.23E-01
ENSBTAG00000009277	1.97E-10	2.14E-10	RGS17	9.18E-01
ENSBTAG00000039329	8.00E-10	8.63E-10	RAET1G	9.27E-01
ENSBTAG00000021420	4.05E-10	4.36E-10	EPHA7	9.29E-01
ENSBTAG00000011911	3.83E-10	4.12E-10		9.30E-01
ENSBTAG00000038414	9.61E-10	1.03E-09	TAAR2	9.33E-01
ENSBTAG00000011106	4.44E-10	4.74E-10	PACRG	9.36E-01
ENSBTAG00000033365	3.28E-10	3.50E-10	METTL24	9.36E-01
ENSBTAG00000034531	3.92E-10	4.17E-10		9.39E-01
ENSBTAG00000017000	5.11E-10	5.42E-10	IL22RA2	9.43E-01
ENSBTAG00000008540	2.38E-10	2.53E-10	SLC22A1	9.42E-01
ENSBTAG00000020079	1.82E-10	1.92E-10	MAP3K4	9.48E-01
ENSBTAG00000002993	1.12E-09	1.17E-09		9.54E-01
ENSBTAG00000007758	6.41E-10	6.74E-10	PDE10A	9.51E-01
ENSBTAG00000040533	4.78E-10	5.01E-10		9.54E-01
ENSBTAG00000012946	1.60E-10	1.67E-10	HSF2	9.55E-01
ENSBTAG00000015166	7.89E-10	8.25E-10	PNLDC1	9.56E-01
ENSBTAG00000019719	4.88E-10	5.10E-10	OPRM1	9.57E-01
ENSBTAG00000033961	5.68E-10	5.93E-10		9.58E-01
ENSBTAG000000009575	4.49E-10	4.67E-10	TBC1D32	9.62E-01
ENSBTAG00000007288	3.18E-10	3.30E-10	CDK19	9.64E-01
ENSBTAG00000010334	7.92E-10	8.21E-10	SYTL3	9.65E-01
ENSBTAG00000012403	5.95E-10	6.15E-10	ARG1	9.68E-01
ENSBTAG00000018464	5.50E-10	5.68E-10	ZDHHC14	9.69E-01
ENSBTAG00000020174	1.41E-10	1.46E-10	HBS1L	9.63E-01
ENSBTAG00000001146	2.45E-10	2.51E-10	HIVEP2	9.75E-01
ENSBTAG00000016046	1.75E-10	1.79E-10	GOPC	9.80E-01
ENSBTAG000000031917	2.98E-10	3.02E-10	SCAF8	9.86E-01
ENSBTAG00000005827	3.63E-10	3.66E-10	FIG4	9.91E-01
ENSBTAG00000003078	1.23E-10	1.24E-10	COL10A1	9.95E-01
ENSBTAG00000007686	1.69E-10	1.71E-10		9.90E-01
ENSBTAG00000019110	2.03E-10	2.05E-10	PNRC1	9.92E-01
ENSBTAG00000017554	4.61E-10	4.65E-10	RTN4IP1	9.90E-01
ENSBTAG00000018996	6.77E-10	6.83E-10	PARK2	9.92E-01
ENSBTAG00000012299	3.47E-10	3.50E-10	REPS1	9.92E-01
ENSBTAG00000026716	3.52E-10	3.55E-10	IBTK	9.93E-01
ENSBTAG00000001446	1.09E-10	1.10E-10	ABRACL	9.90E-01
ENSBTAG00000027223	3.82E-10	3.85E-10		9.93E-01
ENSBTAG00000014534	1.21E-10	1.22E-10		9.89E-01
ENSBTAG00000015498	1.50E-10	1.49E-10	ELOVL4	1.01E+00
ENSBTAG00000047902	1.02E-09	1.02E-09	ULBP21	1.00E+00
ENSBTAG00000019002	4.79E-10	4.76E-10	SLC2A12	1.01E+00
ENSBTAG00000015242	6.60E-10	6.57E-10	SLC18B1	1.01E+00
ENSBTAG00000020196	5.95E-10	5.91E-10	ENPP3	1.01E+00
ENSBTAG00000011667	8.81E-11	8.72E-11	PM20D2	1.01E+00
ENSBTAG00000002829	4.89E-10	4.83E-10	TCP1	1.01E+00
ENSBTAG00000013837	5.76E-10	5.67E-10	TUBE1	1.02E+00
ENSBTAG00000047985	7.31E-10	7.16E-10	TAAR5	1.02E+00
ENSBTAG00000033195	2.42E-10	2.37E-10		1.02E+00
ENSBTAG00000002725	1.91E-10	1.86E-10	RNGTT	1.03E+00

ENSBTAG00000019418	2.01E-10	1.94E-10	UBE3D	1.04E+00
ENSBTAG00000015888	1.64E-10	1.58E-10	PDE7B	1.04E+00
ENSBTAG00000003336	6.09E-10	5.86E-10	TPD52L1	1.04E+00
ENSBTAG00000032007	6.10E-10	5.86E-10	LRP11	1.04E+00
ENSBTAG00000003076	2.30E-10	2.20E-10	NT5DC1	1.04E+00
ENSBTAG00000046235	1.22E-10	1.16E-10	SRSF12	1.05E+00
ENSBTAG00000013591	8.31E-10	7.93E-10	CYB5R4	1.05E+00
ENSBTAG00000005100	4.20E-10	4.00E-10	TMEM30A	1.05E+00
ENSBTAG00000016562	3.17E-10	2.99E-10	SEC63	1.06E+00
ENSBTAG00000026704	5.04E-10	4.77E-10	CENPW	1.06E+00
ENSBTAG00000001271	3.60E-10	3.41E-10		1.06E+00
ENSBTAG00000039444	3.18E-10	3.00E-10		1.06E+00
ENSBTAG00000016582	9.55E-11	9.02E-11	GTF3C6	1.06E+00
ENSBTAG000000011509	1.85E-10	1.74E-10	SERAC1	1.06E+00
ENSBTAG00000033083	4.97E-10	4.69E-10		1.06E+00
ENSBTAG00000013400	1.15E-10	1.09E-10	VIP	1.05E+00
ENSBTAG000000021175	5.94E-10	5.57E-10		1.07E+00
ENSBTAG00000006323	2.88E-10	2.70E-10	SNX9	1.07E+00
ENSBTAG00000003938	6.66E-10	6.22E-10	FNDC1	1.07E+00
ENSBTAG00000031481	2.14E-10	1.99E-10	TTL2	1.08E+00
ENSBTAG000000040354	8.16E-10	7.58E-10		1.08E+00
ENSBTAG00000000918	1.88E-10	1.74E-10	ERMARD	1.08E+00
ENSBTAG00000007791	4.40E-10	4.08E-10	KCNQ5	1.08E+00
ENSBTAG000000002171	2.17E-10	1.99E-10	FAM135A	1.09E+00
ENSBTAG000000009583	4.37E-10	4.01E-10	SLC22A2	1.09E+00
ENSBTAG00000017139	6.36E-10	5.83E-10	STX7	1.09E+00
ENSBTAG00000046232	2.60E-09	2.39E-09		1.09E+00
ENSBTAG00000010347	5.43E-10	4.96E-10	EZR	1.09E+00
ENSBTAG00000016839	1.59E-10	1.46E-10	MTO1	1.09E+00
ENSBTAG00000015485	3.34E-10	3.05E-10	C6orf118	1.10E+00
ENSBTAG00000000264	2.49E-10	2.27E-10	RFX6	1.10E+00
ENSBTAG00000000436	2.86E-10	2.60E-10	TNFAIP3	1.10E+00
ENSBTAG00000013991	1.16E-10	1.06E-10	NR2E1	1.09E+00
ENSBTAG00000001598	2.86E-10	2.59E-10	MAP7	1.10E+00
ENSBTAG00000011234	1.94E-10	1.75E-10	FOXO3	1.11E+00
ENSBTAG00000010116	5.10E-10	4.61E-10	AK9	1.11E+00
ENSBTAG00000013222	5.99E-10	5.39E-10	CD109	1.11E+00
ENSBTAG00000047224	3.81E-10	3.43E-10	RYK	1.11E+00
ENSBTAG00000016751	9.48E-10	8.48E-10	MYO6	1.12E+00
ENSBTAG00000020056	3.68E-10	3.27E-10	COL12A1	1.13E+00
ENSBTAG00000001422	5.58E-10	4.96E-10	HMG3	1.13E+00
ENSBTAG00000017393	3.19E-10	2.83E-10	L3MBTL3	1.13E+00
ENSBTAG00000010204	2.41E-10	2.13E-10	PCMT1	1.13E+00
ENSBTAG00000031476	1.06E-10	9.36E-11	DLL1	1.13E+00
ENSBTAG00000033657	6.01E-10	5.26E-10	SLC35F1	1.14E+00
ENSBTAG00000014057	1.61E-10	1.40E-10	SLC35A1	1.15E+00
ENSBTAG00000018801	1.48E-10	1.29E-10	SNX3	1.14E+00
ENSBTAG00000008112	2.38E-10	2.08E-10	SHPRH	1.14E+00
ENSBTAG00000016791	2.02E-10	1.76E-10	PEX7	1.15E+00
ENSBTAG00000012544	3.50E-10	3.05E-10	IFNGR1	1.15E+00
ENSBTAG00000047912	1.00E-09	8.70E-10		1.15E+00
ENSBTAG00000024751	1.03E-09	8.97E-10		1.15E+00
ENSBTAG00000000019	2.48E-10	2.15E-10	SERINC1	1.15E+00
ENSBTAG00000021361	2.32E-10	2.01E-10	SAMD3	1.15E+00
ENSBTAG00000016844	3.73E-10	3.22E-10	ADGB	1.16E+00
ENSBTAG00000017879	3.65E-10	3.15E-10	C6orf163	1.16E+00
ENSBTAG00000015335	4.79E-10	4.13E-10	ADGRB3	1.16E+00
ENSBTAG00000039574	1.98E-10	1.71E-10		1.16E+00
ENSBTAG00000011330	5.34E-10	4.59E-10		1.16E+00
ENSBTAG00000011179	2.99E-10	2.57E-10	PDCD2	1.17E+00
ENSBTAG00000001533	2.23E-10	1.91E-10	HACE1	1.17E+00
ENSBTAG00000047338	4.66E-10	3.99E-10	DCBLD1	1.17E+00
ENSBTAG00000008144	1.59E-10	1.36E-10	PPIL6	1.17E+00
ENSBTAG00000026586	6.33E-10	5.41E-10	PPP1R14C	1.17E+00
ENSBTAG00000047024	2.00E-10	1.70E-10		1.18E+00
ENSBTAG00000038849	5.45E-10	4.63E-10		1.18E+00
ENSBTAG00000017557	2.92E-10	2.48E-10	QRSL1	1.18E+00
ENSBTAG00000003455	3.00E-10	2.54E-10	ANKRD6	1.18E+00
ENSBTAG00000026672	6.89E-10	5.82E-10		1.18E+00
ENSBTAG00000002082	1.18E-10	9.90E-11	MARCKS	1.19E+00

ENSBTAG00000000995	1.01E-10	8.49E-11	FAM46A	1.19E+00
ENSBTAG00000011851	3.74E-10	3.13E-10	FYN	1.19E+00
ENSBTAG00000016391	1.70E-09	1.42E-09		1.19E+00
ENSBTAG00000003496	2.21E-10	1.84E-10	AIG1	1.20E+00
ENSBTAG00000021970	2.42E-10	2.00E-10	EYA4	1.21E+00
ENSBTAG00000016969	1.16E-10	9.53E-11	ORC3	1.22E+00
ENSBTAG00000003340	3.08E-10	2.52E-10	HDDC2	1.22E+00
ENSBTAG00000038112	2.27E-10	1.85E-10		1.23E+00
ENSBTAG00000007799	1.50E-10	1.23E-10	MTRF2	1.22E+00
ENSBTAG00000017958	2.17E-10	1.76E-10	AHI1	1.23E+00
ENSBTAG00000015935	3.53E-10	2.84E-10	IYD	1.24E+00
ENSBTAG00000018435	8.22E-11	6.59E-11	GABRR2	1.25E+00
ENSBTAG00000036061	4.73E-10	3.78E-10		1.25E+00
ENSBTAG00000020097	3.15E-10	2.52E-10		1.25E+00
ENSBTAG00000044181	5.09E-10	4.06E-10	GRM1	1.25E+00
ENSBTAG00000018161	3.48E-10	2.77E-10	TBX18	1.26E+00
ENSBTAG00000012674	6.23E-10	4.94E-10	CNKSR3	1.26E+00
ENSBTAG00000003887	4.07E-10	3.22E-10	ECHDC1	1.26E+00
ENSBTAG00000000188	7.53E-10	5.90E-10	HS3ST5	1.28E+00
ENSBTAG00000027049	3.68E-10	2.88E-10	SDHAF4	1.28E+00
ENSBTAG00000003764	1.51E-10	1.17E-10	AKIRIN2	1.29E+00
ENSBTAG00000004795	2.56E-10	1.98E-10	RIPPLY2	1.29E+00
ENSBTAG00000015467	7.24E-10	5.60E-10	FAM184A	1.29E+00
ENSBTAG00000026637	1.69E-10	1.30E-10		1.30E+00
ENSBTAG00000007685	2.13E-10	1.63E-10	PSMB1	1.31E+00
ENSBTAG00000021814	3.39E-10	2.59E-10	DDX43	1.31E+00
ENSBTAG00000044053	5.06E-10	3.85E-10	SLC17A5	1.31E+00
ENSBTAG00000002275	1.04E-10	7.87E-11	PTP4A1	1.32E+00
ENSBTAG00000016967	1.16E-10	8.79E-11	RARS2	1.32E+00
ENSBTAG00000009795	6.11E-10	4.61E-10	SF3B5	1.33E+00
ENSBTAG00000046593	4.17E-10	3.15E-10		1.33E+00
ENSBTAG000000046733	8.30E-10	6.25E-10		1.33E+00
ENSBTAG00000020410	2.79E-10	2.10E-10	UFL1	1.33E+00
ENSBTAG00000001803	3.41E-10	2.56E-10	FHL5	1.33E+00
ENSBTAG00000016357	1.08E-09	8.10E-10	VNN2	1.33E+00
ENSBTAG00000005869	1.85E-10	1.39E-10	SEN6	1.33E+00
ENSBTAG00000000679	3.91E-10	2.93E-10	PGM3	1.34E+00
ENSBTAG00000009065	3.13E-10	2.34E-10	MAP3K5	1.34E+00
ENSBTAG00000000892	1.98E-10	1.47E-10	MB21D1	1.34E+00
ENSBTAG00000001956	1.33E-10	9.86E-11	HINT3	1.34E+00
ENSBTAG00000003919	6.69E-10	4.97E-10	KIAA0408	1.35E+00
ENSBTAG00000008121	2.03E-10	1.51E-10		1.34E+00
ENSBTAG00000039080	3.02E-10	2.24E-10	SLC22A3	1.35E+00
ENSBTAG00000021193	3.05E-10	2.27E-10	FBXO5	1.35E+00
ENSBTAG00000019175	1.75E-10	1.30E-10	SOBP	1.35E+00
ENSBTAG00000015094	3.98E-10	2.95E-10	VNN1	1.35E+00
ENSBTAG00000007694	8.50E-10	6.29E-10		1.35E+00
ENSBTAG00000020238	5.12E-10	3.76E-10	RIMS1	1.36E+00
ENSBTAG00000011593	2.24E-10	1.65E-10	QKI	1.36E+00
ENSBTAG00000007159	3.81E-10	2.79E-10	ESR1	1.37E+00
ENSBTAG00000011849	2.26E-10	1.65E-10	HDAC2	1.37E+00
ENSBTAG00000021107	1.68E-10	1.22E-10	STXBP5	1.38E+00
ENSBTAG00000016980	3.16E-10	2.29E-10	PPIL4	1.38E+00
ENSBTAG00000010760	1.25E-10	9.04E-11	REV3L	1.38E+00
ENSBTAG000000045772	1.25E-09	8.93E-10		1.40E+00
ENSBTAG00000009362	5.67E-10	4.03E-10	SYNE1	1.41E+00
ENSBTAG00000045624	1.39E-09	9.84E-10		1.41E+00
ENSBTAG00000005557	4.42E-10	3.12E-10	AFDN	1.42E+00
ENSBTAG00000015181	3.44E-10	2.41E-10	EPM2A	1.43E+00
ENSBTAG00000046809	1.57E-10	1.10E-10		1.43E+00
ENSBTAG00000017370	3.78E-10	2.64E-10	ARFGF3	1.43E+00
ENSBTAG00000009239	2.23E-10	1.55E-10	SLC16A10	1.44E+00
ENSBTAG00000005376	1.24E-10	8.71E-11	FBXO30	1.43E+00
ENSBTAG00000024595	2.27E-10	1.58E-10	HECA	1.43E+00
ENSBTAG00000020829	4.85E-10	3.36E-10	PTPRK	1.44E+00
ENSBTAG00000033153	3.25E-10	2.25E-10	GRIK2	1.45E+00
ENSBTAG00000001289	4.74E-10	3.25E-10	MRPL18	1.46E+00
ENSBTAG00000019469	5.46E-10	3.74E-10	SPACA1	1.46E+00
ENSBTAG00000038190	3.39E-10	2.31E-10	SMAP1	1.47E+00
ENSBTAG00000010838	3.78E-10	2.58E-10	TMEM181	1.46E+00

ENSBTAG00000002728	2.99E-10	2.04E-10	ARID1B	1.47E+00
ENSBTAG00000018634	2.96E-10	2.01E-10	SH3BGRL2	1.47E+00
ENSBTAG00000026708	1.02E-09	6.91E-10	PRSS35	1.47E+00
ENSBTAG00000019410	2.03E-10	1.37E-10	CEP57L1	1.48E+00
ENSBTAG00000005681	5.80E-10	3.91E-10	ME1	1.48E+00
ENSBTAG00000044061	2.52E-10	1.70E-10	FAXC	1.48E+00
ENSBTAG00000011890	2.71E-10	1.82E-10	RSPH4A	1.49E+00
ENSBTAG00000002827	6.64E-10	4.47E-10	ACAT2	1.49E+00
ENSBTAG00000045976	5.74E-10	3.85E-10		1.49E+00
ENSBTAG00000000880	1.68E-10	1.13E-10	GINM1	1.49E+00
ENSBTAG00000033554	3.65E-10	2.41E-10	TRAPPC3L	1.51E+00
ENSBTAG00000018438	1.75E-10	1.15E-10	RRAGD	1.52E+00
ENSBTAG00000009275	4.82E-10	3.14E-10	MTRF1L	1.53E+00
ENSBTAG00000008817	3.86E-10	2.51E-10	LAMA4	1.54E+00
ENSBTAG00000009679	3.92E-10	2.52E-10	PLEKHG1	1.56E+00
ENSBTAG00000026133	9.92E-10	6.38E-10		1.55E+00
ENSBTAG00000000817	2.77E-10	1.77E-10	SYNJ2	1.56E+00
ENSBTAG00000000053	4.77E-10	3.06E-10	FILIP1	1.56E+00
ENSBTAG00000026673	2.23E-10	1.40E-10	KPNA5	1.59E+00
ENSBTAG0000001835	8.81E-11	5.55E-11	GJA1	1.59E+00
ENSBTAG00000033218	1.26E-10	7.94E-11		1.59E+00
ENSBTAG00000046006	3.47E-10	2.18E-10	CNR1	1.59E+00
ENSBTAG00000010885	3.02E-10	1.90E-10	TSPYL1	1.59E+00
ENSBTAG00000014104	7.23E-10	4.54E-10		1.59E+00
ENSBTAG00000038931	2.31E-10	1.46E-10		1.58E+00
ENSBTAG00000048114	2.40E-10	1.51E-10		1.59E+00
ENSBTAG00000015497	1.30E-10	8.17E-11		1.59E+00
ENSBTAG00000000676	4.51E-10	2.83E-10	DOPEY1	1.59E+00
ENSBTAG00000015381	1.94E-10	1.20E-10	ARHGAP18	1.62E+00
ENSBTAG00000002059	2.13E-10	1.32E-10	MCM9	1.62E+00
ENSBTAG00000019730	1.84E-10	1.12E-10	PNISR	1.65E+00
ENSBTAG00000032163	2.29E-10	1.38E-10		1.66E+00
ENSBTAG00000019460	9.76E-10	5.86E-10	MOXD1	1.66E+00
ENSBTAG00000007802	1.20E-10	7.21E-11	BCLAF1	1.67E+00
ENSBTAG00000007668	3.92E-10	2.33E-10	AGPAT4	1.68E+00
ENSBTAG00000007974	3.73E-10	2.19E-10		1.71E+00
ENSBTAG00000003921	5.52E-10	3.23E-10		1.71E+00
ENSBTAG00000018810	2.90E-10	1.68E-10	THBS2	1.73E+00
ENSBTAG00000020707	3.80E-10	2.18E-10	ADGRG6	1.74E+00
ENSBTAG00000016281	3.07E-10	1.76E-10	PREP	1.74E+00
ENSBTAG00000021859	2.25E-10	1.29E-10	PDSS2	1.74E+00
ENSBTAG00000014062	3.78E-10	2.15E-10	FRMD1	1.76E+00
ENSBTAG00000018790	1.87E-10	1.05E-10	BVES	1.78E+00
ENSBTAG00000038447	7.18E-10	4.01E-10		1.79E+00
ENSBTAG00000013551	6.90E-10	3.81E-10	NOX3	1.81E+00
ENSBTAG00000046612	1.65E-10	9.13E-11	ZNF292	1.81E+00
ENSBTAG00000014592	1.55E-10	8.43E-11	LACE1	1.84E+00
ENSBTAG00000026519	1.35E-10	7.36E-11	ADAT2	1.84E+00
ENSBTAG00000021667	4.93E-10	2.65E-10		1.86E+00
ENSBTAG00000005729	1.80E-10	9.71E-11	FBXL4	1.86E+00
ENSBTAG00000010229	4.45E-10	2.39E-10	LAMA2	1.86E+00
ENSBTAG00000005301	5.88E-10	3.14E-10	KLHL32	1.87E+00
ENSBTAG00000021587	1.22E-10	6.52E-11	SMPDL3A	1.88E+00
ENSBTAG00000015744	2.64E-10	1.40E-10	CCNC	1.89E+00
ENSBTAG00000001826	4.52E-10	2.40E-10	SASH1	1.88E+00
ENSBTAG00000007201	1.66E-10	8.83E-11	TMEM242	1.88E+00
ENSBTAG00000020991	6.42E-10	3.36E-10		1.91E+00
ENSBTAG00000043973	1.40E-10	7.27E-11	LIN28B	1.93E+00
ENSBTAG00000014054	1.55E-10	8.03E-11		1.93E+00
ENSBTAG00000009665	5.85E-10	3.02E-10	UTRN	1.94E+00
ENSBTAG00000033429	9.54E-10	4.91E-10	FAM229B	1.94E+00
ENSBTAG00000021830	6.74E-10	3.45E-10	ENPP1	1.95E+00
ENSBTAG00000047118	2.59E-10	1.33E-10		1.95E+00
ENSBTAG00000001957	1.81E-10	9.19E-11	TRMT11	1.96E+00
ENSBTAG00000024688	2.81E-10	1.43E-10	PHIP	1.96E+00
ENSBTAG00000009846	6.22E-10	3.15E-10	MTHFD1L	1.97E+00
ENSBTAG00000046017	2.96E-10	1.49E-10	POPC3	1.99E+00
ENSBTAG00000037718	4.06E-10	2.04E-10	TAAR1	1.99E+00
ENSBTAG00000003174	3.79E-10	1.91E-10	NDUFAF4	1.99E+00
ENSBTAG00000037598	2.50E-10	1.26E-10		1.98E+00

ENSBTAG00000015516	1.24E-10	6.27E-11	CCDC28A	1.98E+00
ENSBTAG00000020018	2.74E-10	1.36E-10	FRK	2.01E+00
ENSBTAG00000020713	2.96E-10	1.47E-10	BACH2	2.01E+00
ENSBTAG00000018528	2.32E-10	1.14E-10	USP45	2.03E+00
ENSBTAG00000017527	3.91E-10	1.91E-10	AIM1	2.05E+00
ENSBTAG00000007975	2.49E-10	1.21E-10	ALDH8A1	2.06E+00
ENSBTAG00000000629	3.53E-10	1.72E-10	MMS22L	2.05E+00
ENSBTAG00000019729	2.97E-10	1.42E-10	COQ3	2.09E+00
ENSBTAG00000005955	6.81E-10	3.23E-10	RSPH3	2.11E+00
ENSBTAG00000020825	2.89E-10	1.37E-10	IRAK1BP1	2.11E+00
ENSBTAG00000005960	4.49E-10	2.12E-10	EPB41L2	2.12E+00
ENSBTAG00000032024	1.50E-10	6.89E-11	KATNA1	2.17E+00
ENSBTAG00000000916	2.39E-10	1.09E-10	TCTE3	2.19E+00
ENSBTAG00000009355	3.20E-10	1.46E-10	SNAP91	2.19E+00
ENSBTAG00000016584	7.39E-11	3.39E-11	RPF2	2.18E+00
ENSBTAG00000020368	3.54E-10	1.62E-10		2.18E+00
ENSBTAG00000017205	8.33E-10	3.73E-10	WISP3	2.23E+00
ENSBTAG000000031895	2.45E-10	1.09E-10	TFB1M	2.25E+00
ENSBTAG00000026548	1.31E-09	5.80E-10		2.27E+00
ENSBTAG00000003489	4.19E-10	1.83E-10	IPCEF1	2.29E+00
ENSBTAG00000016138	1.70E-10	7.34E-11	GPA1	2.32E+00
ENSBTAG00000005205	3.84E-10	1.64E-10	DSE	2.34E+00
ENSBTAG00000004472	5.91E-10	2.51E-10	DYNLT1	2.35E+00
ENSBTAG000000021741	9.36E-10	3.95E-10	RPS6KA2	2.37E+00
ENSBTAG000000047309	2.12E-10	8.87E-11		2.38E+00
ENSBTAG00000006095	1.27E-10	5.33E-11	PRDM13	2.38E+00
ENSBTAG00000046219	2.28E-10	9.58E-11		2.38E+00
ENSBTAG00000013176	4.58E-10	1.92E-10	SMOC2	2.38E+00
ENSBTAG00000040543	5.01E-10	2.10E-10	TMEM200A	2.39E+00
ENSBTAG00000040489	2.34E-10	9.80E-11		2.38E+00
ENSBTAG00000012254	5.72E-10	2.39E-10		2.39E+00
ENSBTAG00000005699	4.13E-10	1.72E-10	SCML4	2.40E+00
ENSBTAG000000020482	4.56E-10	1.90E-10	ASCC3	2.40E+00
ENSBTAG00000002402	3.14E-10	1.28E-10	IGF2R	2.45E+00
ENSBTAG00000027312	3.33E-10	1.35E-10	ECT2L	2.46E+00
ENSBTAG00000016498	3.16E-10	1.28E-10	PHACTR2	2.47E+00
ENSBTAG00000000919	1.61E-10	6.46E-11	HEY2	2.49E+00
ENSBTAG00000016374	2.65E-10	1.05E-10	OGFRL1	2.52E+00
ENSBTAG00000020817	2.95E-10	1.16E-10	B3GAT2	2.54E+00
ENSBTAG000000026578	2.60E-10	9.94E-11		2.61E+00
ENSBTAG00000005026	4.83E-10	1.84E-10	MANEA	2.62E+00
ENSBTAG00000014494	9.98E-10	3.64E-10		2.74E+00
ENSBTAG00000000816	3.83E-10	1.39E-10	PRDM1	2.76E+00
ENSBTAG00000046282	9.90E-11	3.56E-11	VGLL2	2.78E+00
ENSBTAG00000026604	2.77E-10	9.94E-11	LYRM2	2.78E+00
ENSBTAG00000038891	1.50E-09	5.35E-10		2.81E+00
ENSBTAG00000047600	3.71E-10	1.30E-10	ROS1	2.85E+00
ENSBTAG00000013454	7.45E-11	2.61E-11	TAB2	2.85E+00
ENSBTAG00000012931	1.98E-10	6.71E-11	PLN	2.95E+00
ENSBTAG00000010134	2.37E-10	7.94E-11	OSTM1	2.98E+00
ENSBTAG00000002964	4.93E-10	1.58E-10	TXLNB	3.12E+00
ENSBTAG00000036087	4.45E-10	1.42E-10	ARMC2	3.13E+00
ENSBTAG00000004269	1.18E-10	3.71E-11	SGK1	3.17E+00
ENSBTAG00000036273	1.77E-10	5.55E-11		3.18E+00
ENSBTAG00000015076	1.90E-10	5.97E-11	LATS1	3.18E+00
ENSBTAG00000003878	6.10E-10	1.91E-10	ZUFSP	3.19E+00
ENSBTAG00000027879	6.49E-10	2.01E-10		3.23E+00
ENSBTAG00000005851	5.28E-10	1.62E-10	VTA1	3.26E+00
ENSBTAG00000005449	7.41E-10	2.27E-10	MCHR2	3.26E+00
ENSBTAG00000003342	9.61E-11	2.90E-11	AMD1	3.31E+00
ENSBTAG00000009689	4.63E-10	1.40E-10	RWDD1	3.31E+00
ENSBTAG00000035054	5.96E-10	1.76E-10	COL9A1	3.39E+00
ENSBTAG00000015615	3.55E-10	1.03E-10	THEMIS	3.44E+00
ENSBTAG00000043975	5.51E-10	1.60E-10	MYCT1	3.44E+00
ENSBTAG00000033803	2.82E-10	8.18E-11	FABP7	3.44E+00
ENSBTAG00000033460	6.77E-10	1.91E-10	FAM162B	3.55E+00
ENSBTAG00000035370	1.14E-10	3.14E-11	TBPL1	3.63E+00
ENSBTAG00000047479	2.03E-09	5.48E-10		3.70E+00
ENSBTAG00000003015	2.43E-10	6.50E-11	SESN1	3.74E+00
ENSBTAG00000004098	2.61E-10	6.87E-11	ARMT1	3.80E+00



ENSBTAG00000010196	1.55E-10	4.04E-11	NUP43	3.83E+00
ENSBTAG00000012929	4.12E-10	9.80E-11	CEP85L	4.21E+00
ENSBTAG00000000243	3.87E-10	9.11E-11	HEBP2	4.24E+00
ENSBTAG00000046503	6.31E-10	1.48E-10		4.26E+00
ENSBTAG00000006549	3.96E-10	9.03E-11	FAM26F	4.38E+00
ENSBTAG00000014495	6.43E-10	1.47E-10	FGFR1LOP	4.37E+00
ENSBTAG00000045879	3.24E-10	7.19E-11	FAM26E	4.50E+00
ENSBTAG00000000257	6.07E-10	1.35E-10	MRAP2	4.49E+00
ENSBTAG00000003884	1.99E-10	4.28E-11	FAM120B	4.65E+00
ENSBTAG000000038483	4.78E-10	1.00E-10		4.78E+00
ENSBTAG000000005400	2.18E-10	4.56E-11		4.76E+00
ENSBTAG00000040509	4.26E-10	8.92E-11	TAAR6	4.77E+00
ENSBTAG000000034925	7.85E-10	1.64E-10	KHDC3L	4.78E+00
ENSBTAG000000031701	6.08E-10	1.20E-10	TAGAP	5.07E+00
ENSBTAG00000013224	3.52E-10	6.61E-11	RMND1	5.33E+00
ENSBTAG00000000409	3.67E-10	6.87E-11	CDC40	5.34E+00
ENSBTAG000000016627	1.80E-10	3.36E-11	WASF1	5.35E+00
ENSBTAG000000006672	1.53E-10	2.75E-11	SYNCRIP	5.54E+00
ENSBTAG00000008159	1.99E-10	3.45E-11	ZC2HC1B	5.76E+00
ENSBTAG00000018408	2.43E-10	3.93E-11	SNX14	6.17E+00
ENSBTAG000000045726	1.75E-10	2.75E-11		6.35E+00
ENSBTAG000000000245	2.73E-10	4.23E-11	NHSL1	6.45E+00
ENSBTAG00000043954	6.21E-10	8.79E-11	NMBR	7.06E+00
ENSBTAG00000002868	3.10E-10	4.33E-11	GPR6	7.14E+00
ENSBTAG000000014790	3.31E-10	4.54E-11	ZBTB2	7.28E+00
ENSBTAG00000014788	4.65E-10	6.26E-11	AKAP12	7.42E+00
ENSBTAG00000024381	6.39E-10	8.17E-11	MAN1A1	7.82E+00
ENSBTAG000000039058	7.94E-10	9.94E-11		7.98E+00
ENSBTAG00000014496	8.15E-10	9.27E-11	CCR6	8.78E+00
ENSBTAG00000017166	6.43E-10	6.40E-11	C6orf58	1.00E+01
ENSBTAG00000008600	4.36E-10	4.21E-11	TRAF3IP2	1.03E+01
ENSBTAG000000001747	6.19E-10	5.47E-11	PEX3	1.13E+01
ENSBTAG000000001752	6.07E-10	3.19E-11	FUCA2	1.90E+01
ENSBTAG00000047687	8.60E-11	0		8.61E+02
ENSBTAG00000019600	2.09E-10	0	OOEP	2.09E+03
ENSBTAG00000047004	1.65E-10	0	UMAD1	1.65E+03
ENSBTAG00000047280	0	0		1.00E+00
ENSBTAG00000004890	0	0		1.00E+00
ENSBTAG00000047011	0	0		1.00E+00
ENSBTAG000000046168	0	0		1.00E+00
ENSBTAG00000016793	0	0	SLC35D3	1.00E+00
ENSBTAG00000026580	0	0	HTR1E	1.00E+00
ENSBTAG00000021446	0	0		1.00E+00
ENSBTAG00000047327	7.98E-11	0		7.99E+02
ENSBTAG00000026523	1.34E-10	0	PLAGL1	1.34E+03
ENSBTAG00000006398	0	0	TOMM7	1.00E+00
ENSBTAG00000016405	0	0		1.00E+00
ENSBTAG000000014497	2.62E-10	0	GPR31	2.62E+03
ENSBTAG00000011735	2.26E-10	0		2.26E+03
ENSBTAG00000039456	1.56E-10	0		1.56E+03
ENSBTAG00000045504	0	0		1.00E+00
ENSBTAG000000023792	3.75E-10	0	RPS19	3.75E+03
ENSBTAG000000030490	1.59E-09	0		1.59E+04
ENSBTAG000000002915	3.08E-10	0	GPR63	3.08E+03
ENSBTAG000000047483	0	2.00E-10		5.00E-04
ENSBTAG000000038188	0	1.44E-09		6.94E-05
ENSBTAG00000011985	1.94E-10	1.78E-09		1.09E-01
ENSBTAG000000039353	4.51E-11	3.42E-10		1.32E-01
ENSBTAG000000005214	1.42E-10	1.03E-09	LCTL	1.38E-01
ENSBTAG000000008792	1.10E-10	6.24E-10	RNASE6	1.76E-01
ENSBTAG000000009642	6.36E-11	3.21E-10	AKAP5	1.98E-01
ENSBTAG00000047566	1.75E-10	6.62E-10		2.64E-01
ENSBTAG000000008793	5.18E-11	1.96E-10		2.64E-01
ENSBTAG00000011987	1.24E-10	4.46E-10	C14orf1	2.78E-01
ENSBTAG00000011567	1.22E-10	4.40E-10	VPS18	2.78E-01
ENSBTAG000000035758	3.51E-10	1.11E-09	OR4K15	3.16E-01
ENSBTAG000000003835	4.39E-11	1.38E-10	BMP4	3.18E-01
ENSBTAG00000020327	1.60E-10	4.69E-10	ZNF410	3.41E-01
ENSBTAG00000017177	4.42E-11	1.24E-10	RBM25	3.57E-01
ENSBTAG000000003747	1.24E-10	3.32E-10		3.73E-01

ENSBTAG00000010239	2.36E-10	6.30E-10	FAM71D	3.74E-01
ENSBTAG00000005213	1.30E-10	3.27E-10	ZWILCH	3.96E-01
ENSBTAG00000013249	1.58E-11	3.99E-11		3.98E-01
ENSBTAG00000044071	7.58E-11	1.91E-10	HRH2	3.97E-01
ENSBTAG00000009271	3.09E-11	7.78E-11	PNMA1	3.97E-01
ENSBTAG00000001950	3.93E-11	9.90E-11	RDH11	3.97E-01
ENSBTAG00000045849	1.45E-10	3.66E-10		3.96E-01
ENSBTAG00000045595	1.41E-10	3.55E-10		3.96E-01
ENSBTAG00000020480	2.68E-10	6.11E-10	SPTLC2	4.38E-01
ENSBTAG00000011608	1.52E-10	3.46E-10	KIAA1191	4.40E-01
ENSBTAG00000034140	2.63E-10	5.91E-10	MEGF11	4.46E-01
ENSBTAG00000046009	3.76E-10	7.90E-10		4.75E-01
ENSBTAG00000020201	2.44E-10	5.00E-10	S100Z	4.88E-01
ENSBTAG00000009274	1.11E-09	2.12E-09		5.25E-01
ENSBTAG00000039950	1.94E-10	3.66E-10		5.29E-01
ENSBTAG00000025385	2.60E-10	4.93E-10		5.28E-01
ENSBTAG00000039707	9.75E-11	1.84E-10		5.30E-01
ENSBTAG00000006416	4.66E-11	8.82E-11	EMC4	5.29E-01
ENSBTAG00000047305	1.78E-10	3.37E-10		5.28E-01
ENSBTAG00000011757	1.56E-10	2.89E-10	PSEN1	5.41E-01
ENSBTAG00000025856	1.57E-10	2.81E-10	JMY	5.60E-01
ENSBTAG00000046668	1.87E-10	3.32E-10		5.63E-01
ENSBTAG00000004732	2.39E-10	4.18E-10	SPTB	5.71E-01
ENSBTAG00000017683	6.94E-11	1.19E-10	LYSMD2	5.84E-01
ENSBTAG00000012838	8.33E-11	1.40E-10	RDH12	5.95E-01
ENSBTAG00000013741	1.22E-10	2.04E-10	CPLX2	5.97E-01
ENSBTAG00000047239	2.39E-10	4.02E-10		5.94E-01
ENSBTAG00000047719	1.47E-10	2.31E-10	DRD1	6.36E-01
ENSBTAG00000010665	2.13E-10	3.36E-10	CBLN3	6.34E-01
ENSBTAG00000045492	1.98E-10	3.12E-10		6.34E-01
ENSBTAG00000004821	7.18E-10	1.13E-09	OR4K14	6.35E-01
ENSBTAG00000007029	7.00E-10	1.10E-09	OR4E2	6.36E-01
ENSBTAG00000021392	1.24E-10	1.96E-10	DCAF11	6.35E-01
ENSBTAG00000000081	3.02E-10	4.73E-10	COL4A3BP	6.40E-01
ENSBTAG00000009983	3.16E-10	4.80E-10	KIF23	6.58E-01
ENSBTAG00000045863	8.59E-10	1.30E-09	TRAV18	6.61E-01
ENSBTAG00000002576	2.94E-10	4.30E-10	GLDN	6.85E-01
ENSBTAG00000014948	1.56E-10	2.27E-10	NUTM1	6.85E-01
ENSBTAG00000014334	1.85E-10	2.65E-10	ZFYVE26	6.99E-01
ENSBTAG000000040151	2.77E-10	3.97E-10	GCH1	6.99E-01
ENSBTAG00000011349	2.36E-10	3.37E-10	CDH24	7.02E-01
ENSBTAG00000009911	6.27E-11	8.83E-11	HDC	7.11E-01
ENSBTAG00000006884	1.07E-10	1.50E-10		7.15E-01
ENSBTAG00000014824	1.74E-10	2.44E-10	MMP14	7.13E-01
ENSBTAG00000020040	2.14E-10	2.98E-10	LPCAT4	7.18E-01
ENSBTAG00000005395	7.92E-10	1.04E-09		7.61E-01
ENSBTAG00000011396	7.33E-10	9.66E-10		7.59E-01
ENSBTAG00000019612	2.07E-10	2.71E-10	RNASE4	7.65E-01
ENSBTAG00000012330	7.15E-10	9.17E-10	B2M	7.80E-01
ENSBTAG00000018971	1.68E-10	2.14E-10	RAD51B	7.85E-01
ENSBTAG00000014536	6.60E-10	8.43E-10	SFXN1	7.83E-01
ENSBTAG00000012726	2.53E-10	3.18E-10	PSMB5	7.94E-01
ENSBTAG00000030439	1.73E-10	2.18E-10		7.95E-01
ENSBTAG00000005774	3.89E-11	4.90E-11	VRTN	7.95E-01
ENSBTAG00000011925	3.49E-10	4.39E-10		7.94E-01
ENSBTAG00000020381	5.50E-11	6.93E-11	FCF1	7.93E-01
ENSBTAG00000009039	3.38E-10	4.26E-10	OR4K5	7.93E-01
ENSBTAG00000035309	3.41E-10	4.30E-10	OR4F15	7.93E-01
ENSBTAG00000033036	4.87E-10	6.14E-10		7.94E-01
ENSBTAG00000018039	8.35E-10	1.05E-09		7.95E-01
ENSBTAG00000046189	1.77E-10	2.24E-10	RNASE13	7.92E-01
ENSBTAG00000032789	1.77E-10	2.24E-10	OR4N2	7.92E-01
ENSBTAG00000032873	7.63E-10	9.62E-10		7.93E-01
ENSBTAG00000046426	5.31E-10	6.69E-10		7.94E-01
ENSBTAG00000047222	2.09E-10	2.64E-10		7.93E-01
ENSBTAG00000045866	5.33E-10	6.72E-10		7.93E-01
ENSBTAG00000046530	1.61E-10	2.03E-10		7.95E-01
ENSBTAG00000048058	8.92E-10	1.12E-09		7.96E-01
ENSBTAG00000047306	2.05E-09	2.58E-09	OR6J1	7.95E-01
ENSBTAG00000039370	9.73E-10	1.23E-09		7.91E-01

ENSBTAG00000012724	1.39E-10	1.75E-10	AJUBA	7.94E-01
ENSBTAG00000019114	8.37E-11	1.06E-10	FOXBI	7.90E-01
ENSBTAG00000046052	7.15E-11	9.00E-11	ANKRD63	7.94E-01
ENSBTAG00000030841	1.57E-10	1.98E-10		7.93E-01
ENSBTAG00000045591	3.41E-10	4.29E-10		7.94E-01
ENSBTAG00000012728	6.31E-10	7.95E-10	PSMB11	7.94E-01
ENSBTAG00000032686	5.08E-11	6.40E-11	HOMEZ	7.94E-01
ENSBTAG00000045634	3.86E-10	4.87E-10		7.94E-01
ENSBTAG00000016381	3.17E-10	4.00E-10	REM2	7.93E-01
ENSBTAG00000008135	6.15E-10	7.75E-10		7.93E-01
ENSBTAG00000003549	1.32E-09	1.67E-09		7.92E-01
ENSBTAG00000039354	4.38E-10	5.51E-10		7.94E-01
ENSBTAG00000040564	4.28E-10	5.39E-10		7.94E-01
ENSBTAG00000039462	1.36E-10	1.72E-10		7.94E-01
ENSBTAG00000008218	1.25E-10	1.56E-10	NPTN	8.00E-01
ENSBTAG00000011076	4.32E-10	5.35E-10	KCNN2	8.08E-01
ENSBTAG00000017677	1.24E-10	1.53E-10	SCG3	8.08E-01
ENSBTAG00000019454	1.25E-10	1.52E-10	ANGEL1	8.22E-01
ENSBTAG00000006463	1.48E-10	1.81E-10	DLST	8.19E-01
ENSBTAG00000014145	2.66E-10	3.24E-10	SKOR1	8.20E-01
ENSBTAG00000005016	4.00E-10	4.86E-10	AP3B1	8.24E-01
ENSBTAG00000039884	7.53E-10	9.07E-10		8.30E-01
ENSBTAG00000007809	4.03E-10	4.84E-10	PPP1R36	8.32E-01
ENSBTAG00000038234	3.29E-10	3.95E-10	BHMT2	8.33E-01
ENSBTAG00000012723	4.11E-10	4.89E-10		8.40E-01
ENSBTAG00000015580	3.19E-10	3.81E-10	TLE3	8.38E-01
ENSBTAG00000016658	6.85E-10	8.15E-10	ABHD4	8.41E-01
ENSBTAG00000009030	1.02E-09	1.22E-09	NOX5	8.38E-01
ENSBTAG00000032799	1.43E-09	1.69E-09		8.47E-01
ENSBTAG00000011571	2.99E-10	3.52E-10	ACIN1	8.49E-01
ENSBTAG00000018320	5.73E-10	6.74E-10	RPLP1	8.51E-01
ENSBTAG00000005694	4.09E-10	4.76E-10	TMED10	8.58E-01
ENSBTAG00000012737	4.72E-10	5.50E-10	GPR65	8.59E-01
ENSBTAG00000011644	5.65E-10	6.56E-10		8.61E-01
ENSBTAG00000013652	1.85E-10	2.14E-10	GTF2A1	8.64E-01
ENSBTAG00000017489	2.47E-10	2.84E-10	TSHR	8.68E-01
ENSBTAG00000019819	4.97E-10	5.72E-10	FUT8	8.68E-01
ENSBTAG00000034998	1.46E-10	1.67E-10	SIMC1	8.72E-01
ENSBTAG00000025803	5.31E-10	6.10E-10	C15orf59	8.70E-01
ENSBTAG00000001558	5.45E-10	6.25E-10	PATL2	8.72E-01
ENSBTAG00000014822	1.84E-10	2.10E-10	MRPL52	8.75E-01
ENSBTAG00000047802	9.77E-10	1.12E-09	OR4L1	8.72E-01
ENSBTAG00000011680	2.10E-10	2.41E-10	PAPLN	8.71E-01
ENSBTAG00000010944	5.23E-10	5.99E-10	LRRC49	8.73E-01
ENSBTAG00000002255	1.85E-10	2.11E-10	BHMT	8.77E-01
ENSBTAG00000039618	4.82E-10	5.48E-10		8.79E-01
ENSBTAG00000010952	7.76E-10	8.80E-10		8.82E-01
ENSBTAG000000025434	1.49E-10	1.69E-10	ZFP36L1	8.84E-01
ENSBTAG00000000431	1.09E-09	1.23E-09		8.88E-01
ENSBTAG00000009151	3.98E-10	4.50E-10	PYGO1	8.85E-01
ENSBTAG00000012365	3.97E-10	4.47E-10		8.88E-01
ENSBTAG00000005429	3.68E-10	4.14E-10		8.88E-01
ENSBTAG00000044029	5.91E-10	6.66E-10	AVEN	8.88E-01
ENSBTAG00000008136	5.85E-10	6.59E-10	SNW1	8.88E-01
ENSBTAG00000000843	5.10E-10	5.73E-10	NDRG2	8.90E-01
ENSBTAG00000010270	4.67E-10	5.23E-10		8.93E-01
ENSBTAG00000039315	7.83E-10	8.76E-10		8.93E-01
ENSBTAG00000010890	3.84E-10	4.29E-10	PRMT5	8.94E-01
ENSBTAG00000032801	1.56E-09	1.75E-09	OR11H7	8.92E-01
ENSBTAG00000013688	3.76E-10	4.18E-10	PGF	8.99E-01
ENSBTAG00000001342	5.62E-10	6.23E-10	RSL24D1	9.01E-01
ENSBTAG00000011540	1.02E-10	1.13E-10	SPG21	9.04E-01
ENSBTAG00000019120	1.01E-10	1.12E-10	WDHD1	9.02E-01
ENSBTAG00000022801	1.06E-10	1.17E-10		9.08E-01
ENSBTAG00000015930	5.94E-10	6.56E-10	DNAL1	9.06E-01
ENSBTAG00000000362	4.13E-10	4.56E-10	SPG11	9.07E-01
ENSBTAG00000039785	6.82E-10	7.51E-10	OR11H6	9.08E-01
ENSBTAG00000006267	7.74E-10	8.52E-10		9.08E-01
ENSBTAG00000048302	5.23E-10	5.76E-10		9.07E-01
ENSBTAG00000007104	1.70E-10	1.87E-10	JPH4	9.08E-01

ENSBTAG00000038485	6.97E-10	7.68E-10		9.08E-01
ENSBTAG00000015385	2.40E-10	2.64E-10	CTDSPL2	9.09E-01
ENSBTAG00000013836	5.60E-10	6.14E-10		9.12E-01
ENSBTAG00000038333	2.46E-10	2.69E-10	RBM23	9.14E-01
ENSBTAG00000015983	1.28E-09	1.40E-09		9.16E-01
ENSBTAG00000047101	2.74E-10	2.96E-10	CCDC177	9.25E-01
ENSBTAG00000010236	4.05E-10	4.37E-10	CIDEB	9.27E-01
ENSBTAG00000039789	6.05E-10	6.53E-10		9.26E-01
ENSBTAG00000008287	6.39E-11	6.91E-11	YLPM1	9.25E-01
ENSBTAG00000046906	6.26E-10	6.75E-10		9.27E-01
ENSBTAG00000006688	1.85E-10	1.99E-10	RPS6KL1	9.27E-01
ENSBTAG00000010235	3.87E-10	4.18E-10	NOP9	9.27E-01
ENSBTAG00000010052	2.62E-10	2.82E-10	EXD2	9.27E-01
ENSBTAG00000046814	1.60E-10	1.73E-10		9.24E-01
ENSBTAG00000019355	6.37E-10	6.86E-10	KCNK10	9.29E-01
ENSBTAG00000025405	1.02E-10	1.10E-10	BATF	9.29E-01
ENSBTAG00000017525	4.01E-10	4.29E-10	ATG12	9.34E-01
ENSBTAG00000020329	3.85E-10	4.11E-10	FAM161B	9.36E-01
ENSBTAG00000004218	4.26E-10	4.54E-10	SYNDIG1L	9.38E-01
ENSBTAG00000018255	3.58E-10	3.82E-10	ACTN1	9.36E-01
ENSBTAG00000020379	7.49E-11	7.98E-11	AREL1	9.39E-01
ENSBTAG00000030453	2.20E-10	2.34E-10	ZC3H14	9.41E-01
ENSBTAG00000013992	2.48E-10	2.63E-10	ACYP1	9.43E-01
ENSBTAG00000000372	3.54E-10	3.74E-10	TIPIN	9.46E-01
ENSBTAG00000025308	4.53E-10	4.79E-10	STON2	9.45E-01
ENSBTAG00000004558	1.35E-10	1.42E-10	C15orf48	9.50E-01
ENSBTAG00000007053	1.92E-10	2.01E-10	ZFHX2	9.53E-01
ENSBTAG00000022915	5.41E-10	5.68E-10	OR4Q2	9.53E-01
ENSBTAG00000011934	2.97E-10	3.12E-10	PCK2	9.52E-01
ENSBTAG00000011831	1.76E-10	1.85E-10	SPPL2A	9.51E-01
ENSBTAG00000003469	6.83E-10	7.14E-10	CHURC1	9.56E-01
ENSBTAG00000006392	4.17E-10	4.36E-10	TTC7B	9.57E-01
ENSBTAG000000008378	3.45E-10	3.58E-10	FEM1B	9.65E-01
ENSBTAG00000039416	2.03E-09	2.11E-09		9.62E-01
ENSBTAG00000017713	3.95E-10	4.10E-10	KTN1	9.64E-01
ENSBTAG000000005217	3.04E-09	3.15E-09		9.66E-01
ENSBTAG000000006703	4.28E-10	4.42E-10	PTGDR	9.69E-01
ENSBTAG00000018277	5.07E-10	5.22E-10	TBPL2	9.71E-01
ENSBTAG00000025068	9.34E-10	9.62E-10		9.71E-01
ENSBTAG000000033983	3.78E-10	3.89E-10	MAP2K1	9.71E-01
ENSBTAG00000020202	1.58E-10	1.62E-10	CRHBP	9.72E-01
ENSBTAG00000004171	2.18E-10	2.24E-10	GPHN	9.73E-01
ENSBTAG00000047981	1.58E-09	1.62E-09		9.74E-01
ENSBTAG000000002163	1.06E-10	1.08E-10	PTGER2	9.81E-01
ENSBTAG00000007374	7.88E-10	8.06E-10	LHFPL2	9.77E-01
ENSBTAG00000035174	2.44E-10	2.49E-10	THOC3	9.80E-01
ENSBTAG00000011037	7.12E-10	7.27E-10	RBPMS2	9.79E-01
ENSBTAG000000007800	4.77E-10	4.86E-10	TBC1D21	9.81E-01
ENSBTAG00000019924	3.17E-10	3.24E-10	DDHD1	9.79E-01
ENSBTAG00000008771	1.22E-10	1.23E-10	MYEF2	9.91E-01
ENSBTAG00000008133	7.31E-10	7.42E-10		9.86E-01
ENSBTAG00000016283	2.61E-10	2.65E-10	TMEM63C	9.86E-01
ENSBTAG00000025663	2.65E-10	2.67E-10	RAC1	9.94E-01
ENSBTAG00000021988	1.18E-10	1.19E-10	SOCS4	9.89E-01
ENSBTAG00000020937	2.36E-10	2.38E-10	SNAPC1	9.90E-01
ENSBTAG00000040056	2.85E-10	2.87E-10	LTB4R2	9.91E-01
ENSBTAG00000027162	1.71E-10	1.72E-10	TMCO5A	9.94E-01
ENSBTAG00000048109	4.35E-10	4.38E-10		9.93E-01
ENSBTAG00000015202	1.70E-10	1.71E-10	ATP5S	9.93E-01
ENSBTAG00000018919	4.39E-10	4.42E-10	OR5AU1	9.93E-01
ENSBTAG00000046157	8.80E-10	8.85E-10		9.94E-01
ENSBTAG00000040551	1.14E-10	1.15E-10	ZBTB1	9.92E-01
ENSBTAG00000017396	5.95E-10	5.99E-10		9.93E-01
ENSBTAG00000002710	1.67E-10	1.69E-10	TSSK4	9.90E-01
ENSBTAG00000000218	3.55E-10	3.56E-10	MAP2K5	9.97E-01
ENSBTAG00000009643	2.39E-10	2.39E-10	ZBTB25	9.99E-01
ENSBTAG000000008083	3.87E-10	3.88E-10	SEL1L	9.98E-01
ENSBTAG00000007385	6.27E-10	6.29E-10	EMC7	9.97E-01
ENSBTAG00000014699	2.68E-10	2.68E-10	FAM81A	9.99E-01
ENSBTAG00000005344	1.32E-10	1.32E-10	GNPNAT1	1.00E+00

ENSBTAG00000017442	1.40E-10	1.39E-10	CDO1	1.01E+00
ENSBTAG00000047746	1.21E-09	1.20E-09		1.01E+00
ENSBTAG00000012408	2.70E-10	2.67E-10		1.01E+00
ENSBTAG00000005426	8.91E-10	8.81E-10	PSMC1	1.01E+00
ENSBTAG00000012005	4.20E-10	4.15E-10	IFT43	1.01E+00
ENSBTAG00000000737	6.94E-11	6.86E-11	DMXL2	1.01E+00
ENSBTAG00000019642	3.51E-10	3.45E-10	ANKDD1A	1.02E+00
ENSBTAG00000025778	3.25E-10	3.18E-10	EMC9	1.02E+00
ENSBTAG00000046970	7.95E-10	7.78E-10		1.02E+00
ENSBTAG00000045618	7.93E-10	7.76E-10		1.02E+00
ENSBTAG00000013138	5.58E-10	5.44E-10	TDP1	1.03E+00
ENSBTAG00000044049	3.84E-10	3.75E-10	ABHD12B	1.02E+00
ENSBTAG00000014493	2.28E-10	2.21E-10	TRIP4	1.03E+00
ENSBTAG00000030881	2.59E-10	2.51E-10	TMEM260	1.03E+00
ENSBTAG00000003474	6.52E-10	6.33E-10	RAB15	1.03E+00
ENSBTAG00000012681	5.13E-10	4.97E-10	CORO2B	1.03E+00
ENSBTAG00000016612	1.65E-10	1.60E-10	NEK9	1.03E+00
ENSBTAG00000030456	2.90E-10	2.81E-10	SPATA7	1.03E+00
ENSBTAG00000012725	1.49E-10	1.44E-10	C14orf93	1.03E+00
ENSBTAG0000003090	2.74E-10	2.64E-10	LRRC9	1.04E+00
ENSBTAG00000012804	3.70E-10	3.55E-10	REEP5	1.04E+00
ENSBTAG00000003762	5.23E-10	5.03E-10	GNB5	1.04E+00
ENSBTAG00000012106	6.17E-10	5.91E-10	ADCK1	1.04E+00
ENSBTAG00000014092	5.00E-10	4.77E-10	CELF6	1.05E+00
ENSBTAG00000009641	2.00E-10	1.91E-10	MTHFD1	1.05E+00
ENSBTAG00000017507	9.60E-10	9.12E-10	SV2C	1.05E+00
ENSBTAG00000005952	2.32E-10	2.19E-10	CEBPE	1.06E+00
ENSBTAG00000008807	2.19E-10	2.07E-10	FBXL22	1.06E+00
ENSBTAG00000048074	6.21E-10	5.86E-10		1.06E+00
ENSBTAG00000046897	5.87E-10	5.54E-10		1.06E+00
ENSBTAG00000001468	1.61E-10	1.52E-10	SAMD4A	1.06E+00
ENSBTAG00000038227	7.02E-10	6.62E-10		1.06E+00
ENSBTAG00000002712	6.59E-10	6.22E-10		1.06E+00
ENSBTAG00000014181	2.45E-10	2.30E-10	RNF111	1.06E+00
ENSBTAG00000015155	3.02E-10	2.83E-10	HACD3	1.07E+00
ENSBTAG00000031433	6.98E-10	6.56E-10	TEX9	1.06E+00
ENSBTAG00000006514	1.45E-09	1.36E-09	TRAV3	1.07E+00
ENSBTAG00000014099	2.33E-10	2.18E-10	YTHDC2	1.07E+00
ENSBTAG00000003754	3.86E-10	3.62E-10		1.07E+00
ENSBTAG00000012900	1.64E-10	1.53E-10	TMEM229B	1.07E+00
ENSBTAG00000037932	3.77E-10	3.52E-10		1.07E+00
ENSBTAG00000015158	1.59E-10	1.48E-10	VWA9	1.07E+00
ENSBTAG00000035030	3.67E-10	3.41E-10	TMED7	1.08E+00
ENSBTAG00000012803	1.52E-10	1.40E-10		1.09E+00
ENSBTAG00000031981	2.30E-10	2.13E-10	LRRC57	1.08E+00
ENSBTAG00000048112	8.03E-10	7.42E-10	GPX2	1.08E+00
ENSBTAG00000005697	4.18E-10	3.84E-10	MDGA2	1.09E+00
ENSBTAG00000035662	2.28E-10	2.10E-10		1.09E+00
ENSBTAG00000037625	1.17E-09	1.07E-09		1.09E+00
ENSBTAG00000017095	9.48E-11	8.68E-11	DENND4A	1.09E+00
ENSBTAG00000047260	3.62E-10	3.31E-10		1.09E+00
ENSBTAG00000020331	4.20E-10	3.83E-10	COQ6	1.10E+00
ENSBTAG00000017798	6.06E-10	5.52E-10	ERH	1.10E+00
ENSBTAG00000019496	2.64E-10	2.40E-10	CDKN3	1.10E+00
ENSBTAG00000002331	1.73E-10	1.56E-10	DLGAP5	1.11E+00
ENSBTAG00000025324	5.28E-10	4.77E-10		1.11E+00
ENSBTAG00000002110	2.33E-10	2.10E-10	DMGDH	1.11E+00
ENSBTAG00000015146	1.12E-10	1.01E-10	TOX4	1.11E+00
ENSBTAG00000047001	1.01E-09	9.07E-10		1.11E+00
ENSBTAG00000038544	1.06E-09	9.47E-10		1.11E+00
ENSBTAG00000047974	1.43E-09	1.27E-09		1.12E+00
ENSBTAG00000025403	2.25E-10	2.02E-10	TTLL5	1.11E+00
ENSBTAG00000009788	3.96E-10	3.53E-10		1.12E+00
ENSBTAG00000005954	3.63E-10	3.24E-10	TERB2	1.12E+00
ENSBTAG00000025642	4.64E-10	4.12E-10	RYR3	1.13E+00
ENSBTAG00000018852	2.72E-10	2.41E-10	APC	1.13E+00
ENSBTAG00000007114	6.80E-10	6.01E-10	POC5	1.13E+00
ENSBTAG00000040384	2.28E-10	2.01E-10	POLR2M	1.13E+00
ENSBTAG00000002709	1.65E-10	1.45E-10		1.13E+00
ENSBTAG00000021395	3.08E-10	2.72E-10	PSME1	1.13E+00

ENSBTAG00000007415	2.02E-10	1.78E-10	SLC7A8	1.14E+00
ENSBTAG00000017665	6.28E-10	5.52E-10		1.14E+00
ENSBTAG00000039402	1.06E-09	9.26E-10		1.15E+00
ENSBTAG00000015806	2.54E-10	2.21E-10	OAZ2	1.15E+00
ENSBTAG00000020477	1.43E-10	1.25E-10	AHSA1	1.14E+00
ENSBTAG00000005897	5.68E-10	4.94E-10		1.15E+00
ENSBTAG00000006413	5.01E-10	4.33E-10	KATNBL1	1.16E+00
ENSBTAG00000021872	2.22E-10	1.92E-10	RASGRP1	1.16E+00
ENSBTAG00000025853	4.60E-10	3.96E-10	HOMER1	1.16E+00
ENSBTAG00000005141	5.21E-10	4.49E-10	PELL2	1.16E+00
ENSBTAG00000038098	2.52E-09	2.17E-09	TRAV29DV5	1.16E+00
ENSBTAG00000007518	3.24E-10	2.77E-10	TRIM69	1.17E+00
ENSBTAG00000001948	2.25E-10	1.93E-10	VTI1B	1.17E+00
ENSBTAG00000045604	2.85E-10	2.44E-10	TTC9	1.17E+00
ENSBTAG00000013031	2.72E-10	2.32E-10	TMEM62	1.17E+00
ENSBTAG00000008735	1.14E-10	9.75E-11	VASH1	1.17E+00
ENSBTAG00000031165	1.89E-10	1.61E-10	TRPM7	1.17E+00
ENSBTAG00000020421	1.16E-10	9.81E-11	SUPT16H	1.18E+00
ENSBTAG00000005663	2.66E-10	2.26E-10	HAUS2	1.18E+00
ENSBTAG00000011767	1.11E-10	9.43E-11	MPP5	1.18E+00
ENSBTAG00000037511	2.62E-10	2.20E-10		1.19E+00
ENSBTAG00000027764	1.40E-10	1.18E-10		1.19E+00
ENSBTAG00000007097	1.24E-10	1.04E-10	THTPA	1.19E+00
ENSBTAG00000016285	3.21E-10	2.69E-10	NGB	1.19E+00
ENSBTAG00000005816	2.50E-10	2.10E-10	IRF9	1.19E+00
ENSBTAG00000032792	5.24E-10	4.39E-10	OR4Q3	1.19E+00
ENSBTAG00000025644	3.12E-10	2.62E-10	CALM1	1.19E+00
ENSBTAG00000023186	6.28E-10	5.27E-10		1.19E+00
ENSBTAG00000008664	2.45E-10	2.06E-10	EIF2B2	1.19E+00
ENSBTAG00000047311	8.00E-10	6.71E-10		1.19E+00
ENSBTAG00000039546	1.07E-09	8.95E-10		1.19E+00
ENSBTAG00000034823	4.09E-10	3.42E-10	AGGF1	1.20E+00
ENSBTAG00000039807	1.25E-09	1.04E-09		1.20E+00
ENSBTAG00000019279	1.93E-10	1.60E-10	MLH3	1.20E+00
ENSBTAG00000005427	8.88E-10	7.39E-10	NRDE2	1.20E+00
ENSBTAG00000019077	1.66E-10	1.37E-10	DAD1	1.21E+00
ENSBTAG00000024878	6.54E-10	5.39E-10		1.21E+00
ENSBTAG00000005815	3.13E-10	2.57E-10		1.22E+00
ENSBTAG00000046684	5.95E-10	4.85E-10		1.23E+00
ENSBTAG00000002326	1.71E-10	1.39E-10	LGALS3	1.23E+00
ENSBTAG00000001539	1.76E-10	1.43E-10	SAV1	1.23E+00
ENSBTAG00000007840	2.58E-10	2.10E-10	HMGCR	1.23E+00
ENSBTAG00000001183	7.83E-10	6.31E-10	KLHL33	1.24E+00
ENSBTAG00000014633	1.84E-10	1.48E-10	ABCD4	1.24E+00
ENSBTAG00000044207	2.25E-10	1.81E-10	RAB2B	1.24E+00
ENSBTAG00000013616	1.49E-10	1.20E-10	AP4E1	1.24E+00
ENSBTAG00000008380	4.89E-10	3.94E-10	ITGA11	1.24E+00
ENSBTAG00000020422	1.26E-10	1.01E-10	CHD8	1.25E+00
ENSBTAG00000011146	3.12E-10	2.51E-10	RAB8B	1.24E+00
ENSBTAG00000032518	1.78E-10	1.42E-10	SPRED1	1.25E+00
ENSBTAG00000020199	4.61E-10	3.69E-10	F2R	1.25E+00
ENSBTAG00000012998	1.57E-10	1.26E-10	NAA30	1.24E+00
ENSBTAG00000010298	1.83E-10	1.46E-10	GTF2A2	1.25E+00
ENSBTAG00000047253	9.49E-10	7.58E-10		1.25E+00
ENSBTAG00000008805	3.44E-10	2.75E-10	USP3	1.25E+00
ENSBTAG00000005268	6.03E-10	4.80E-10	PLA2G4D	1.26E+00
ENSBTAG00000002842	2.29E-10	1.83E-10	HEATR4	1.25E+00
ENSBTAG00000006613	2.32E-10	1.83E-10	METTL17	1.27E+00
ENSBTAG00000005814	2.01E-10	1.58E-10	PSME2	1.27E+00
ENSBTAG00000001423	2.24E-10	1.76E-10		1.27E+00
ENSBTAG00000003737	1.24E-10	9.74E-11	SLC51B	1.27E+00
ENSBTAG00000008411	6.01E-10	4.73E-10	PLEKHO2	1.27E+00
ENSBTAG00000003763	4.10E-10	3.22E-10	MYO5C	1.27E+00
ENSBTAG00000038060	1.33E-09	1.05E-09		1.27E+00
ENSBTAG00000040504	1.19E-09	9.35E-10	TRAV16	1.28E+00
ENSBTAG00000033344	2.05E-10	1.60E-10		1.28E+00
ENSBTAG00000015208	5.02E-10	3.92E-10	CARMIL3	1.28E+00
ENSBTAG00000003920	3.78E-10	2.94E-10	TGM1	1.29E+00
ENSBTAG00000032055	3.62E-10	2.81E-10	VPS39	1.29E+00
ENSBTAG00000000897	6.64E-10	5.15E-10	IQGAP2	1.29E+00

ENSBTAG00000005700	2.85E-10	2.20E-10	MAP3K9	1.30E+00
ENSBTAG00000017466	3.35E-10	2.58E-10	HCN4	1.30E+00
ENSBTAG00000012004	6.10E-11	4.69E-11	TGFB3	1.30E+00
ENSBTAG00000013255	1.10E-09	8.46E-10		1.29E+00
ENSBTAG00000014821	1.07E-10	8.20E-11	SLC7A7	1.30E+00
ENSBTAG00000001898	3.96E-10	3.04E-10	CCDC112	1.30E+00
ENSBTAG00000014096	1.67E-10	1.28E-10	PCNX4	1.30E+00
ENSBTAG00000019474	2.32E-10	1.78E-10	HERC1	1.30E+00
ENSBTAG000000045679	5.70E-10	4.35E-10		1.31E+00
ENSBTAG000000047348	1.59E-09	1.21E-09		1.31E+00
ENSBTAG00000014501	1.55E-10	1.18E-10	FERMT2	1.31E+00
ENSBTAG00000017811	3.58E-10	2.72E-10	SLC39A9	1.32E+00
ENSBTAG000000000432	9.46E-10	7.18E-10	TRAC	1.32E+00
ENSBTAG000000009994	2.38E-10	1.80E-10	EML5	1.32E+00
ENSBTAG000000005751	1.60E-10	1.21E-10	CDAN1	1.32E+00
ENSBTAG00000007099	1.47E-10	1.11E-10	AP1G2	1.32E+00
ENSBTAG000000009272	1.31E-10	9.89E-11	ELMSAN1	1.32E+00
ENSBTAG000000005479	2.84E-10	2.12E-10	LIPC	1.34E+00
ENSBTAG00000025814	9.67E-10	7.26E-10	TMEM202	1.33E+00
ENSBTAG00000001179	9.40E-10	7.03E-10	TEP1	1.34E+00
ENSBTAG00000016311	1.28E-10	9.58E-11	EIF2S1	1.34E+00
ENSBTAG00000013638	3.99E-10	2.98E-10	IQCH	1.34E+00
ENSBTAG00000021945	4.28E-10	3.19E-10	NID2	1.34E+00
ENSBTAG000000006341	2.14E-10	1.58E-10	SLC35F4	1.35E+00
ENSBTAG000000020205	7.74E-10	5.73E-10	PDE8B	1.35E+00
ENSBTAG00000018422	3.37E-10	2.49E-10	RIPK3	1.35E+00
ENSBTAG00000003043	5.26E-10	3.88E-10	GNG2	1.35E+00
ENSBTAG00000013401	3.55E-10	2.61E-10	ARHGEF40	1.36E+00
ENSBTAG000000004498	2.64E-10	1.94E-10	ESR2	1.36E+00
ENSBTAG000000002718	3.37E-10	2.47E-10	TINF2	1.36E+00
ENSBTAG00000011683	1.55E-10	1.14E-10	NUMB	1.36E+00
ENSBTAG000000011225	1.19E-10	8.67E-11	TMX1	1.37E+00
ENSBTAG00000016644	4.25E-10	3.11E-10	LVRN	1.37E+00
ENSBTAG00000021019	4.49E-10	3.28E-10	SLC30A4	1.37E+00
ENSBTAG00000016309	9.89E-11	7.21E-11	ATP6V1D	1.37E+00
ENSBTAG00000018596	7.43E-10	5.41E-10	PTPN21	1.37E+00
ENSBTAG00000013488	1.44E-10	1.05E-10	PPP1R14D	1.37E+00
ENSBTAG000000004694	4.85E-10	3.52E-10	RPGRIP1	1.38E+00
ENSBTAG00000010906	3.97E-10	2.88E-10	RPS6KA5	1.38E+00
ENSBTAG000000039038	1.55E-09	1.12E-09		1.39E+00
ENSBTAG00000014632	2.22E-10	1.61E-10	VSX2	1.38E+00
ENSBTAG00000017994	2.80E-10	2.02E-10	MAX	1.39E+00
ENSBTAG000000046607	8.88E-11	6.39E-11	JMJD7	1.39E+00
ENSBTAG000000039415	1.56E-10	1.12E-10	CHMP4A	1.39E+00
ENSBTAG00000024752	6.12E-10	4.39E-10	OR10G3	1.39E+00
ENSBTAG000000046061	1.21E-09	8.67E-10		1.40E+00
ENSBTAG000000004028	6.73E-10	4.83E-10	POLK	1.39E+00
ENSBTAG000000046682	1.00E-09	7.17E-10		1.40E+00
ENSBTAG00000014027	3.70E-10	2.66E-10	TRIM36	1.39E+00
ENSBTAG00000020729	1.79E-10	1.28E-10	DHRS7	1.40E+00
ENSBTAG000000009374	7.72E-10	5.47E-10	PARP2	1.41E+00
ENSBTAG00000015904	2.41E-10	1.70E-10	RORA	1.42E+00
ENSBTAG000000005753	1.80E-10	1.27E-10	PARP6	1.41E+00
ENSBTAG00000016800	1.70E-10	1.20E-10	SEMA6D	1.41E+00
ENSBTAG000000014312	1.12E-10	7.79E-11	ATL1	1.43E+00
ENSBTAG000000007371	4.70E-10	3.29E-10	SCAMP1	1.43E+00
ENSBTAG00000018127	6.58E-11	4.61E-11		1.43E+00
ENSBTAG000000046962	1.33E-09	9.25E-10		1.44E+00
ENSBTAG000000000271	3.78E-10	2.64E-10	MNS1	1.43E+00
ENSBTAG00000010666	2.56E-10	1.79E-10	KHNYN	1.43E+00
ENSBTAG000000021538	4.14E-10	2.89E-10	MYO1E	1.43E+00
ENSBTAG000000048236	1.48E-09	1.03E-09		1.44E+00
ENSBTAG000000047893	8.31E-10	5.80E-10		1.43E+00
ENSBTAG000000044151	5.92E-10	4.12E-10	ANKDD1B	1.44E+00
ENSBTAG00000013136	3.28E-10	2.28E-10	EFCAB11	1.44E+00
ENSBTAG000000035858	4.87E-10	3.39E-10	MCC	1.44E+00
ENSBTAG000000004780	3.20E-10	2.23E-10	CDKL1	1.44E+00
ENSBTAG000000045886	2.26E-10	1.57E-10	STARD4	1.44E+00
ENSBTAG000000005661	2.79E-10	1.93E-10	SNAP23	1.44E+00
ENSBTAG000000047398	8.08E-10	5.53E-10		1.46E+00

ENSBTAG00000000359	2.08E-10	1.42E-10	EIF3J	1.47E+00
ENSBTAG00000018299	1.26E-10	8.55E-11	PIGH	1.47E+00
ENSBTAG000000005269	2.27E-10	1.53E-10	CCNB2	1.48E+00
ENSBTAG00000025522	6.30E-10	4.25E-10	UNC13C	1.48E+00
ENSBTAG00000015148	1.66E-10	1.11E-10	METTL3	1.49E+00
ENSBTAG00000002743	5.64E-10	3.78E-10	OSGEP	1.49E+00
ENSBTAG00000011379	5.00E-10	3.35E-10		1.49E+00
ENSBTAG00000047984	1.37E-09	9.17E-10		1.50E+00
ENSBTAG00000005547	2.25E-10	1.51E-10	VCPKMT	1.49E+00
ENSBTAG00000005848	1.24E-10	8.30E-11	PRTG	1.49E+00
ENSBTAG00000010641	2.40E-10	1.60E-10	APH1B	1.50E+00
ENSBTAG00000016236	1.55E-10	1.03E-10	SLC12A6	1.50E+00
ENSBTAG00000000936	5.79E-10	3.85E-10	SLC39A2	1.50E+00
ENSBTAG000000021986	1.57E-10	1.04E-10	MAPK1IP1L	1.51E+00
ENSBTAG00000014820	1.12E-10	7.42E-11	OXA1L	1.51E+00
ENSBTAG00000020334	3.19E-10	2.11E-10	ENTPD5	1.51E+00
ENSBTAG00000015808	4.35E-10	2.85E-10	ZNF609	1.53E+00
ENSBTAG00000019734	1.92E-10	1.25E-10	CD276	1.53E+00
ENSBTAG00000011494	2.53E-10	1.64E-10	PYGL	1.54E+00
ENSBTAG00000046956	1.21E-10	7.83E-11	STYX	1.55E+00
ENSBTAG00000006786	5.16E-10	3.35E-10	MED6	1.54E+00
ENSBTAG00000014234	1.73E-10	1.12E-10	LINC00238	1.54E+00
ENSBTAG00000008576	1.65E-10	1.07E-10	PLEKHD1	1.54E+00
ENSBTAG00000003857	1.81E-10	1.17E-10	SUSD6	1.54E+00
ENSBTAG000000004430	2.01E-10	1.29E-10	SGPP1	1.55E+00
ENSBTAG00000025755	2.49E-10	1.60E-10	RNF212B	1.55E+00
ENSBTAG00000030792	3.03E-10	1.95E-10		1.55E+00
ENSBTAG00000002704	9.64E-11	6.19E-11	POMT2	1.56E+00
ENSBTAG00000018467	2.61E-10	1.68E-10	BBOF1	1.56E+00
ENSBTAG000000002179	4.56E-10	2.92E-10	C15orf41	1.56E+00
ENSBTAG00000012545	3.43E-10	2.18E-10	CASC4	1.58E+00
ENSBTAG00000011936	4.90E-10	3.11E-10	ATP8B4	1.58E+00
ENSBTAG000000008341	4.22E-10	2.67E-10	ARSB	1.58E+00
ENSBTAG00000025458	3.06E-10	1.93E-10	DPF3	1.59E+00
ENSBTAG00000031697	1.58E-10	9.98E-11	KLHDC1	1.59E+00
ENSBTAG00000009443	3.20E-11	2.01E-11	GCNT3	1.59E+00
ENSBTAG000000021394	1.83E-10	1.15E-10	FITM1	1.59E+00
ENSBTAG00000006792	3.63E-10	2.29E-10	EHD4	1.59E+00
ENSBTAG00000046470	1.90E-10	1.20E-10	ONECUT1	1.59E+00
ENSBTAG000000047639	2.94E-10	1.85E-10		1.59E+00
ENSBTAG00000020212	6.58E-10	4.14E-10	WDR41	1.59E+00
ENSBTAG00000038531	3.83E-10	2.41E-10		1.59E+00
ENSBTAG00000009783	3.24E-10	2.04E-10		1.59E+00
ENSBTAG00000047156	2.60E-10	1.63E-10		1.59E+00
ENSBTAG00000001405	1.23E-10	7.73E-11	GLCE	1.59E+00
ENSBTAG00000036202	2.83E-10	1.78E-10		1.59E+00
ENSBTAG00000002781	3.61E-10	2.27E-10	GCNT4	1.59E+00
ENSBTAG00000021008	5.58E-10	3.50E-10	ZNF219	1.59E+00
ENSBTAG00000045628	1.93E-10	1.21E-10	C15orf61	1.59E+00
ENSBTAG00000046432	4.81E-10	3.03E-10		1.59E+00
ENSBTAG00000040459	5.19E-10	3.26E-10		1.59E+00
ENSBTAG00000009701	1.12E-10	7.04E-11	IL25	1.59E+00
ENSBTAG00000001870	5.53E-10	3.47E-10	CPNE6	1.59E+00
ENSBTAG00000046802	8.87E-10	5.57E-10		1.59E+00
ENSBTAG00000037959	1.77E-10	1.11E-10		1.59E+00
ENSBTAG00000045883	8.22E-10	5.16E-10		1.59E+00
ENSBTAG00000047909	1.18E-09	7.37E-10		1.60E+00
ENSBTAG00000046478	9.98E-10	6.26E-10		1.59E+00
ENSBTAG00000025666	9.66E-10	6.06E-10	RPS29	1.59E+00
ENSBTAG00000047096	1.07E-09	6.70E-10		1.60E+00
ENSBTAG00000046643	1.42E-09	8.90E-10		1.60E+00
ENSBTAG00000014011	2.45E-10	1.53E-10	TMOD2	1.60E+00
ENSBTAG00000010119	2.87E-10	1.79E-10	ALDH1A2	1.60E+00
ENSBTAG00000005481	1.39E-10	8.63E-11	ADAM10	1.61E+00
ENSBTAG00000022583	4.44E-10	2.74E-10		1.62E+00
ENSBTAG00000046391	4.58E-10	2.81E-10	GRAMD2	1.63E+00
ENSBTAG00000025634	3.68E-10	2.25E-10		1.63E+00
ENSBTAG00000011338	1.76E-10	1.08E-10		1.63E+00
ENSBTAG00000015138	1.25E-10	7.59E-11	MGA	1.65E+00
ENSBTAG00000003276	4.59E-10	2.77E-10	PRKCH	1.66E+00



ENSBTAG00000021876	4.34E-10	2.62E-10	WDR72	1.66E+00
ENSBTAG00000021225	1.16E-10	7.01E-11	DCAF5	1.66E+00
ENSBTAG00000003084	2.52E-10	1.50E-10	GPATCH2L	1.68E+00
ENSBTAG00000003667	5.37E-10	3.19E-10	TLN2	1.68E+00
ENSBTAG00000015805	3.89E-10	2.29E-10	SIPA1L1	1.70E+00
ENSBTAG000000038920	4.74E-10	2.80E-10	VPS13C	1.69E+00
ENSBTAG00000016255	1.86E-10	1.10E-10	PLEK2	1.69E+00
ENSBTAG00000008713	3.38E-10	1.99E-10	DCAF4	1.70E+00
ENSBTAG00000005373	2.38E-10	1.39E-10	TPM1	1.71E+00
ENSBTAG000000030599	1.98E-10	1.16E-10	SMOC1	1.71E+00
ENSBTAG00000018947	4.07E-10	2.37E-10	SYT16	1.72E+00
ENSBTAG00000014741	2.63E-10	1.53E-10	OTX2	1.72E+00
ENSBTAG000000039120	6.98E-10	4.05E-10		1.72E+00
ENSBTAG000000011022	1.27E-10	7.36E-11	ARPP19	1.73E+00
ENSBTAG000000020469	2.50E-10	1.44E-10	TMED8	1.73E+00
ENSBTAG00000001619	5.42E-10	3.14E-10	SERINC5	1.73E+00
ENSBTAG000000004854	2.19E-10	1.26E-10	SLC24A5	1.74E+00
ENSBTAG000000018297	2.79E-10	1.61E-10	PLEKHH1	1.73E+00
ENSBTAG000000031388	1.01E-10	5.83E-11	DYX1C1	1.73E+00
ENSBTAG000000016823	3.33E-10	1.92E-10	CSNK1G1	1.73E+00
ENSBTAG000000013043	2.29E-10	1.31E-10	AP5M1	1.75E+00
ENSBTAG000000014792	2.25E-10	1.29E-10	MAP4K5	1.74E+00
ENSBTAG000000010361	9.93E-11	5.68E-11	DLL4	1.75E+00
ENSBTAG000000016378	3.18E-10	1.82E-10	LRP10	1.75E+00
ENSBTAG000000007638	2.73E-10	1.56E-10	PIF1	1.75E+00
ENSBTAG000000046500	1.30E-09	7.37E-10		1.76E+00
ENSBTAG000000037452	1.05E-09	5.95E-10		1.76E+00
ENSBTAG000000009451	3.07E-10	1.75E-10	JDP2	1.76E+00
ENSBTAG000000027080	3.87E-10	2.19E-10	SLC8A3	1.77E+00
ENSBTAG000000011439	4.13E-10	2.32E-10	EPB42	1.78E+00
ENSBTAG000000014750	3.52E-10	1.98E-10	EPB41L4A	1.78E+00
ENSBTAG000000009615	4.60E-10	2.58E-10	ANXA2	1.78E+00
ENSBTAG000000004926	2.04E-10	1.14E-10	LRR1	1.79E+00
ENSBTAG000000026909	3.44E-10	1.92E-10		1.79E+00
ENSBTAG000000046488	8.00E-10	4.46E-10	OR4N5	1.79E+00
ENSBTAG000000012981	8.13E-10	4.52E-10		1.80E+00
ENSBTAG000000046993	1.42E-09	7.90E-10		1.80E+00
ENSBTAG000000045953	1.50E-09	8.32E-10		1.80E+00
ENSBTAG000000015142	1.85E-10	1.03E-10	MAPKBP1	1.80E+00
ENSBTAG000000024958	1.27E-10	7.06E-11	FAM214A	1.79E+00
ENSBTAG000000002705	3.53E-10	1.95E-10	REC8	1.81E+00
ENSBTAG000000018796	3.20E-10	1.77E-10	RABGGTA	1.80E+00
ENSBTAG000000011820	6.46E-10	3.57E-10	DAPK2	1.81E+00
ENSBTAG000000032613	2.64E-10	1.46E-10	SCG5	1.81E+00
ENSBTAG000000004934	1.85E-10	1.02E-10	NEMF	1.81E+00
ENSBTAG000000002194	5.35E-10	2.94E-10	MYZAP	1.82E+00
ENSBTAG000000011041	4.35E-11	2.38E-11	ZFYVE1	1.82E+00
ENSBTAG000000021924	3.74E-10	2.05E-10	PLA2G4E	1.83E+00
ENSBTAG00000000898	8.46E-10	4.63E-10	F2RL2	1.83E+00
ENSBTAG000000046370	2.25E-09	1.23E-09		1.83E+00
ENSBTAG000000010795	2.36E-10	1.29E-10	ATG14	1.83E+00
ENSBTAG000000047000	1.33E-09	7.21E-10		1.84E+00
ENSBTAG000000011998	2.64E-10	1.44E-10		1.83E+00
ENSBTAG000000019692	1.18E-10	6.37E-11	BCL2L2	1.85E+00
ENSBTAG000000020935	2.07E-10	1.12E-10	HIF1A	1.85E+00
ENSBTAG000000035530	8.14E-10	4.38E-10		1.86E+00
ENSBTAG000000046546	1.25E-09	6.71E-10		1.87E+00
ENSBTAG000000013032	3.70E-10	1.98E-10	CCNDBP1	1.87E+00
ENSBTAG000000000565	3.28E-10	1.75E-10	RFX7	1.88E+00
ENSBTAG000000025450	4.17E-10	2.22E-10	SYNE2	1.88E+00
ENSBTAG000000021414	5.54E-10	2.95E-10		1.88E+00
ENSBTAG000000001551	1.96E-10	1.04E-10	PLEKHG3	1.88E+00
ENSBTAG000000011916	3.43E-10	1.81E-10	USP8	1.90E+00
ENSBTAG000000014189	4.31E-10	2.27E-10	RGS6	1.90E+00
ENSBTAG000000001578	5.61E-10	2.95E-10	ADPGK	1.90E+00
ENSBTAG000000021870	1.67E-10	8.81E-11	FAM98B	1.90E+00
ENSBTAG000000046390	1.70E-09	8.96E-10		1.90E+00
ENSBTAG000000001601	2.23E-10	1.17E-10	PKM	1.91E+00
ENSBTAG000000030432	3.23E-10	1.69E-10	TTC8	1.91E+00
ENSBTAG000000005328	2.35E-10	1.23E-10	ICE2	1.91E+00

ENSBTAG00000019784	3.10E-10	1.62E-10	PPP2R5E	1.91E+00
ENSBTAG00000038672	1.07E-09	5.53E-10		1.94E+00
ENSBTAG00000009998	5.04E-10	2.60E-10	GALNT16	1.94E+00
ENSBTAG00000012285	3.54E-10	1.81E-10	ESRRB	1.95E+00
ENSBTAG00000004086	1.89E-10	9.66E-11	SPINT1	1.95E+00
ENSBTAG00000004990	4.33E-10	2.21E-10	NEO1	1.96E+00
ENSBTAG00000019500	2.04E-10	1.04E-10	CNIH1	1.96E+00
ENSBTAG00000025664	2.08E-09	1.06E-09		1.96E+00
ENSBTAG000000040368	5.18E-10	2.62E-10	AAGAB	1.98E+00
ENSBTAG00000013181	2.42E-10	1.22E-10	LRRC74A	1.98E+00
ENSBTAG00000018419	1.94E-10	9.74E-11	ADCY4	1.99E+00
ENSBTAG00000039554	3.38E-10	1.70E-10		1.99E+00
ENSBTAG00000003715	1.83E-10	9.20E-11	ADAM21	1.98E+00
ENSBTAG000000047105	1.71E-10	8.60E-11		1.98E+00
ENSBTAG00000002745	3.18E-10	1.60E-10	APEX1	1.99E+00
ENSBTAG00000004322	1.19E-10	6.01E-11	FOS	1.98E+00
ENSBTAG000000006823	5.17E-10	2.60E-10	CMYA5	1.99E+00
ENSBTAG00000022229	9.95E-10	4.99E-10	TRAV17	1.99E+00
ENSBTAG00000007149	4.93E-10	2.44E-10	NYNRIN	2.02E+00
ENSBTAG00000017200	2.35E-10	1.16E-10	RHOJ	2.03E+00
ENSBTAG000000021708	3.48E-10	1.71E-10	CEP128	2.03E+00
ENSBTAG00000001945	2.22E-10	1.09E-10	ARG2	2.03E+00
ENSBTAG00000002707	2.78E-10	1.35E-10	IPO4	2.06E+00
ENSBTAG00000011929	3.76E-10	1.83E-10	USP50	2.05E+00
ENSBTAG00000020352	7.97E-10	3.87E-10	PAQR5	2.06E+00
ENSBTAG00000004931	1.80E-10	8.75E-11	POLE2	2.06E+00
ENSBTAG00000012599	2.88E-10	1.39E-10	SMAD3	2.07E+00
ENSBTAG000000046995	1.30E-09	6.25E-10		2.08E+00
ENSBTAG00000025311	1.23E-10	5.92E-11	GMFB	2.08E+00
ENSBTAG000000032798	1.68E-09	7.99E-10		2.10E+00
ENSBTAG00000013042	2.95E-10	1.40E-10	EXOC5	2.11E+00
ENSBTAG000000004933	1.97E-10	9.39E-11	KLHDC2	2.10E+00
ENSBTAG000000014392	2.29E-10	1.09E-10	ACTR10	2.10E+00
ENSBTAG00000001895	3.39E-10	1.61E-10	PGGT1B	2.11E+00
ENSBTAG00000010365	3.08E-10	1.46E-10		2.11E+00
ENSBTAG00000001364	2.31E-10	1.09E-10	DPH6	2.12E+00
ENSBTAG00000018279	1.61E-10	7.59E-11	SPATA5L1	2.12E+00
ENSBTAG00000013983	1.64E-10	7.74E-11	ZC2HC1C	2.12E+00
ENSBTAG000000046361	1.43E-09	6.69E-10		2.13E+00
ENSBTAG000000013830	1.41E-10	6.58E-11	LEO1	2.14E+00
ENSBTAG00000011319	1.01E-10	4.73E-11	SLTM	2.14E+00
ENSBTAG000000031707	3.54E-10	1.63E-10	FRMD6	2.17E+00
ENSBTAG00000021944	2.53E-10	1.13E-10	C14orf166	2.24E+00
ENSBTAG000000047672	1.26E-09	5.62E-10		2.24E+00
ENSBTAG00000010774	2.38E-10	1.06E-10	NUSAP1	2.25E+00
ENSBTAG00000019076	4.92E-10	2.18E-10		2.26E+00
ENSBTAG00000000328	6.45E-10	2.86E-10	TPPP2	2.25E+00
ENSBTAG000000011661	6.62E-10	2.93E-10	CEP152	2.26E+00
ENSBTAG00000000625	2.14E-10	9.44E-11	SMAD6	2.27E+00
ENSBTAG00000012740	1.43E-10	6.32E-11	PIGB	2.27E+00
ENSBTAG00000010145	1.98E-10	8.76E-11	SLC12A1	2.26E+00
ENSBTAG000000003172	3.02E-10	1.32E-10	MEIS2	2.28E+00
ENSBTAG00000012391	2.10E-10	9.20E-11	FAM63B	2.28E+00
ENSBTAG00000021087	2.96E-10	1.29E-10	UBR1	2.29E+00
ENSBTAG000000025826	1.94E-10	8.37E-11	SLC24A1	2.31E+00
ENSBTAG000000040078	3.82E-10	1.64E-10	FLVCR2	2.33E+00
ENSBTAG00000010103	3.47E-10	1.48E-10	TRIM9	2.34E+00
ENSBTAG000000000371	3.68E-10	1.57E-10	DIS3L	2.35E+00
ENSBTAG000000025632	1.40E-10	5.88E-11	NOP10	2.38E+00
ENSBTAG000000032709	1.99E-10	8.34E-11	CMTM5	2.38E+00
ENSBTAG00000016467	8.71E-11	3.66E-11		2.38E+00
ENSBTAG000000005211	3.71E-10	1.55E-10		2.39E+00
ENSBTAG000000046207	5.27E-10	2.21E-10		2.38E+00
ENSBTAG000000046305	5.26E-10	2.20E-10		2.39E+00
ENSBTAG00000013493	3.76E-10	1.58E-10	BNIP2	2.38E+00
ENSBTAG000000033034	3.79E-10	1.59E-10		2.38E+00
ENSBTAG00000014662	5.11E-10	2.14E-10		2.39E+00
ENSBTAG000000047624	4.90E-10	2.05E-10		2.39E+00
ENSBTAG000000047097	4.42E-10	1.85E-10		2.39E+00
ENSBTAG000000047276	8.53E-10	3.56E-10		2.40E+00

ENSBTAG00000047058	8.97E-10	3.75E-10		2.39E+00
ENSBTAG00000047041	9.20E-10	3.84E-10		2.40E+00
ENSBTAG00000008575	6.57E-10	2.74E-10	CGNL1	2.40E+00
ENSBTAG00000015716	6.80E-10	2.82E-10	ERO1A	2.41E+00
ENSBTAG00000020475	2.05E-10	8.46E-11	VIPAS39	2.42E+00
ENSBTAG00000006751	2.43E-10	9.97E-11	PAPD4	2.44E+00
ENSBTAG00000002843	6.27E-10	2.56E-10	ACOT4	2.45E+00
ENSBTAG00000008699	2.07E-10	8.44E-11	FEM1C	2.45E+00
ENSBTAG00000032068	1.93E-10	7.87E-11	PLA2G4F	2.45E+00
ENSBTAG00000001694	2.38E-10	9.59E-11	TYRO3	2.48E+00
ENSBTAG00000002715	4.30E-10	1.73E-10		2.48E+00
ENSBTAG00000001881	2.15E-10	8.56E-11	SLC10A1	2.51E+00
ENSBTAG00000000552	3.69E-10	1.45E-10	DISP2	2.54E+00
ENSBTAG00000030595	4.86E-10	1.91E-10	COX16	2.54E+00
ENSBTAG00000034848	1.48E-10	5.83E-11	F2RL1	2.54E+00
ENSBTAG00000004930	1.79E-10	7.04E-11	DNAAF2	2.54E+00
ENSBTAG000000012866	5.92E-10	2.32E-10	THBS4	2.55E+00
ENSBTAG00000006784	1.41E-10	5.53E-11		2.54E+00
ENSBTAG00000013982	2.04E-10	8.00E-11	UACA	2.55E+00
ENSBTAG00000015732	2.42E-10	9.44E-11	PSMC6	2.56E+00
ENSBTAG00000010238	5.28E-10	2.04E-10	LTB4R	2.59E+00
ENSBTAG00000047690	1.97E-09	7.46E-10		2.64E+00
ENSBTAG00000006470	2.50E-10	9.48E-11	TTBK2	2.63E+00
ENSBTAG000000046651	8.76E-10	3.29E-10		2.66E+00
ENSBTAG000000033045	1.48E-09	5.54E-10		2.67E+00
ENSBTAG000000035785	7.72E-10	2.89E-10		2.67E+00
ENSBTAG00000020880	3.70E-10	1.39E-10	C14orf37	2.66E+00
ENSBTAG00000006790	2.10E-10	7.71E-11	SPTBN5	2.73E+00
ENSBTAG000000011451	2.57E-10	9.26E-11	RTN1	2.78E+00
ENSBTAG00000002706	2.86E-10	1.03E-10	GSTZ1	2.77E+00
ENSBTAG000000037679	4.56E-10	1.64E-10	PPP1R3E	2.78E+00
ENSBTAG000000047465	1.24E-09	4.44E-10		2.80E+00
ENSBTAG000000047522	9.97E-10	3.56E-10		2.80E+00
ENSBTAG000000046819	9.93E-10	3.55E-10		2.80E+00
ENSBTAG000000037924	1.47E-09	5.23E-10		2.80E+00
ENSBTAG000000020100	2.36E-10	8.41E-11	ARHGAP11A	2.80E+00
ENSBTAG000000047952	1.26E-09	4.49E-10		2.80E+00
ENSBTAG00000007433	2.82E-10	9.94E-11		2.84E+00
ENSBTAG000000012741	1.34E-10	4.69E-11	CCPG1	2.84E+00
ENSBTAG000000008868	2.27E-10	7.96E-11	CAPN3	2.85E+00
ENSBTAG000000001124	6.23E-10	2.17E-10	GALC	2.87E+00
ENSBTAG00000015052	1.07E-10	3.67E-11	PROX2	2.90E+00
ENSBTAG000000013774	3.00E-10	1.03E-10	C15orf52	2.91E+00
ENSBTAG000000000767	3.93E-10	1.34E-10	DCP2	2.93E+00
ENSBTAG000000013452	9.66E-10	3.29E-10	AQP9	2.94E+00
ENSBTAG00000002278	2.99E-10	1.01E-10	FBN1	2.96E+00
ENSBTAG000000037985	7.73E-10	2.58E-10	CHRM5	3.00E+00
ENSBTAG000000007237	4.17E-10	1.38E-10	BUB1B	3.02E+00
ENSBTAG00000006366	2.12E-10	7.01E-11	NFATC4	3.02E+00
ENSBTAG000000012565	5.60E-10	1.84E-10	PCNX1	3.04E+00
ENSBTAG000000031396	1.53E-09	4.97E-10		3.08E+00
ENSBTAG000000047312	2.13E-09	6.89E-10		3.09E+00
ENSBTAG000000005565	5.79E-10	1.86E-10	CLN6	3.11E+00
ENSBTAG000000003493	4.55E-10	1.46E-10		3.12E+00
ENSBTAG000000040053	3.38E-10	1.08E-10	MYH6	3.12E+00
ENSBTAG000000005489	1.34E-10	4.27E-11	WDR36	3.13E+00
ENSBTAG000000005865	1.36E-10	4.28E-11	MAPK6	3.18E+00
ENSBTAG000000011596	1.91E-10	6.00E-11	SRSF5	3.17E+00
ENSBTAG000000005210	2.94E-10	9.25E-11	SNAPC5	3.18E+00
ENSBTAG000000016713	2.94E-10	9.25E-11	TMEM30B	3.18E+00
ENSBTAG000000017471	2.38E-10	7.49E-11	KBTBD13	3.18E+00
ENSBTAG000000012139	1.60E-10	5.04E-11	SIX1	3.17E+00
ENSBTAG000000047027	1.50E-10	4.73E-11	C14orf119	3.17E+00
ENSBTAG000000047015	5.64E-10	1.77E-10		3.19E+00
ENSBTAG000000039077	5.91E-10	1.85E-10		3.19E+00
ENSBTAG000000038377	1.48E-10	4.66E-11	ADAM20	3.17E+00
ENSBTAG000000037411	7.09E-10	2.22E-10		3.19E+00
ENSBTAG000000004303	2.29E-10	7.14E-11	SLC27A2	3.20E+00
ENSBTAG000000015200	3.19E-10	9.92E-11	L2HGDH	3.21E+00
ENSBTAG000000025822	6.10E-10	1.88E-10	CALML4	3.24E+00

ENSBTAG00000030557	1.14E-10	3.48E-11	LIN52	3.27E+00
ENSBTAG00000005984	1.29E-10	3.87E-11	DAAM1	3.32E+00
ENSBTAG00000010399	3.92E-10	1.17E-10	TXNDC16	3.35E+00
ENSBTAG00000003915	1.20E-09	3.57E-10	LARP6	3.37E+00
ENSBTAG00000002748	3.03E-10	8.80E-11	TMEM55B	3.45E+00
ENSBTAG00000004631	2.89E-10	8.37E-11	KIAA0586	3.45E+00
ENSBTAG00000014807	1.98E-10	5.71E-11	DPP8	3.47E+00
ENSBTAG00000010766	1.66E-10	4.64E-11	OIP5	3.57E+00
ENSBTAG00000025564	4.48E-10	1.25E-10	RPL36A	3.58E+00
ENSBTAG00000038083	6.58E-10	1.83E-10		3.59E+00
ENSBTAG00000007586	5.28E-10	1.44E-10	SYNJ2BP	3.66E+00
ENSBTAG00000013485	1.61E-10	4.35E-11	ZFYVE19	3.70E+00
ENSBTAG00000032908	4.07E-10	1.10E-10	TMEM253	3.70E+00
ENSBTAG00000018898	3.23E-10	8.57E-11	ARID4A	3.77E+00
ENSBTAG00000002357	3.59E-10	9.49E-11	TICAM2	3.78E+00
ENSBTAG00000009703	5.25E-10	1.33E-10	MYH7	3.94E+00
ENSBTAG00000010503	1.24E-10	3.11E-11	TIMM9	3.97E+00
ENSBTAG00000013477	1.09E-10	2.74E-11	GCHFR	3.96E+00
ENSBTAG00000017641	5.52E-10	1.39E-10		3.97E+00
ENSBTAG00000007614	4.83E-10	1.21E-10	BBS4	3.99E+00
ENSBTAG00000008815	1.58E-10	3.94E-11	WDR89	4.01E+00
ENSBTAG00000004013	3.10E-10	7.59E-11	FGF7	4.08E+00
ENSBTAG00000006489	2.71E-10	6.52E-11	MYO5A	4.15E+00
ENSBTAG00000013793	4.63E-10	1.09E-10	NEDD4	4.24E+00
ENSBTAG00000005550	5.11E-10	1.20E-10	SOS2	4.25E+00
ENSBTAG00000019079	2.83E-10	6.61E-11	PLCB2	4.28E+00
ENSBTAG00000005564	3.41E-10	7.89E-11	PIAS1	4.32E+00
ENSBTAG00000048064	5.88E-10	1.36E-10		4.32E+00
ENSBTAG00000006708	3.17E-10	7.30E-11	ARIH1	4.33E+00
ENSBTAG00000032340	4.09E-10	9.43E-11	KNSTRN	4.33E+00
ENSBTAG00000018469	2.32E-10	5.24E-11	ALDH6A1	4.41E+00
ENSBTAG00000009862	5.22E-10	1.17E-10	C14orf105	4.46E+00
ENSBTAG00000019601	1.13E-10	2.52E-11		4.46E+00
ENSBTAG00000020281	4.66E-10	1.02E-10	NIN	4.57E+00
ENSBTAG00000021630	4.88E-10	1.06E-10	MTFMT	4.60E+00
ENSBTAG00000012250	1.96E-10	4.23E-11	BLOC1S6	4.63E+00
ENSBTAG00000000062	4.11E-10	8.71E-11	RASL12	4.71E+00
ENSBTAG00000020471	2.97E-10	6.23E-11	SAMD15	4.77E+00
ENSBTAG00000012352	1.94E-10	4.07E-11	PARP16	4.76E+00
ENSBTAG00000039658	1.66E-10	3.49E-11	PDCD7	4.76E+00
ENSBTAG00000027251	2.53E-10	5.30E-11		4.76E+00
ENSBTAG00000012898	1.46E-10	3.06E-11		4.76E+00
ENSBTAG00000040609	5.11E-10	1.07E-10		4.77E+00
ENSBTAG00000038963	5.25E-10	1.10E-10		4.77E+00
ENSBTAG00000047322	8.12E-10	1.70E-10		4.78E+00
ENSBTAG00000046482	1.05E-09	2.19E-10		4.81E+00
ENSBTAG00000004011	4.21E-10	8.74E-11	GALK2	4.81E+00
ENSBTAG00000014657	1.67E-10	3.46E-11	C14orf39	4.81E+00
ENSBTAG00000008863	1.92E-10	3.99E-11	TMEM87A	4.81E+00
ENSBTAG00000013132	4.49E-10	9.21E-11	MTX3	4.88E+00
ENSBTAG00000013480	1.15E-10	2.36E-11	DNAJC17	4.85E+00
ENSBTAG00000012180	3.88E-10	7.78E-11	BMF	4.99E+00
ENSBTAG00000007931	4.13E-10	8.26E-11	SLC38A6	5.00E+00
ENSBTAG00000038565	1.78E-09	3.40E-10		5.23E+00
ENSBTAG00000003371	6.13E-10	1.17E-10	JKAMP	5.24E+00
ENSBTAG00000009595	2.29E-10	4.31E-11	NGDN	5.29E+00
ENSBTAG00000016826	6.69E-10	1.22E-10		5.48E+00
ENSBTAG00000011448	2.22E-10	4.03E-11	CCDC175	5.50E+00
ENSBTAG00000002808	1.36E-10	2.45E-11	PSMA3	5.54E+00
ENSBTAG00000019421	2.44E-10	4.38E-11	DACT1	5.56E+00
ENSBTAG00000021393	2.90E-10	5.20E-11	FLRT2	5.56E+00
ENSBTAG00000020474	3.04E-10	5.45E-11	NOXRED1	5.56E+00
ENSBTAG00000004788	1.69E-10	3.05E-11	SDR39U1	5.54E+00
ENSBTAG00000006440	1.51E-10	2.72E-11	IGDCC4	5.54E+00
ENSBTAG00000014384	3.01E-10	5.16E-11	ZDHHC22	5.82E+00
ENSBTAG00000017141	8.06E-10	1.36E-10	CGRRF1	5.92E+00
ENSBTAG00000002586	4.86E-10	8.19E-11	TCF12	5.92E+00
ENSBTAG00000038733	1.29E-10	2.17E-11	EFS	5.94E+00
ENSBTAG00000038327	6.59E-10	1.10E-10		5.99E+00
ENSBTAG00000027173	1.50E-10	2.50E-11	CHP1	5.98E+00

ENSBTAG00000018959	1.66E-10	2.68E-11	RAB11A	6.18E+00
ENSBTAG00000038868	6.44E-10	1.01E-10		6.38E+00
ENSBTAG00000005994	7.03E-10	1.10E-10	SPESP1	6.38E+00
ENSBTAG00000014890	1.89E-10	2.81E-11	CYP19A1	6.71E+00
ENSBTAG00000001675	1.67E-10	2.47E-11	ITPKA	6.74E+00
ENSBTAG000000013425	4.58E-10	6.72E-11	COPS2	6.81E+00
ENSBTAG000000046464	1.29E-09	1.85E-10		6.95E+00
ENSBTAG000000004420	1.06E-10	1.48E-11	BAHD1	7.13E+00
ENSBTAG000000038842	4.05E-10	5.65E-11	NEDD8	7.15E+00
ENSBTAG000000045760	7.68E-10	1.07E-10		7.17E+00
ENSBTAG000000021957	3.06E-10	4.13E-11	LTBP2	7.38E+00
ENSBTAG000000014236	8.34E-10	1.10E-10	NR2E3	7.58E+00
ENSBTAG000000017373	1.79E-10	2.31E-11	LACTB	7.71E+00
ENSBTAG000000008466	7.15E-10	9.22E-11	CCNB1IP1	7.75E+00
ENSBTAG000000025593	1.74E-10	2.18E-11	C15orf57	7.93E+00
ENSBTAG000000045758	1.49E-09	1.85E-10		8.05E+00
ENSBTAG000000012015	6.18E-10	7.51E-11	FSIP1	8.22E+00
ENSBTAG000000005714	3.27E-10	3.91E-11	ACTC1	8.34E+00
ENSBTAG000000016821	7.30E-10	8.62E-11	SNX22	8.46E+00
ENSBTAG000000004079	3.14E-10	3.58E-11	ZNF106	8.74E+00
ENSBTAG000000045993	1.57E-09	1.77E-10		8.85E+00
ENSBTAG000000047091	2.03E-09	2.29E-10		8.86E+00
ENSBTAG000000046553	3.97E-10	4.32E-11	SECISBP2L	9.16E+00
ENSBTAG000000008828	2.86E-10	3.06E-11	IGDCC3	9.33E+00
ENSBTAG000000014351	7.96E-10	8.50E-11	EIF2AK4	9.35E+00
ENSBTAG000000045799	4.79E-10	4.87E-11		9.82E+00
ENSBTAG000000009923	1.99E-10	1.97E-11		1.00E+01
ENSBTAG000000019390	3.85E-10	3.81E-11	CA12	1.01E+01
ENSBTAG000000046309	2.57E-10	2.48E-11		1.03E+01
ENSBTAG000000021955	6.23E-10	6.01E-11	NPC2	1.04E+01
ENSBTAG000000002006	5.11E-10	4.73E-11	THBS1	1.08E+01
ENSBTAG000000001486	2.69E-10	2.43E-11	ZNF280D	1.10E+01
ENSBTAG000000040167	1.47E-09	1.30E-10		1.13E+01
ENSBTAG000000010234	6.53E-10	5.76E-11	DHRS1	1.13E+01
ENSBTAG000000005941	2.37E-09	2.09E-10		1.13E+01
ENSBTAG000000030801	3.24E-10	2.75E-11	MNAT1	1.17E+01
ENSBTAG000000012317	7.81E-10	6.63E-11		1.18E+01
ENSBTAG000000000821	4.62E-10	3.60E-11	GPR137C	1.28E+01
ENSBTAG000000001605	4.72E-10	3.63E-11		1.30E+01
ENSBTAG000000016822	6.79E-10	5.21E-11	PPIB	1.30E+01
ENSBTAG000000002918	7.80E-11	5.78E-12	RAD51	1.33E+01
ENSBTAG000000002012	6.90E-10	4.69E-11	FAM96A	1.47E+01
ENSBTAG000000008866	3.65E-10	2.44E-11	GANC	1.49E+01
ENSBTAG000000010380	2.51E-10	1.62E-11	INO80	1.54E+01
ENSBTAG000000003263	2.09E-10	1.33E-11	TBCA	1.56E+01
ENSBTAG000000001671	1.81E-10	1.15E-11	RTF1	1.56E+01
ENSBTAG000000008363	2.12E-10	1.33E-11	EXD1	1.58E+01
ENSBTAG000000016242	1.42E-10	8.93E-12	DUOXA1	1.57E+01
ENSBTAG000000006198	1.79E-09	1.11E-10		1.61E+01
ENSBTAG000000002014	5.02E-10	3.08E-11	SNX1	1.63E+01
ENSBTAG000000025496	5.38E-10	3.01E-11	SORD	1.78E+01
ENSBTAG000000004950	1.17E-09	6.33E-11		1.84E+01
ENSBTAG000000001693	4.81E-10	2.59E-11	RPAP1	1.85E+01
ENSBTAG000000016246	2.08E-10	1.02E-11	DUOX1	2.02E+01
ENSBTAG000000016234	2.41E-10	1.17E-11	DUOX2	2.05E+01
ENSBTAG000000009372	9.24E-10	4.42E-11	TTC5	2.09E+01
ENSBTAG000000020934	3.77E-10	1.63E-11	SHF	2.30E+01
ENSBTAG000000016239	6.82E-10	2.94E-11	DUOXA2	2.31E+01
ENSBTAG000000014353	7.57E-10	3.16E-11	SRP14	2.39E+01
ENSBTAG000000004409	2.23E-10	8.76E-12	IVD	2.52E+01
ENSBTAG000000016327	5.14E-10	1.58E-11	SLC28A2	3.23E+01
ENSBTAG000000030824	5.36E-10	1.64E-11	L3HYPDH	3.25E+01
ENSBTAG000000012712	6.14E-10	1.76E-11	AQR	3.47E+01
ENSBTAG000000011796	4.80E-10	9.72E-12	TRMT5	4.89E+01
ENSBTAG000000009249	1.12E-10	0	OTP	1.12E+03
ENSBTAG000000008386	1.62E-10	0	CLPX	1.62E+03
ENSBTAG000000002821	3.35E-10	0	CILP	3.35E+03
ENSBTAG000000001871	1.48E-10	0	NRL	1.48E+03
ENSBTAG000000047258	1.46E-10	0		1.46E+03
ENSBTAG000000047444	1.46E-10	0		1.46E+03

ENSBTAG00000046477	1.46E-10	0		1.46E+03
ENSBTAG00000047683	4.39E-10	0		4.40E+03
ENSBTAG00000046102	4.22E-10	0		4.22E+03
ENSBTAG00000027170	1.54E-10	0		1.54E+03
ENSBTAG00000040141	7.96E-10	0	TRAV14DV4	7.96E+03
ENSBTAG00000024659	0	0		1.00E+00
ENSBTAG00000047645	7.62E-11	0		7.63E+02
ENSBTAG00000021730	2.94E-10	0	GJD2	2.94E+03
ENSBTAG00000003193	8.17E-11	0	RPUSD2	8.18E+02
ENSBTAG00000002921	1.50E-10	0	RMDN3	1.50E+03
ENSBTAG00000016291	2.21E-10	0	RHOV	2.21E+03
ENSBTAG00000010371	3.46E-10	0	CHAC1	3.46E+03
ENSBTAG00000038438	8.51E-10	0	SUMO1	8.51E+03
ENSBTAG00000010778	9.93E-11	0	NDUFAF1	9.94E+02
ENSBTAG00000032894	2.72E-10	0		2.72E+03
ENSBTAG00000020814	2.22E-10	0		2.22E+03
ENSBTAG000000047868	4.59E-11	0		4.60E+02
ENSBTAG00000006201	2.04E-10	0	DTWD1	2.04E+03
ENSBTAG00000046376	1.63E-10	0		1.63E+03
ENSBTAG00000005586	1.54E-10	0	GATM	1.54E+03
ENSBTAG00000003370	1.10E-10	0	GPR135	1.10E+03
ENSBTAG00000013035	9.55E-11	0	SIX6	9.56E+02
ENSBTAG00000046048	0	0		1.00E+00
ENSBTAG00000021956	6.11E-10	0	ISCA2	6.11E+03
ENSBTAG000000039241	2.47E-10	0	OR6S1	2.47E+03
ENSBTAG00000046058	1.37E-10	0	RNASE11	1.37E+03
ENSBTAG00000003006	0	0	RNASE9	1.00E+00
ENSBTAG00000032869	2.58E-10	0	RNASE10	2.58E+03
ENSBTAG00000038643	6.76E-10	0	OR11H4	6.76E+03
ENSBTAG00000011510	8.53E-11	0		8.54E+02
ENSBTAG00000040208	2.56E-10	0		2.56E+03
ENSBTAG000000037647	8.75E-11	0		8.76E+02
ENSBTAG00000046604	1.48E-10	0	GREM1	1.48E+03
ENSBTAG00000040206	1.19E-10	0	ZNF770	1.19E+03
ENSBTAG00000004421	2.94E-10	0	CHST14	2.94E+03
ENSBTAG00000047281	0	0	C15orf62	1.00E+00
ENSBTAG00000024582	3.22E-10	0	RPL10L	3.22E+03
ENSBTAG00000033891	0	0	MGAT2	1.00E+00
ENSBTAG00000045980	0	0	ARF6	1.00E+00
ENSBTAG000000010472	0	0	TNFAIP8L3	1.00E+00
ENSBTAG00000045847	0	0	CTXN2	1.00E+00
ENSBTAG00000047170	4.35E-10	0		4.35E+03
ENSBTAG00000020533	0	0	FBXO34	1.00E+00
ENSBTAG00000045619	0	0		1.00E+00
ENSBTAG00000046952	3.63E-10	0		3.63E+03
ENSBTAG00000025372	1.31E-10	0	C14orf169	1.31E+03
ENSBTAG00000025329	0	0	IRF2BPL	1.00E+00
ENSBTAG00000030521	0	8.53E-11	IER5L	1.17E-03
ENSBTAG00000039113	1.41E-10	8.92E-10	MSGN1	1.58E-01
ENSBTAG00000016606	3.57E-11	1.35E-10	PCGF1	2.65E-01
ENSBTAG00000023372	2.92E-11	1.11E-10		2.64E-01
ENSBTAG00000006474	2.00E-10	7.48E-10	EPCAM	2.67E-01
ENSBTAG00000046939	1.00E-10	3.28E-10	C9orf69	3.05E-01
ENSBTAG00000038183	1.66E-10	5.24E-10		3.17E-01
ENSBTAG00000018426	9.80E-11	2.81E-10		3.49E-01
ENSBTAG00000046018	8.61E-11	2.17E-10		3.97E-01
ENSBTAG00000047475	4.91E-11	1.24E-10		3.96E-01
ENSBTAG00000036099	3.39E-11	8.54E-11		3.97E-01
ENSBTAG00000047226	1.31E-10	3.01E-10		4.37E-01
ENSBTAG00000047575	5.47E-11	1.24E-10		4.42E-01
ENSBTAG00000015012	8.71E-11	1.92E-10	PTRHD1	4.54E-01
ENSBTAG00000046416	2.54E-10	5.61E-10		4.52E-01
ENSBTAG00000012099	2.32E-10	4.62E-10	TMEM87B	5.02E-01
ENSBTAG00000015490	4.09E-10	8.10E-10	HS1BP3	5.05E-01
ENSBTAG00000031731	1.94E-10	3.66E-10		5.29E-01
ENSBTAG00000015014	9.81E-11	1.79E-10	CENPO	5.48E-01
ENSBTAG00000009694	9.27E-11	1.66E-10	PUS10	5.59E-01
ENSBTAG00000039531	3.42E-10	6.04E-10		5.66E-01
ENSBTAG00000046140	1.83E-10	3.24E-10	NPDC1	5.66E-01
ENSBTAG00000015386	1.16E-10	2.04E-10	REL	5.69E-01

ENSBTAG00000038941	6.34E-10	1.00E-09		6.34E-01
ENSBTAG00000012736	1.73E-10	2.73E-10	PTRH1	6.35E-01
ENSBTAG00000010520	2.26E-10	3.56E-10	C8G	6.34E-01
ENSBTAG00000018286	1.75E-10	2.76E-10	RNF181	6.35E-01
ENSBTAG00000017982	1.88E-10	2.87E-10	FIBCD1	6.55E-01
ENSBTAG00000010595	9.60E-11	1.46E-10	WDR92	6.58E-01
ENSBTAG00000000783	6.17E-11	9.19E-11	TGFA	6.71E-01
ENSBTAG00000046484	1.67E-10	2.35E-10	AIF1L	7.11E-01
ENSBTAG00000012525	9.29E-10	1.29E-09	ABO	7.20E-01
ENSBTAG00000008160	6.05E-10	8.39E-10	MBOAT2	7.21E-01
ENSBTAG00000032623	3.00E-10	4.15E-10	KCNG3	7.23E-01
ENSBTAG00000001424	1.23E-10	1.70E-10	MSH6	7.24E-01
ENSBTAG00000023928	4.35E-10	5.90E-10	RDH14	7.37E-01
ENSBTAG00000046218	1.07E-10	1.45E-10	KLF11	7.38E-01
ENSBTAG00000002034	2.70E-10	3.57E-10	MFS2B	7.57E-01
ENSBTAG00000040226	3.07E-10	4.04E-10	C2orf81	7.60E-01
ENSBTAG00000004295	4.13E-10	5.37E-10	NDUFA8	7.69E-01
ENSBTAG00000019382	3.06E-10	3.96E-10	PKDCC	7.73E-01
ENSBTAG00000037856	1.30E-10	1.64E-10		7.92E-01
ENSBTAG00000032651	1.36E-10	1.71E-10		7.96E-01
ENSBTAG00000039138	1.27E-10	1.61E-10	MRPL41	7.92E-01
ENSBTAG00000039815	1.18E-10	1.48E-10	ZBTB6	7.95E-01
ENSBTAG00000030676	2.59E-10	3.26E-10	OR1K1	7.94E-01
ENSBTAG00000021935	2.34E-10	2.95E-10	ELMOD3	7.94E-01
ENSBTAG00000018579	5.69E-11	7.17E-11	DOK1	7.94E-01
ENSBTAG00000014667	1.75E-10	2.21E-10	PAIP2B	7.93E-01
ENSBTAG00000000726	9.64E-10	1.21E-09	OR1J1	7.97E-01
ENSBTAG00000039708	8.39E-11	1.06E-10	C9orf172	7.92E-01
ENSBTAG00000004159	5.08E-11	6.40E-11	SIX2	7.94E-01
ENSBTAG00000046563	9.95E-10	1.25E-09	TSPYL6	7.96E-01
ENSBTAG00000016607	5.84E-11	7.35E-11	TLX2	7.94E-01
ENSBTAG00000047693	2.63E-10	3.31E-10		7.94E-01
ENSBTAG00000037767	9.70E-10	1.22E-09	OR1N1	7.95E-01
ENSBTAG00000009033	7.90E-10	9.95E-10	TEX37	7.94E-01
ENSBTAG00000038610	6.02E-11	7.59E-11	ZBTB26	7.94E-01
ENSBTAG00000047503	4.02E-10	5.06E-10		7.94E-01
ENSBTAG00000045538	8.96E-10	1.13E-09		7.93E-01
ENSBTAG00000047772	1.58E-10	1.99E-10	FBXO48	7.94E-01
ENSBTAG00000023787	6.71E-11	8.45E-11	TOR4A	7.94E-01
ENSBTAG000000047149	8.92E-11	1.12E-10		7.96E-01
ENSBTAG00000007793	8.64E-11	1.09E-10	SERTAD2	7.93E-01
ENSBTAG00000023997	4.40E-10	5.54E-10	VAMP8	7.94E-01
ENSBTAG00000038257	6.29E-11	7.92E-11		7.94E-01
ENSBTAG00000014150	2.41E-10	3.04E-10	C9orf16	7.94E-01
ENSBTAG00000012484	1.10E-10	1.39E-10	ENDOG	7.91E-01
ENSBTAG00000047185	1.11E-09	1.40E-09		7.93E-01
ENSBTAG00000047907	1.60E-10	2.02E-10		7.93E-01
ENSBTAG00000020123	2.70E-11	3.40E-11	AUP1	7.95E-01
ENSBTAG00000019212	2.01E-10	2.53E-10	KCNS3	7.93E-01
ENSBTAG00000005654	1.62E-10	2.04E-10	TMSB10	7.95E-01
ENSBTAG00000039223	1.08E-10	1.36E-10	WDR38	7.92E-01
ENSBTAG00000012880	1.40E-10	1.76E-10	DNLZ	7.93E-01
ENSBTAG00000004562	1.16E-09	1.43E-09	CD207	8.10E-01
ENSBTAG00000039851	2.36E-10	2.91E-10	UBAC1	8.09E-01
ENSBTAG00000008905	1.19E-09	1.47E-09	FIGLA	8.10E-01
ENSBTAG00000004297	4.70E-10	5.81E-10	ACOXL	8.09E-01
ENSBTAG00000030246	6.22E-10	7.61E-10	ENTPD8	8.18E-01
ENSBTAG00000015007	1.12E-10	1.35E-10		8.26E-01
ENSBTAG00000001575	3.49E-10	4.25E-10		8.21E-01
ENSBTAG00000018401	4.86E-10	5.90E-10	APLF	8.24E-01
ENSBTAG00000008997	1.76E-10	2.13E-10		8.27E-01
ENSBTAG00000004664	5.72E-10	6.91E-10		8.28E-01
ENSBTAG00000017429	3.22E-10	3.87E-10	PREPL	8.31E-01
ENSBTAG00000021934	3.46E-10	4.14E-10	RETSAT	8.35E-01
ENSBTAG00000014159	5.70E-10	6.83E-10	TTL	8.34E-01
ENSBTAG00000011912	1.66E-10	2.00E-10	SLC25A25	8.32E-01
ENSBTAG00000004823	5.07E-10	6.07E-10	MRPL35	8.36E-01
ENSBTAG00000033801	2.90E-10	3.48E-10	VRK2	8.34E-01
ENSBTAG00000002085	8.03E-10	9.53E-10	IL36G	8.42E-01
ENSBTAG00000000184	4.89E-10	5.81E-10	EIF2AK3	8.42E-01

ENSBTAG00000046303	3.24E-10	3.84E-10		8.44E-01
ENSBTAG00000048218	1.44E-09	1.71E-09	OR1L3	8.43E-01
ENSBTAG00000009246	2.01E-10	2.37E-10	DPY30	8.50E-01
ENSBTAG00000044173	1.57E-10	1.85E-10	EHBP1	8.49E-01
ENSBTAG00000004560	7.17E-10	8.41E-10	CLEC4F	8.53E-01
ENSBTAG00000009658	4.11E-10	4.82E-10	PLEK	8.53E-01
ENSBTAG00000000705	7.61E-10	8.82E-10	COX7A2L	8.62E-01
ENSBTAG00000005704	5.54E-10	6.41E-10	IL1RL2	8.65E-01
ENSBTAG00000006572	2.79E-10	3.22E-10	CARD9	8.66E-01
ENSBTAG000000046126	1.05E-09	1.21E-09	OR1J2	8.70E-01
ENSBTAG00000005270	2.15E-10	2.49E-10		8.65E-01
ENSBTAG00000001140	8.36E-10	9.60E-10	IAH1	8.71E-01
ENSBTAG00000016144	1.20E-09	1.38E-09	LCN10	8.68E-01
ENSBTAG000000045527	2.04E-09	2.34E-09		8.70E-01
ENSBTAG00000038972	6.44E-10	7.37E-10	LCN9	8.73E-01
ENSBTAG00000013580	2.26E-10	2.58E-10	KDM3A	8.74E-01
ENSBTAG00000001949	1.67E-10	1.91E-10	ZNF2	8.73E-01
ENSBTAG00000003358	5.55E-10	6.35E-10	MCFD2	8.74E-01
ENSBTAG00000000899	2.25E-10	2.57E-10	TMEM17	8.77E-01
ENSBTAG00000012274	5.36E-10	6.09E-10	CIZ1	8.80E-01
ENSBTAG00000019697	5.29E-10	6.01E-10	NPAS2	8.81E-01
ENSBTAG00000011553	7.27E-10	8.24E-10		8.82E-01
ENSBTAG00000019254	6.14E-10	6.95E-10	CFAP77	8.84E-01
ENSBTAG00000004194	5.25E-10	5.93E-10	RALGDS	8.86E-01
ENSBTAG000000046971	5.08E-10	5.71E-10		8.90E-01
ENSBTAG00000013510	1.83E-10	2.05E-10	TOR2A	8.93E-01
ENSBTAG00000032424	5.45E-10	6.11E-10	FSHR	8.92E-01
ENSBTAG00000000703	4.09E-10	4.57E-10	ST6GAL2	8.94E-01
ENSBTAG00000019735	6.19E-10	6.93E-10	CPSF3	8.94E-01
ENSBTAG00000047715	1.09E-10	1.22E-10		8.91E-01
ENSBTAG00000001706	7.43E-10	8.29E-10	SLC9A2	8.96E-01
ENSBTAG000000021969	3.78E-10	4.21E-10	KLHL29	8.98E-01
ENSBTAG000000017199	7.20E-10	8.00E-10	GKN2	9.00E-01
ENSBTAG00000011129	2.05E-10	2.27E-10	QSOX2	9.02E-01
ENSBTAG00000009076	4.01E-10	4.42E-10	ADD2	9.08E-01
ENSBTAG00000008048	5.53E-10	6.08E-10	GCFC2	9.10E-01
ENSBTAG00000004542	2.07E-10	2.28E-10	FAM78A	9.10E-01
ENSBTAG00000014081	6.65E-10	7.30E-10	NBAS	9.12E-01
ENSBTAG00000045545	1.26E-09	1.38E-09		9.15E-01
ENSBTAG000000005870	2.53E-10	2.76E-10	FANCL	9.16E-01
ENSBTAG00000008994	3.74E-10	4.07E-10	FPGS	9.19E-01
ENSBTAG00000046775	5.52E-10	6.00E-10	MAN1B1	9.20E-01
ENSBTAG00000017039	4.20E-10	4.56E-10	ARHGEF33	9.21E-01
ENSBTAG000000011544	2.17E-10	2.35E-10	GAPVD1	9.23E-01
ENSBTAG000000021120	5.37E-10	5.80E-10	SMYD1	9.25E-01
ENSBTAG00000001549	5.80E-10	6.26E-10	OR1L1	9.27E-01
ENSBTAG00000004073	2.20E-10	2.36E-10	MTA3	9.34E-01
ENSBTAG000000015193	2.79E-10	2.99E-10	BOLA3	9.32E-01
ENSBTAG00000008216	3.06E-10	3.28E-10	RRM2	9.33E-01
ENSBTAG00000016987	2.27E-10	2.44E-10	WDCP	9.32E-01
ENSBTAG00000047297	1.80E-09	1.93E-09		9.33E-01
ENSBTAG00000015553	1.73E-10	1.85E-10	SCAI	9.36E-01
ENSBTAG00000014678	7.69E-10	8.13E-10	PAEP	9.45E-01
ENSBTAG00000033010	2.84E-10	3.01E-10	TTC27	9.43E-01
ENSBTAG000000018761	8.63E-10	9.11E-10	SLC35F6	9.47E-01
ENSBTAG00000011554	4.50E-10	4.74E-10	SURF6	9.49E-01
ENSBTAG00000030319	8.26E-10	8.69E-10	GBGT1	9.50E-01
ENSBTAG00000007662	1.32E-10	1.38E-10		9.54E-01
ENSBTAG000000027015	7.22E-10	7.57E-10		9.53E-01
ENSBTAG000000002943	9.77E-10	1.02E-09		9.58E-01
ENSBTAG00000010497	7.30E-10	7.66E-10	TRAF2	9.53E-01
ENSBTAG00000023064	2.50E-10	2.59E-10	CCDC187	9.66E-01
ENSBTAG00000016366	4.11E-10	4.25E-10	ABCG8	9.66E-01
ENSBTAG00000038462	6.97E-10	7.20E-10	TMEM182	9.69E-01
ENSBTAG00000002570	3.30E-10	3.40E-10	PPP1R21	9.70E-01
ENSBTAG00000001425	1.21E-10	1.24E-10	FBXO11	9.77E-01
ENSBTAG00000007897	4.72E-10	4.84E-10	POMC	9.76E-01
ENSBTAG00000004722	1.22E-09	1.25E-09	THUMPD2	9.77E-01
ENSBTAG00000004092	3.76E-10	3.83E-10	AK8	9.81E-01
ENSBTAG00000047031	3.67E-10	3.74E-10	WDR5	9.82E-01



ENSBTAG00000013063	6.44E-10	6.55E-10	ITGB1BP1	9.83E-01
ENSBTAG00000017005	1.35E-09	1.36E-09	LCN8	9.91E-01
ENSBTAG00000003307	5.13E-10	5.19E-10	IMMT	9.88E-01
ENSBTAG00000048091	1.04E-09	1.05E-09		9.90E-01
ENSBTAG00000004544	9.49E-10	9.59E-10	TXNDC9	9.89E-01
ENSBTAG00000021283	1.77E-10	1.79E-10	KCNF1	9.91E-01
ENSBTAG00000011727	1.22E-10	1.23E-10	ETAA1	9.90E-01
ENSBTAG00000007888	7.23E-10	7.28E-10	EFR3B	9.93E-01
ENSBTAG00000045711	4.09E-10	4.12E-10	CYSRT1	9.92E-01
ENSBTAG00000012925	1.00E-09	1.00E-09	NCAPH	1.00E+00
ENSBTAG00000009599	1.18E-09	1.19E-09	LCN1	9.92E-01
ENSBTAG00000008505	3.12E-10	3.12E-10	APOB	1.00E+00
ENSBTAG00000025612	2.35E-10	2.34E-10	URM1	1.00E+00
ENSBTAG00000016045	3.65E-10	3.64E-10	TRIB2	1.00E+00
ENSBTAG00000024822	3.35E-10	3.33E-10	SETX	1.01E+00
ENSBTAG00000006259	1.99E-10	1.97E-10	MOB1A	1.01E+00
ENSBTAG00000003904	2.94E-10	2.92E-10	GPN1	1.01E+00
ENSBTAG00000026111	2.48E-10	2.46E-10	LBH	1.01E+00
ENSBTAG00000030302	2.94E-10	2.91E-10	EDF1	1.01E+00
ENSBTAG00000011810	3.70E-10	3.65E-10	ANGPTL2	1.01E+00
ENSBTAG00000033041	2.38E-10	2.35E-10	YIPF4	1.01E+00
ENSBTAG00000023999	3.02E-10	2.97E-10	GTF2A1L	1.02E+00
ENSBTAG00000003525	2.46E-10	2.42E-10	STXBP1	1.01E+00
ENSBTAG000000034586	5.22E-10	5.13E-10		1.02E+00
ENSBTAG00000017421	6.05E-10	5.95E-10	SLC3A1	1.02E+00
ENSBTAG00000015436	2.95E-10	2.90E-10	SLC27A4	1.02E+00
ENSBTAG00000004352	3.41E-10	3.35E-10	SLC5A7	1.02E+00
ENSBTAG00000016573	2.26E-10	2.22E-10		1.02E+00
ENSBTAG00000020313	3.86E-10	3.78E-10	FNBP1	1.02E+00
ENSBTAG00000009017	2.71E-10	2.66E-10	NR5A1	1.02E+00
ENSBTAG00000016534	2.58E-10	2.53E-10		1.02E+00
ENSBTAG000000046379	1.91E-10	1.87E-10	SLC34A3	1.02E+00
ENSBTAG00000008223	3.45E-10	3.37E-10	NLRC4	1.02E+00
ENSBTAG00000007808	4.77E-10	4.65E-10	ANTXR1	1.03E+00
ENSBTAG00000000933	4.96E-10	4.84E-10	CCDC183	1.02E+00
ENSBTAG00000016365	5.91E-10	5.76E-10	ABCG5	1.03E+00
ENSBTAG00000006025	2.13E-10	2.08E-10	AHSA2	1.03E+00
ENSBTAG00000016218	3.37E-10	3.27E-10	PTGES2	1.03E+00
ENSBTAG00000017318	2.68E-10	2.60E-10	TMEM178A	1.03E+00
ENSBTAG000000008703	3.73E-10	3.62E-10	EIF2AK2	1.03E+00
ENSBTAG00000012394	4.86E-10	4.71E-10	CCDC85A	1.03E+00
ENSBTAG00000003906	1.68E-10	1.62E-10	SUPT7L	1.03E+00
ENSBTAG00000025274	4.38E-10	4.24E-10	TUBB4B	1.03E+00
ENSBTAG00000017473	4.64E-10	4.49E-10	LAMC3	1.03E+00
ENSBTAG00000011317	1.34E-10	1.30E-10	GOLGA2	1.03E+00
ENSBTAG00000005614	2.06E-10	1.99E-10	UXS1	1.03E+00
ENSBTAG00000018705	1.65E-10	1.60E-10	ADCY3	1.03E+00
ENSBTAG00000009649	3.24E-10	3.11E-10	DRC1	1.04E+00
ENSBTAG00000003530	1.96E-10	1.88E-10	DDX31	1.04E+00
ENSBTAG00000007734	1.26E-10	1.21E-10	MEMO1	1.04E+00
ENSBTAG00000015865	4.35E-10	4.16E-10	CAPN14	1.04E+00
ENSBTAG00000005257	2.06E-10	1.97E-10	PEX13	1.04E+00
ENSBTAG00000032519	4.43E-10	4.22E-10	CAMKMT	1.05E+00
ENSBTAG00000008987	2.37E-10	2.26E-10	SOCS5	1.05E+00
ENSBTAG000000039573	7.25E-10	6.89E-10	RABL6	1.05E+00
ENSBTAG00000010935	2.05E-10	1.95E-10	EML4	1.05E+00
ENSBTAG00000015037	3.04E-10	2.89E-10	GAREM2	1.05E+00
ENSBTAG00000019979	1.94E-10	1.83E-10	CMPK2	1.06E+00
ENSBTAG00000019017	1.10E-09	1.04E-09	IFITM1	1.06E+00
ENSBTAG00000014149	6.51E-10	6.14E-10	LCN2	1.06E+00
ENSBTAG00000008267	7.41E-10	6.99E-10	CNOT11	1.06E+00
ENSBTAG00000009510	7.36E-10	6.94E-10	ADRA2B	1.06E+00
ENSBTAG00000001840	1.20E-10	1.14E-10		1.05E+00
ENSBTAG00000047254	2.82E-10	2.65E-10	ABCA2	1.07E+00
ENSBTAG00000034657	9.78E-10	9.17E-10	MAL	1.07E+00
ENSBTAG00000009020	2.70E-10	2.53E-10	CRIM1	1.07E+00
ENSBTAG00000002742	6.70E-10	6.22E-10	MSH2	1.08E+00
ENSBTAG00000012735	2.58E-10	2.39E-10	CFAP157	1.08E+00
ENSBTAG00000001321	3.67E-10	3.40E-10	IL1B	1.08E+00
ENSBTAG00000009021	6.31E-10	5.82E-10	FEZ2	1.08E+00

ENSBTAG00000012519	2.90E-10	2.67E-10	XDH	1.08E+00
ENSBTAG00000020947	2.68E-10	2.46E-10	RNF103	1.09E+00
ENSBTAG00000007379	3.38E-10	3.11E-10	ALK	1.09E+00
ENSBTAG00000008548	1.71E-10	1.57E-10	FAM98A	1.09E+00
ENSBTAG00000000111	1.62E-10	1.49E-10	UGP2	1.09E+00
ENSBTAG00000012637	4.46E-10	4.07E-10	C2orf40	1.10E+00
ENSBTAG00000039225	1.01E-09	9.20E-10		1.09E+00
ENSBTAG00000023929	1.52E-10	1.38E-10	FOSL2	1.10E+00
ENSBTAG00000018975	2.98E-10	2.71E-10	KCNT1	1.10E+00
ENSBTAG00000014877	8.67E-10	7.88E-10	UNC50	1.10E+00
ENSBTAG00000011307	1.36E-10	1.23E-10	DNM1	1.10E+00
ENSBTAG00000012121	3.55E-10	3.21E-10	NOXA1	1.11E+00
ENSBTAG00000011643	2.09E-10	1.88E-10	SOS1	1.11E+00
ENSBTAG00000013030	3.76E-10	3.40E-10	LRRC8A	1.10E+00
ENSBTAG00000020311	3.16E-10	2.85E-10	USP20	1.11E+00
ENSBTAG00000007508	2.52E-10	2.27E-10	SRBD1	1.11E+00
ENSBTAG00000037542	6.16E-10	5.53E-10		1.11E+00
ENSBTAG00000020297	1.33E-10	1.20E-10	PQLC3	1.11E+00
ENSBTAG00000001141	5.68E-10	5.09E-10	ADAM17	1.12E+00
ENSBTAG00000027932	2.10E-10	1.87E-10	BIRC6	1.12E+00
ENSBTAG00000010271	1.18E-10	1.05E-10	MAPKAP1	1.12E+00
ENSBTAG00000046536	1.23E-09	1.11E-09		1.11E+00
ENSBTAG00000019295	3.28E-10	2.93E-10	MDH1	1.12E+00
ENSBTAG00000018153	1.57E-10	1.40E-10	NRBP1	1.12E+00
ENSBTAG00000016167	2.35E-10	2.09E-10	ATL2	1.13E+00
ENSBTAG00000013861	5.25E-10	4.67E-10	SLC8A1	1.12E+00
ENSBTAG00000009299	1.68E-10	1.49E-10	AFTPH	1.12E+00
ENSBTAG00000006305	4.99E-10	4.44E-10	AK1	1.12E+00
ENSBTAG00000024042	1.70E-10	1.51E-10	MORN2	1.12E+00
ENSBTAG00000002288	1.14E-09	1.02E-09	NT5DC4	1.12E+00
ENSBTAG00000018710	6.64E-10	5.89E-10	TTF1	1.13E+00
ENSBTAG00000020490	5.14E-10	4.55E-10	NACC2	1.13E+00
ENSBTAG00000014391	1.53E-10	1.35E-10	CRB2	1.13E+00
ENSBTAG00000017976	2.40E-10	2.12E-10	ABL1	1.13E+00
ENSBTAG00000006716	6.94E-10	6.11E-10	PTGS1	1.14E+00
ENSBTAG00000010604	8.82E-11	7.78E-11	PNO1	1.13E+00
ENSBTAG00000008674	1.84E-10	1.63E-10		1.13E+00
ENSBTAG00000021205	2.84E-10	2.49E-10	PLPP7	1.14E+00
ENSBTAG00000000054	2.09E-10	1.84E-10	SNAPC4	1.14E+00
ENSBTAG00000018193	2.59E-10	2.27E-10	KCNK3	1.14E+00
ENSBTAG00000034255	4.77E-10	4.18E-10	EIF5B	1.14E+00
ENSBTAG00000020305	2.38E-10	2.08E-10	TOR1A	1.14E+00
ENSBTAG00000003408	7.14E-10	6.23E-10		1.15E+00
ENSBTAG00000008973	2.04E-10	1.78E-10	ASB6	1.15E+00
ENSBTAG00000015437	2.78E-10	2.43E-10	NTMT1	1.15E+00
ENSBTAG00000020791	4.66E-10	4.05E-10	RAPGEF1	1.15E+00
ENSBTAG00000015205	4.79E-10	4.16E-10	NCK2	1.15E+00
ENSBTAG00000020249	2.92E-10	2.54E-10	GLT6D1	1.15E+00
ENSBTAG00000019867	6.17E-10	5.34E-10	COMMD1	1.16E+00
ENSBTAG00000005688	4.09E-10	3.53E-10	MRPS2	1.16E+00
ENSBTAG00000017955	5.60E-10	4.86E-10		1.15E+00
ENSBTAG00000014166	6.26E-10	5.42E-10	POLR1B	1.15E+00
ENSBTAG00000013509	4.05E-10	3.51E-10	TTC16	1.16E+00
ENSBTAG00000012090	3.51E-10	3.04E-10		1.15E+00
ENSBTAG00000012156	5.40E-10	4.67E-10	NAIF1	1.16E+00
ENSBTAG00000011559	3.96E-10	3.43E-10	RPL7A	1.15E+00
ENSBTAG00000016368	3.09E-10	2.67E-10	LRPPRC	1.16E+00
ENSBTAG00000016442	4.44E-10	3.84E-10	MAP4K3	1.16E+00
ENSBTAG00000000115	2.30E-10	1.98E-10	VPSS4	1.16E+00
ENSBTAG00000018680	1.84E-10	1.59E-10		1.16E+00
ENSBTAG00000019453	3.88E-10	3.34E-10	PTGES	1.16E+00
ENSBTAG00000020646	2.09E-10	1.80E-10	ZC3H6	1.16E+00
ENSBTAG00000000295	3.34E-10	2.87E-10	CLHC1	1.16E+00
ENSBTAG00000038726	1.34E-09	1.16E-09		1.16E+00
ENSBTAG00000015723	1.66E-10	1.42E-10	CRIP1	1.17E+00
ENSBTAG00000009290	4.20E-10	3.60E-10	FAM161A	1.17E+00
ENSBTAG00000002866	1.85E-10	1.58E-10	RPIA	1.17E+00
ENSBTAG00000001354	2.58E-10	2.21E-10	INPP5E	1.17E+00
ENSBTAG00000018054	3.01E-10	2.57E-10	FABP1	1.17E+00
ENSBTAG00000005736	2.21E-10	1.89E-10	ADGRF3	1.17E+00

ENSBTAG00000020059	1.98E-10	1.68E-10	GEN1	1.18E+00
ENSBTAG00000021861	3.98E-10	3.38E-10	NELFB	1.18E+00
ENSBTAG00000017851	2.66E-10	2.26E-10	RXRA	1.18E+00
ENSBTAG00000013923	2.19E-10	1.85E-10	QPCT	1.19E+00
ENSBTAG00000016934	5.26E-10	4.46E-10	C2orf71	1.18E+00
ENSBTAG00000008033	3.81E-10	3.22E-10	PPP6C	1.18E+00
ENSBTAG00000015481	4.07E-10	3.43E-10	MTIF2	1.19E+00
ENSBTAG00000004507	1.86E-10	1.56E-10	FAM163B	1.19E+00
ENSBTAG00000013734	2.16E-10	1.81E-10	ATP6V1E2	1.19E+00
ENSBTAG00000038249	2.59E-10	2.17E-10	OR5C1	1.19E+00
ENSBTAG00000006760	7.51E-11	6.31E-11	OTX1	1.19E+00
ENSBTAG00000045659	4.65E-10	3.90E-10		1.19E+00
ENSBTAG00000016602	1.48E-10	1.25E-10	LBX2	1.19E+00
ENSBTAG00000015074	3.23E-10	2.71E-10	PTGDS	1.19E+00
ENSBTAG00000000848	1.07E-09	8.96E-10	SNRNP200	1.19E+00
ENSBTAG00000007895	2.02E-10	1.69E-10	SLC20A1	1.19E+00
ENSBTAG00000000490	1.38E-10	1.16E-10	RTKN	1.19E+00
ENSBTAG00000023697	4.74E-10	3.98E-10		1.19E+00
ENSBTAG00000022142	1.65E-10	1.39E-10		1.19E+00
ENSBTAG00000047964	1.75E-10	1.47E-10	TMEM210	1.19E+00
ENSBTAG00000004256	1.67E-10	1.41E-10		1.19E+00
ENSBTAG00000048054	2.46E-10	2.07E-10	UAP1L1	1.19E+00
ENSBTAG00000008308	1.36E-10	1.15E-10		1.19E+00
ENSBTAG000000038477	2.00E-10	1.68E-10	GGCX	1.19E+00
ENSBTAG00000013889	9.74E-10	8.16E-10	TMEM141	1.19E+00
ENSBTAG00000015575	4.91E-10	4.10E-10	TACR1	1.20E+00
ENSBTAG00000008241	1.11E-09	9.28E-10	MRPS5	1.20E+00
ENSBTAG00000021731	8.78E-10	7.33E-10	TGFBRAP1	1.20E+00
ENSBTAG00000031302	3.30E-10	2.75E-10	GCKR	1.20E+00
ENSBTAG00000005041	2.44E-10	2.03E-10	CIB4	1.20E+00
ENSBTAG00000024075	1.04E-09	8.56E-10	SLC9A4	1.21E+00
ENSBTAG00000006343	6.85E-10	5.65E-10	IL1R2	1.21E+00
ENSBTAG00000038584	6.06E-10	5.00E-10	OLFM1	1.21E+00
ENSBTAG00000012847	2.23E-10	1.84E-10	FAM129B	1.21E+00
ENSBTAG00000004887	2.19E-10	1.80E-10	DCTN1	1.22E+00
ENSBTAG00000006988	1.43E-10	1.16E-10	M1AP	1.23E+00
ENSBTAG00000021694	1.05E-10	8.55E-11	SPAST	1.23E+00
ENSBTAG00000021550	1.86E-10	1.52E-10	MAMDC4	1.22E+00
ENSBTAG00000002936	1.93E-10	1.58E-10		1.22E+00
ENSBTAG00000013254	1.43E-10	1.16E-10	XPO1	1.24E+00
ENSBTAG00000024000	3.74E-10	3.04E-10	ATOX8	1.23E+00
ENSBTAG00000015402	4.82E-10	3.91E-10	GREB1	1.23E+00
ENSBTAG00000023801	1.75E-10	1.42E-10	BARHL1	1.23E+00
ENSBTAG00000011558	2.02E-10	1.63E-10	GPAT2	1.24E+00
ENSBTAG00000001928	1.19E-10	9.52E-11	PDIA6	1.25E+00
ENSBTAG00000000156	1.76E-10	1.41E-10	LGALS1	1.25E+00
ENSBTAG00000017189	5.71E-10	4.58E-10	POLE4	1.25E+00
ENSBTAG00000012485	6.22E-10	4.98E-10	SPOUT1	1.25E+00
ENSBTAG00000037793	1.05E-09	8.38E-10		1.25E+00
ENSBTAG00000020614	3.07E-10	2.46E-10	PRKCE	1.25E+00
ENSBTAG00000020893	1.71E-10	1.36E-10	MATN3	1.26E+00
ENSBTAG00000039172	2.04E-10	1.62E-10	RABGAP1	1.26E+00
ENSBTAG00000010605	1.60E-10	1.27E-10	VAX2	1.26E+00
ENSBTAG00000018578	1.74E-10	1.38E-10	LOXL3	1.26E+00
ENSBTAG00000001730	6.26E-10	4.96E-10	ODF3	1.26E+00
ENSBTAG00000007837	2.29E-10	1.81E-10	SELENO1	1.27E+00
ENSBTAG00000022799	2.53E-10	2.00E-10	NOTCH1	1.26E+00
ENSBTAG00000038224	1.63E-10	1.28E-10	GDF7	1.27E+00
ENSBTAG00000039201	3.02E-10	2.37E-10		1.27E+00
ENSBTAG00000019510	1.45E-10	1.14E-10	EIF2B4	1.28E+00
ENSBTAG00000000992	9.75E-11	7.68E-11	BMP10	1.27E+00
ENSBTAG00000030675	8.66E-11	6.82E-11	PDCL	1.27E+00
ENSBTAG00000000046	1.65E-10	1.29E-10	SURF2	1.28E+00
ENSBTAG00000010582	3.28E-10	2.58E-10	BRD3	1.27E+00
ENSBTAG00000032051	6.86E-10	5.39E-10		1.27E+00
ENSBTAG00000025898	3.87E-10	3.03E-10	TBC1D8	1.28E+00
ENSBTAG00000005151	2.31E-10	1.81E-10	WDPCP	1.27E+00
ENSBTAG00000020865	3.69E-10	2.89E-10	PELI1	1.28E+00
ENSBTAG00000036101	4.79E-10	3.75E-10	CCBL1	1.28E+00
ENSBTAG00000039839	5.62E-10	4.39E-10	IL36RN	1.28E+00

ENSBTAG00000023776	3.80E-10	2.96E-10	C9orf116	1.28E+00
ENSBTAG00000012126	2.25E-10	1.75E-10	PNPLA7	1.28E+00
ENSBTAG000000031669	5.18E-10	4.03E-10		1.28E+00
ENSBTAG00000017576	6.86E-10	5.29E-10	ADGRD2	1.30E+00
ENSBTAG00000019354	5.61E-10	4.33E-10	PAX8	1.29E+00
ENSBTAG00000012449	4.23E-10	3.26E-10		1.30E+00
ENSBTAG00000013072	5.91E-10	4.54E-10	FUBP3	1.30E+00
ENSBTAG00000012844	2.30E-10	1.77E-10	LRSAM1	1.30E+00
ENSBTAG00000044064	2.90E-10	2.22E-10	RNF144A	1.30E+00
ENSBTAG00000010111	1.33E-10	1.02E-10		1.30E+00
ENSBTAG00000044021	1.46E-10	1.11E-10	FAM179A	1.32E+00
ENSBTAG00000046199	4.50E-10	3.42E-10		1.32E+00
ENSBTAG00000038835	5.17E-10	3.93E-10		1.32E+00
ENSBTAG00000002716	4.46E-10	3.39E-10	NOL10	1.32E+00
ENSBTAG00000006948	3.73E-10	2.83E-10	GARNL3	1.32E+00
ENSBTAG00000017469	1.89E-10	1.43E-10	CCDC88A	1.32E+00
ENSBTAG00000011124	1.22E-10	9.21E-11	LHX3	1.32E+00
ENSBTAG00000002542	9.45E-11	7.14E-11	KRCC1	1.32E+00
ENSBTAG00000015038	1.55E-10	1.17E-10	HADHA	1.32E+00
ENSBTAG00000039770	1.02E-10	7.72E-11	CEBPZ	1.32E+00
ENSBTAG00000009230	5.03E-10	3.80E-10	FBLN7	1.32E+00
ENSBTAG00000039186	3.69E-10	2.79E-10		1.32E+00
ENSBTAG00000046221	4.35E-10	3.28E-10	OR1Q1	1.33E+00
ENSBTAG00000034184	5.80E-10	4.38E-10	NMS	1.32E+00
ENSBTAG00000001206	7.00E-10	5.28E-10	LCN15	1.32E+00
ENSBTAG00000037746	1.56E-10	1.18E-10	SNRNP27	1.32E+00
ENSBTAG00000008946	3.80E-10	2.86E-10	CAPN13	1.33E+00
ENSBTAG00000040585	1.33E-10	9.98E-11	NR6A1	1.33E+00
ENSBTAG00000030296	1.85E-10	1.40E-10	LCNL1	1.32E+00
ENSBTAG00000046418	8.76E-10	6.60E-10	RNF224	1.33E+00
ENSBTAG00000005432	1.10E-10	8.28E-11	CAPG	1.32E+00
ENSBTAG00000023867	1.38E-10	1.03E-10	RC3H2	1.34E+00
ENSBTAG00000048155	7.84E-10	5.87E-10		1.34E+00
ENSBTAG00000018157	1.29E-10	9.64E-11	IFT172	1.34E+00
ENSBTAG00000005828	7.57E-10	5.64E-10	MERTK	1.34E+00
ENSBTAG00000012147	2.95E-10	2.20E-10	ARRDC1	1.34E+00
ENSBTAG00000023788	3.33E-10	2.48E-10	EXD3	1.34E+00
ENSBTAG00000015965	8.80E-10	6.54E-10	ZC3H8	1.35E+00
ENSBTAG00000005273	6.06E-10	4.49E-10	IL1R1	1.35E+00
ENSBTAG00000018799	3.77E-10	2.79E-10	GPSM1	1.35E+00
ENSBTAG00000010515	3.29E-10	2.44E-10	FBXW5	1.35E+00
ENSBTAG00000006027	1.71E-10	1.26E-10	USP34	1.36E+00
ENSBTAG00000013749	2.55E-10	1.88E-10	RHOQ	1.35E+00
ENSBTAG00000045514	1.10E-09	8.13E-10		1.36E+00
ENSBTAG00000047061	2.77E-10	2.04E-10		1.36E+00
ENSBTAG00000006075	5.72E-10	4.20E-10	SUCLG1	1.36E+00
ENSBTAG00000003902	3.28E-10	2.41E-10	ZNF512	1.36E+00
ENSBTAG00000030317	2.80E-10	2.05E-10	PPP1R26	1.36E+00
ENSBTAG00000010898	4.49E-10	3.29E-10	SLC30A6	1.37E+00
ENSBTAG00000024021	4.88E-10	3.56E-10		1.37E+00
ENSBTAG00000021102	4.27E-10	3.12E-10	GALM	1.37E+00
ENSBTAG00000024604	1.61E-10	1.18E-10		1.36E+00
ENSBTAG00000004168	1.81E-10	1.32E-10		1.37E+00
ENSBTAG00000007543	2.81E-10	2.04E-10	TAF1B	1.38E+00
ENSBTAG00000001927	4.04E-10	2.93E-10	ATP6V1C2	1.38E+00
ENSBTAG00000004881	3.35E-10	2.41E-10	MTHFD2	1.39E+00
ENSBTAG00000039878	7.02E-10	5.06E-10	C2orf78	1.39E+00
ENSBTAG00000003610	2.29E-10	1.65E-10	DENND1A	1.39E+00
ENSBTAG00000048125	2.09E-10	1.50E-10	ENTPD2	1.39E+00
ENSBTAG00000003409	1.58E-10	1.14E-10	FKBP1B	1.39E+00
ENSBTAG00000047167	6.28E-10	4.53E-10		1.39E+00
ENSBTAG00000021072	2.45E-10	1.76E-10	DTNB	1.39E+00
ENSBTAG00000015278	7.97E-11	5.74E-11	ARPC5L	1.39E+00
ENSBTAG00000000893	4.29E-10	3.08E-10		1.39E+00
ENSBTAG00000048142	5.13E-10	3.69E-10	GPR45	1.39E+00
ENSBTAG00000004695	1.29E-10	9.28E-11	CDK9	1.39E+00
ENSBTAG00000046419	4.74E-10	3.40E-10		1.40E+00
ENSBTAG00000023843	2.55E-10	1.83E-10	RALGPS1	1.39E+00
ENSBTAG00000005014	3.83E-10	2.73E-10	LCLAT1	1.40E+00
ENSBTAG00000001114	1.99E-10	1.42E-10	PRKD3	1.40E+00

ENSBTAG00000015093	6.81E-10	4.84E-10	ADAMTS13	1.41E+00
ENSBTAG00000008113	2.66E-10	1.89E-10	OSR1	1.41E+00
ENSBTAG00000017500	3.33E-10	2.36E-10	KCNK12	1.41E+00
ENSBTAG00000038011	4.31E-10	3.04E-10	SH3RF3	1.42E+00
ENSBTAG00000019458	5.20E-10	3.67E-10		1.42E+00
ENSBTAG00000015286	1.44E-10	1.02E-10	GOLGA1	1.41E+00
ENSBTAG00000009962	3.16E-10	2.22E-10	PDCL3	1.42E+00
ENSBTAG00000016722	5.37E-10	3.77E-10	PGGHG	1.42E+00
ENSBTAG00000016038	1.72E-10	1.21E-10	GCC2	1.42E+00
ENSBTAG00000021921	1.32E-10	9.22E-11	STRBP	1.43E+00
ENSBTAG00000002329	7.79E-10	5.47E-10	ASAP2	1.42E+00
ENSBTAG00000048286	2.90E-10	2.03E-10	E2F6	1.43E+00
ENSBTAG00000021187	3.20E-10	2.24E-10	ID2	1.43E+00
ENSBTAG00000000489	1.91E-10	1.34E-10	WDR54	1.43E+00
ENSBTAG00000015151	1.37E-10	9.57E-11	FOXN2	1.44E+00
ENSBTAG0000002033	5.01E-10	3.47E-10	UBXN2A	1.44E+00
ENSBTAG00000001824	4.53E-10	3.14E-10	SLC2A6	1.44E+00
ENSBTAG00000015719	2.95E-10	2.04E-10	PIGF	1.45E+00
ENSBTAG00000000985	1.06E-10	7.30E-11	RAB10	1.45E+00
ENSBTAG00000017460	4.32E-10	2.96E-10		1.46E+00
ENSBTAG00000014891	3.31E-10	2.27E-10	SRSF7	1.46E+00
ENSBTAG00000047816	1.95E-09	1.34E-09		1.46E+00
ENSBTAG00000003067	3.20E-10	2.18E-10	PSMB7	1.47E+00
ENSBTAG00000004095	2.96E-10	2.01E-10	FAM166A	1.47E+00
ENSBTAG00000004884	5.68E-10	3.85E-10	SLC4A5	1.47E+00
ENSBTAG00000004824	7.69E-10	5.21E-10	REEP1	1.48E+00
ENSBTAG00000015085	2.40E-10	1.63E-10	CLIC3	1.47E+00
ENSBTAG00000004948	3.85E-10	2.58E-10	FAM84A	1.49E+00
ENSBTAG00000035244	7.28E-10	4.86E-10	ANKRD39	1.50E+00
ENSBTAG00000018555	7.93E-10	5.29E-10	SFXN5	1.50E+00
ENSBTAG00000006558	2.93E-10	1.95E-10	SOHLH1	1.50E+00
ENSBTAG00000038440	1.07E-09	7.12E-10		1.51E+00
ENSBTAG00000015098	3.97E-10	2.64E-10	RABEPK	1.50E+00
ENSBTAG00000003407	1.92E-10	1.27E-10	SF3B6	1.51E+00
ENSBTAG00000030247	2.71E-10	1.78E-10	NSMF	1.52E+00
ENSBTAG00000017158	4.97E-10	3.25E-10	VSNL1	1.53E+00
ENSBTAG00000020307	2.79E-10	1.82E-10	C9orf78	1.53E+00
ENSBTAG00000018590	2.15E-10	1.40E-10	STRN	1.54E+00
ENSBTAG00000013290	3.27E-10	2.12E-10	DYSF	1.54E+00
ENSBTAG000000006019	7.54E-10	4.87E-10	FAM178B	1.55E+00
ENSBTAG00000018046	1.93E-10	1.25E-10		1.55E+00
ENSBTAG00000006852	7.03E-10	4.51E-10	ACYP2	1.56E+00
ENSBTAG00000004105	1.07E-09	6.84E-10	TMEM247	1.57E+00
ENSBTAG00000015587	1.26E-10	7.95E-11	TTC32	1.59E+00
ENSBTAG00000000382	3.24E-10	2.04E-10	MED27	1.59E+00
ENSBTAG00000001843	6.85E-11	4.31E-11	WBP1	1.59E+00
ENSBTAG000000034995	9.82E-11	6.18E-11	ITPRIPL1	1.59E+00
ENSBTAG00000020873	9.84E-11	6.20E-11	MAT2A	1.59E+00
ENSBTAG00000046516	3.71E-10	2.33E-10	FUT7	1.59E+00
ENSBTAG00000001352	3.67E-10	2.31E-10	SDCCAG3	1.59E+00
ENSBTAG00000015521	9.07E-11	5.71E-11	GEMIN6	1.59E+00
ENSBTAG00000020124	1.99E-10	1.25E-10	HTRA2	1.59E+00
ENSBTAG00000027017	4.05E-10	2.55E-10	SIX3	1.59E+00
ENSBTAG00000001105	3.22E-10	2.02E-10	ANXA4	1.59E+00
ENSBTAG000000038309	5.24E-10	3.29E-10		1.59E+00
ENSBTAG00000015097	3.11E-10	1.95E-10	CACFD1	1.59E+00
ENSBTAG00000046310	4.85E-10	3.05E-10		1.59E+00
ENSBTAG00000004663	1.82E-10	1.15E-10	TRUB2	1.59E+00
ENSBTAG00000014679	2.81E-10	1.77E-10	DHX57	1.59E+00
ENSBTAG00000004091	1.94E-10	1.22E-10	GTF3C4	1.59E+00
ENSBTAG00000020575	7.24E-10	4.54E-10	IFITM5	1.59E+00
ENSBTAG00000021549	2.27E-10	1.43E-10	PHPT1	1.59E+00
ENSBTAG000000047728	5.22E-10	3.28E-10		1.59E+00
ENSBTAG00000030278	8.92E-10	5.60E-10		1.59E+00
ENSBTAG00000020894	1.28E-10	8.04E-11	LAPTM4A	1.59E+00
ENSBTAG00000001108	2.04E-10	1.28E-10	GMCL1	1.60E+00
ENSBTAG00000004400	2.45E-10	1.52E-10	PRRC2B	1.61E+00
ENSBTAG00000009600	6.07E-10	3.77E-10	STAMPB	1.61E+00
ENSBTAG00000031332	1.71E-10	1.06E-10	RBKS	1.62E+00
ENSBTAG00000003861	3.02E-10	1.86E-10	GPATCH11	1.62E+00

ENSBTAG0000002803	9.74E-10	6.01E-10	SULT1C3	1.62E+00
ENSBTAG00000015659	5.58E-10	3.43E-10	CIAO1	1.63E+00
ENSBTAG00000047449	9.09E-10	5.50E-10		1.65E+00
ENSBTAG00000016061	1.28E-10	7.75E-11	RSAD2	1.65E+00
ENSBTAG00000018267	9.67E-11	5.84E-11	TRIM54	1.65E+00
ENSBTAG00000019839	3.51E-10	2.12E-10	LTBP1	1.66E+00
ENSBTAG00000001353	3.92E-10	2.36E-10	PMPCA	1.66E+00
ENSBTAG00000047202	2.34E-10	1.41E-10	GRIN1	1.66E+00
ENSBTAG00000008068	3.57E-10	2.14E-10	ERLEC1	1.67E+00
ENSBTAG00000014668	3.94E-10	2.36E-10	NAGK	1.67E+00
ENSBTAG00000027991	5.43E-10	3.25E-10	ANAPC1	1.67E+00
ENSBTAG00000016148	8.97E-10	5.33E-10		1.68E+00
ENSBTAG00000019072	9.32E-10	5.53E-10	PSD4	1.69E+00
ENSBTAG00000009343	2.32E-10	1.37E-10	AAK1	1.69E+00
ENSBTAG00000021896	3.17E-10	1.86E-10	NUP214	1.70E+00
ENSBTAG00000008232	2.61E-10	1.53E-10	DAB2IP	1.70E+00
ENSBTAG00000004296	3.02E-10	1.77E-10	MORN5	1.71E+00
ENSBTAG00000007675	2.90E-10	1.69E-10	NPHP1	1.71E+00
ENSBTAG00000015667	6.35E-10	3.70E-10	TMEM127	1.72E+00
ENSBTAG00000021373	2.96E-10	1.72E-10	GTF3C5	1.72E+00
ENSBTAG00000003205	2.31E-10	1.34E-10		1.72E+00
ENSBTAG00000024980	4.37E-10	2.54E-10	VIT	1.72E+00
ENSBTAG00000008707	2.04E-10	1.18E-10	SULT6B1	1.73E+00
ENSBTAG00000023885	1.39E-10	8.05E-11	ZNF79	1.72E+00
ENSBTAG00000006482	5.94E-10	3.42E-10	PTCD3	1.74E+00
ENSBTAG00000034384	7.81E-10	4.49E-10	VWA3B	1.74E+00
ENSBTAG00000038116	1.92E-10	1.10E-10	TGOLN2	1.74E+00
ENSBTAG00000007492	2.90E-10	1.66E-10	ADAMTSL2	1.75E+00
ENSBTAG00000019628	1.11E-10	6.35E-11	EDAR	1.75E+00
ENSBTAG00000047807	1.87E-10	1.07E-10	SAPCD2	1.74E+00
ENSBTAG00000023933	3.26E-10	1.86E-10	SEC16A	1.75E+00
ENSBTAG00000020630	2.51E-10	1.43E-10	KCMF1	1.75E+00
ENSBTAG00000007689	2.45E-10	1.39E-10	LPIN1	1.76E+00
ENSBTAG00000020799	4.56E-10	2.58E-10	EXOC6B	1.77E+00
ENSBTAG00000008269	3.76E-10	2.12E-10	RNF149	1.77E+00
ENSBTAG00000006861	7.31E-10	4.12E-10	C2orf73	1.78E+00
ENSBTAG00000001042	1.30E-10	7.26E-11	MXD1	1.79E+00
ENSBTAG00000010531	1.34E-10	7.49E-11	CYP1B1	1.79E+00
ENSBTAG00000012480	1.65E-10	9.22E-11	TBC1D13	1.79E+00
ENSBTAG000000019138	1.07E-10	6.05E-11	KIF3C	1.77E+00
ENSBTAG00000019701	2.76E-10	1.54E-10		1.79E+00
ENSBTAG00000012148	3.58E-10	1.99E-10	EHMT1	1.80E+00
ENSBTAG00000048041	7.45E-10	4.15E-10	ACTR1B	1.79E+00
ENSBTAG00000003975	5.21E-10	2.89E-10	LMAN2L	1.80E+00
ENSBTAG00000007963	3.36E-10	1.86E-10	KIDINS220	1.81E+00
ENSBTAG00000003963	7.88E-10	4.35E-10	FER1L5	1.81E+00
ENSBTAG00000002044	5.05E-10	2.79E-10	SIRT3	1.81E+00
ENSBTAG000000044129	1.23E-10	6.76E-11	ST6GALNAC6	1.82E+00
ENSBTAG00000006008	1.94E-10	1.06E-10	CAMSAP1	1.83E+00
ENSBTAG00000005525	1.97E-10	1.07E-10	LHX6	1.84E+00
ENSBTAG00000020567	9.58E-11	5.21E-11	HNRNPLL	1.84E+00
ENSBTAG00000005189	2.72E-10	1.48E-10	SPACA9	1.84E+00
ENSBTAG00000024044	6.19E-10	3.36E-10	CDKL4	1.84E+00
ENSBTAG00000024058	2.32E-10	1.25E-10	EGR4	1.85E+00
ENSBTAG000000047112	6.12E-10	3.29E-10		1.86E+00
ENSBTAG00000002965	2.60E-10	1.40E-10	NEURL3	1.86E+00
ENSBTAG00000011101	8.51E-10	4.58E-10	EML6	1.86E+00
ENSBTAG00000010388	4.73E-10	2.54E-10	MGAT4A	1.86E+00
ENSBTAG00000024105	5.36E-10	2.87E-10	BCL2L11	1.87E+00
ENSBTAG00000003711	3.55E-10	1.90E-10	EPAS1	1.87E+00
ENSBTAG00000023797	2.46E-10	1.32E-10	PRDM12	1.87E+00
ENSBTAG00000011154	2.50E-10	1.34E-10	SDC1	1.86E+00
ENSBTAG00000007485	2.29E-10	1.22E-10	GRHL1	1.87E+00
ENSBTAG00000030384	1.93E-10	1.03E-10		1.87E+00
ENSBTAG00000019515	2.71E-10	1.44E-10	SNX17	1.88E+00
ENSBTAG00000005892	7.81E-10	4.13E-10	ZAP70	1.89E+00
ENSBTAG00000021141	3.52E-10	1.86E-10	CD8A	1.89E+00
ENSBTAG00000005190	3.03E-10	1.60E-10	TSC1	1.89E+00
ENSBTAG00000003108	2.79E-10	1.47E-10	SRD5A2	1.90E+00
ENSBTAG00000012212	3.47E-10	1.82E-10	CYP26B1	1.90E+00

ENSBTAG00000004511	9.75E-10	5.09E-10	VAV2	1.92E+00
ENSBTAG00000007235	4.41E-10	2.30E-10	NTNG2	1.92E+00
ENSBTAG00000007486	2.68E-10	1.40E-10	CEL	1.92E+00
ENSBTAG00000018269	1.50E-10	7.78E-11	MPV17	1.93E+00
ENSBTAG00000038691	3.73E-10	1.94E-10	DPH7	1.92E+00
ENSBTAG00000007763	2.52E-10	1.31E-10	SLC1A4	1.92E+00
ENSBTAG00000046548	1.97E-10	1.01E-10	ST6GALNAC4	1.95E+00
ENSBTAG00000006957	2.00E-10	1.03E-10	SLC2A8	1.94E+00
ENSBTAG00000010208	1.55E-10	7.97E-11	ZER1	1.95E+00
ENSBTAG00000011104	2.98E-10	1.51E-10	RTN4	1.97E+00
ENSBTAG00000021735	3.46E-10	1.74E-10	GALNT14	1.99E+00
ENSBTAG00000018262	1.28E-10	6.45E-11	DNAJC5G	1.98E+00
ENSBTAG00000014072	5.33E-10	2.68E-10		1.99E+00
ENSBTAG00000002545	4.51E-10	2.26E-10		1.99E+00
ENSBTAG00000001086	6.58E-10	3.29E-10	FHL2	2.00E+00
ENSBTAG00000001408	1.11E-10	5.53E-11	CNRIP1	2.01E+00
ENSBTAG00000012779	6.79E-10	3.38E-10	FAM49A	2.01E+00
ENSBTAG00000010349	3.21E-10	1.60E-10	IL1A	2.01E+00
ENSBTAG00000000168	3.35E-09	1.66E-09		2.02E+00
ENSBTAG00000001034	5.40E-10	2.67E-10	IL18R1	2.02E+00
ENSBTAG00000013023	4.16E-10	2.04E-10	MAP4K4	2.04E+00
ENSBTAG00000019513	1.97E-10	9.66E-11	C9orf50	2.04E+00
ENSBTAG00000018256	1.70E-10	8.30E-11	SMC6	2.05E+00
ENSBTAG00000018542	7.24E-10	3.53E-10		2.05E+00
ENSBTAG00000018239	1.23E-10	5.98E-11	DNAJC27	2.06E+00
ENSBTAG00000017448	3.30E-10	1.60E-10	EFEMP1	2.06E+00
ENSBTAG00000038278	1.60E-09	7.78E-10		2.06E+00
ENSBTAG00000011172	7.84E-10	3.81E-10	ALMS1	2.06E+00
ENSBTAG00000010228	1.78E-10	8.64E-11	LMX1B	2.06E+00
ENSBTAG00000010083	1.95E-10	9.40E-11	HADHB	2.07E+00
ENSBTAG00000004259	6.95E-10	3.35E-10	HPCAL1	2.07E+00
ENSBTAG00000039263	6.58E-10	3.18E-10		2.07E+00
ENSBTAG00000046223	2.83E-10	1.36E-10		2.08E+00
ENSBTAG00000003691	3.19E-10	1.52E-10	NTSR2	2.10E+00
ENSBTAG00000031335	1.99E-10	9.48E-11	BRE	2.10E+00
ENSBTAG00000001947	1.48E-10	6.98E-11	ZNF514	2.12E+00
ENSBTAG00000046117	2.66E-10	1.26E-10		2.11E+00
ENSBTAG00000010849	4.60E-10	2.17E-10	ANKRD23	2.12E+00
ENSBTAG00000012949	1.12E-10	5.29E-11	GKN1	2.12E+00
ENSBTAG00000010971	1.89E-10	8.92E-11		2.12E+00
ENSBTAG00000003965	4.55E-10	2.15E-10	LIPT1	2.12E+00
ENSBTAG00000023163	1.91E-10	9.00E-11		2.12E+00
ENSBTAG00000021230	4.43E-10	2.08E-10	SFTPB	2.13E+00
ENSBTAG00000009906	8.03E-10	3.75E-10	DDX1	2.14E+00
ENSBTAG00000038369	1.06E-09	4.96E-10	SULT1C2	2.14E+00
ENSBTAG00000006989	1.48E-10	6.87E-11	SEMA4F	2.15E+00
ENSBTAG00000019456	1.64E-10	7.63E-11	SPRED2	2.15E+00
ENSBTAG00000013589	3.69E-10	1.71E-10		2.16E+00
ENSBTAG00000013242	4.17E-10	1.92E-10	TMEM8C	2.17E+00
ENSBTAG00000015375	2.13E-10	9.76E-11	SH2D3C	2.18E+00
ENSBTAG00000017283	7.08E-11	3.24E-11	GTF3C2	2.18E+00
ENSBTAG00000016600	1.42E-10	6.51E-11	CCDC142	2.18E+00
ENSBTAG00000005847	1.87E-10	8.55E-11	ROCK2	2.18E+00
ENSBTAG00000021161	7.55E-10	3.43E-10	CREG2	2.20E+00
ENSBTAG00000011601	3.24E-10	1.47E-10	ST3GAL5	2.21E+00
ENSBTAG00000016720	2.13E-10	9.66E-11	RAB1A	2.21E+00
ENSBTAG00000010990	1.29E-10	5.75E-11	LHX2	2.24E+00
ENSBTAG00000016270	1.59E-10	7.13E-11		2.22E+00
ENSBTAG00000021143	1.65E-10	7.40E-11	DNMT3A	2.23E+00
ENSBTAG00000004510	6.19E-10	2.75E-10	SARDH	2.25E+00
ENSBTAG00000002837	2.93E-10	1.30E-10	TOR1B	2.25E+00
ENSBTAG00000019522	1.48E-10	6.57E-11	PPM1G	2.26E+00
ENSBTAG00000003555	2.94E-10	1.30E-10	THADA	2.26E+00
ENSBTAG00000024061	7.45E-10	3.28E-10	NOTO	2.27E+00
ENSBTAG00000030566	2.02E-10	8.86E-11	GLE1	2.27E+00
ENSBTAG00000006150	7.21E-10	3.16E-10	MRPS9	2.28E+00
ENSBTAG00000010623	3.98E-10	1.74E-10	ANKRD53	2.29E+00
ENSBTAG00000018669	2.68E-10	1.17E-10	PLB1	2.29E+00
ENSBTAG00000000223	1.91E-10	8.28E-11	PPM1B	2.30E+00
ENSBTAG00000001744	5.51E-10	2.38E-10	BET1L	2.31E+00

ENSBTAG00000021181	7.93E-10	3.42E-10	BUB1	2.32E+00
ENSBTAG00000004674	2.00E-10	8.65E-11	HAAO	2.32E+00
ENSBTAG00000018196	1.68E-10	7.13E-11	WDR43	2.35E+00
ENSBTAG00000030567	2.06E-10	8.76E-11	ODF2	2.35E+00
ENSBTAG00000002108	2.72E-10	1.15E-10	YWHAQ	2.36E+00
ENSBTAG00000011155	2.78E-10	1.18E-10	PUM2	2.36E+00
ENSBTAG00000004204	3.43E-10	1.44E-10	GPR107	2.38E+00
ENSBTAG00000023744	1.73E-10	7.27E-11	YPEL5	2.38E+00
ENSBTAG00000008985	1.67E-10	7.00E-11	PCBP1	2.38E+00
ENSBTAG00000023860	2.62E-10	1.10E-10		2.38E+00
ENSBTAG00000018164	1.23E-10	5.15E-11	FNDC4	2.38E+00
ENSBTAG00000001903	1.64E-10	6.90E-11	C2orf50	2.38E+00
ENSBTAG00000019213	7.19E-10	3.01E-10	CNNM4	2.39E+00
ENSBTAG00000025161	5.24E-10	2.19E-10	AGPAT2	2.39E+00
ENSBTAG00000030834	4.80E-10	2.01E-10		2.39E+00
ENSBTAG00000019518	1.42E-10	5.95E-11	ZNF513	2.38E+00
ENSBTAG00000048207	5.09E-10	2.13E-10	C2orf15	2.39E+00
ENSBTAG00000038796	5.29E-10	2.21E-10		2.39E+00
ENSBTAG00000010620	3.54E-10	1.48E-10	ATP6V1B1	2.39E+00
ENSBTAG00000012772	6.08E-10	2.54E-10	GFI1B	2.39E+00
ENSBTAG00000043999	5.61E-10	2.34E-10	REV1	2.40E+00
ENSBTAG00000001866	3.91E-10	1.62E-10	EMX1	2.42E+00
ENSBTAG00000020669	4.47E-10	1.84E-10	PROKR1	2.43E+00
ENSBTAG00000022381	4.49E-10	1.85E-10	TET3	2.43E+00
ENSBTAG000000009761	1.03E-10	4.23E-11	ACTR2	2.43E+00
ENSBTAG00000019459	4.49E-10	1.85E-10	CHAC2	2.43E+00
ENSBTAG00000012144	4.47E-10	1.83E-10	ZMYND19	2.44E+00
ENSBTAG00000012827	5.67E-10	2.30E-10		2.47E+00
ENSBTAG00000021140	4.42E-10	1.79E-10	RMND5A	2.47E+00
ENSBTAG00000019721	2.49E-10	1.00E-10	REXO4	2.49E+00
ENSBTAG00000020262	4.01E-10	1.62E-10	PSME4	2.48E+00
ENSBTAG00000040093	4.68E-10	1.88E-10	FOXI3	2.49E+00
ENSBTAG000000032521	3.62E-10	1.45E-10	PLEKHH2	2.50E+00
ENSBTAG00000002042	3.38E-10	1.35E-10	RIC8A	2.50E+00
ENSBTAG00000007135	6.12E-10	2.44E-10		2.51E+00
ENSBTAG00000010846	9.22E-10	3.64E-10	CNNM3	2.53E+00
ENSBTAG00000007882	3.91E-10	1.54E-10	CACNA1B	2.54E+00
ENSBTAG00000016794	6.92E-10	2.73E-10	SLC10A6	2.53E+00
ENSBTAG00000000152	1.74E-10	6.85E-11	RANBP2	2.53E+00
ENSBTAG000000012332	6.07E-10	2.38E-10	C2orf49	2.55E+00
ENSBTAG00000019983	1.99E-10	7.77E-11		2.56E+00
ENSBTAG00000008956	3.79E-10	1.46E-10	CD8B	2.59E+00
ENSBTAG00000016032	4.39E-10	1.70E-10		2.58E+00
ENSBTAG000000006963	2.62E-10	1.02E-10		2.57E+00
ENSBTAG00000010810	1.97E-10	7.63E-11	UCK1	2.58E+00
ENSBTAG00000017255	3.57E-10	1.37E-10	ATAD2B	2.61E+00
ENSBTAG000000032905	5.13E-10	1.97E-10	RMDN2	2.61E+00
ENSBTAG000000002319	3.60E-10	1.38E-10	HMCN2	2.60E+00
ENSBTAG00000023976	2.94E-10	1.12E-10	ARHGAP25	2.62E+00
ENSBTAG00000019470	2.55E-10	9.69E-11	NEK6	2.63E+00
ENSBTAG00000011176	2.45E-10	9.24E-11	TPRKB	2.65E+00
ENSBTAG000000021920	3.51E-10	1.31E-10	SEMA4C	2.68E+00
ENSBTAG00000008006	4.23E-10	1.58E-10	RASGRP3	2.68E+00
ENSBTAG00000011556	3.37E-10	1.26E-10	MED22	2.67E+00
ENSBTAG00000011381	1.64E-10	6.06E-11	SLC30A3	2.70E+00
ENSBTAG00000018289	3.03E-10	1.12E-10	TMEM150A	2.71E+00
ENSBTAG00000004328	8.61E-10	3.17E-10	CHST10	2.72E+00
ENSBTAG00000006744	3.80E-10	1.39E-10	TMEM131	2.73E+00
ENSBTAG00000047998	4.96E-10	1.79E-10	COL5A1	2.77E+00
ENSBTAG00000001113	2.40E-10	8.64E-11	NDUFAF7	2.78E+00
ENSBTAG00000031014	3.86E-10	1.37E-10	LDHAH	2.81E+00
ENSBTAG00000015327	2.12E-10	7.53E-11	SPTAN1	2.81E+00
ENSBTAG000000021928	3.54E-10	1.24E-10	FAM69B	2.85E+00
ENSBTAG00000000102	4.31E-10	1.50E-10	GPR75	2.87E+00
ENSBTAG00000016939	1.36E-10	4.75E-11	C2orf42	2.87E+00
ENSBTAG00000004848	3.00E-10	1.04E-10	OLFML2A	2.89E+00
ENSBTAG00000018576	5.39E-10	1.86E-10	DPYSL5	2.90E+00
ENSBTAG000000032558	3.80E-10	1.31E-10	TTC7A	2.90E+00
ENSBTAG00000002557	1.05E-09	3.59E-10	MRPL19	2.91E+00
ENSBTAG00000024091	2.34E-10	8.01E-11	MALL	2.92E+00



ENSBTAG00000021961	8.22E-10	2.80E-10	SPR	2.93E+00
ENSBTAG00000012759	2.81E-10	9.54E-11	FBXO41	2.94E+00
ENSBTAG00000006995	5.02E-10	1.70E-10	SPTBN1	2.95E+00
ENSBTAG00000004497	3.23E-10	1.09E-10	KANSL3	2.96E+00
ENSBTAG00000001714	5.53E-10	1.86E-10	MFSD9	2.97E+00
ENSBTAG00000009650	4.01E-10	1.34E-10	OTOF	2.99E+00
ENSBTAG00000016717	3.49E-10	1.16E-10	CEP68	3.01E+00
ENSBTAG00000002582	6.25E-10	2.08E-10	LYG2	3.01E+00
ENSBTAG00000006481	4.25E-10	1.41E-10	POLR1A	3.01E+00
ENSBTAG00000017894	7.25E-11	2.40E-11	CAD	3.01E+00
ENSBTAG00000014310	4.37E-10	1.45E-10	HEATR5B	3.01E+00
ENSBTAG00000000157	1.31E-10	4.29E-11	CCDC138	3.04E+00
ENSBTAG00000002046	7.19E-10	2.35E-10		3.06E+00
ENSBTAG00000018372	4.04E-10	1.31E-10	STARD7	3.08E+00
ENSBTAG00000010619	4.28E-10	1.38E-10	PPP3R1	3.10E+00
ENSBTAG00000007378	5.11E-10	1.64E-10	CLIP4	3.11E+00
ENSBTAG00000018291	2.77E-10	8.71E-11	C2orf68	3.18E+00
ENSBTAG00000016599	1.06E-10	3.34E-11	MRPL53	3.17E+00
ENSBTAG00000010805	2.17E-10	6.82E-11	POMT1	3.18E+00
ENSBTAG00000047822	3.11E-10	9.77E-11		3.18E+00
ENSBTAG00000047610	3.17E-10	9.97E-11		3.18E+00
ENSBTAG00000016609	1.47E-10	4.63E-11	DQX1	3.17E+00
ENSBTAG00000015081	2.09E-10	6.57E-11	C9orf142	3.18E+00
ENSBTAG00000037739	6.88E-10	2.16E-10		3.19E+00
ENSBTAG00000045528	6.88E-10	2.16E-10	OR1B1	3.19E+00
ENSBTAG00000038665	7.00E-10	2.19E-10		3.19E+00
ENSBTAG00000004364	5.91E-10	1.84E-10	THNSL2	3.21E+00
ENSBTAG00000033998	7.22E-10	2.24E-10	RFX8	3.22E+00
ENSBTAG00000004531	1.02E-09	3.11E-10	CCT4	3.28E+00
ENSBTAG00000031347	1.57E-10	4.73E-11	SPDYA	3.31E+00
ENSBTAG00000020828	2.95E-10	8.85E-11		3.34E+00
ENSBTAG00000020747	4.93E-10	1.47E-10	ASS1	3.35E+00
ENSBTAG00000001952	6.93E-10	2.05E-10	PROM2	3.38E+00
ENSBTAG00000006162	5.66E-10	1.66E-10		3.41E+00
ENSBTAG00000019182	1.46E-10	4.25E-11	TIA1	3.42E+00
ENSBTAG00000014873	1.07E-09	3.12E-10	COA5	3.44E+00
ENSBTAG00000033748	5.10E-10	1.48E-10	IL18RAP	3.45E+00
ENSBTAG00000004140	3.05E-10	8.85E-11	STKLD1	3.44E+00
ENSBTAG00000003970	4.55E-10	1.30E-10	MITD1	3.50E+00
ENSBTAG00000001076	7.78E-10	2.21E-10	NLRP6	3.52E+00
ENSBTAG00000002045	9.19E-10	2.57E-10	PSMD13	3.58E+00
ENSBTAG00000009242	4.99E-10	1.40E-10	ZNF638	3.56E+00
ENSBTAG00000019018	6.95E-10	1.94E-10		3.58E+00
ENSBTAG00000017330	1.17E-09	3.26E-10		3.60E+00
ENSBTAG00000018571	5.61E-10	1.54E-10	IL1RL1	3.64E+00
ENSBTAG00000008726	2.38E-10	6.52E-11	NCS1	3.65E+00
ENSBTAG000000037812	2.89E-10	7.91E-11	RAD51AP2	3.65E+00
ENSBTAG00000001662	2.49E-10	6.77E-11	EHD3	3.68E+00
ENSBTAG00000007414	1.92E-10	5.16E-11	PAPOLG	3.71E+00
ENSBTAG00000010195	1.64E-10	4.41E-11	PKN3	3.71E+00
ENSBTAG00000002105	6.93E-10	1.87E-10		3.71E+00
ENSBTAG00000015343	2.58E-10	6.92E-11	WDR34	3.73E+00
ENSBTAG00000002298	5.92E-10	1.58E-10	CKAP2L	3.75E+00
ENSBTAG00000046280	3.94E-10	9.90E-11	C2orf16	3.98E+00
ENSBTAG00000019665	5.30E-10	1.33E-10	IL1RN	3.98E+00
ENSBTAG00000016367	3.46E-10	8.58E-11	RBM18	4.02E+00
ENSBTAG00000033255	1.02E-09	2.53E-10	DUSP11	4.03E+00
ENSBTAG00000000542	3.00E-10	7.27E-11	CFAP36	4.12E+00
ENSBTAG00000013108	5.09E-10	1.23E-10	HK2	4.13E+00
ENSBTAG00000002087	4.99E-10	1.19E-10	IL36A	4.19E+00
ENSBTAG00000030608	1.97E-10	4.65E-11	SWI5	4.23E+00
ENSBTAG00000008448	1.40E-10	3.27E-11	MEIS1	4.29E+00
ENSBTAG00000023938	3.57E-10	8.30E-11		4.29E+00
ENSBTAG00000009834	9.61E-10	2.19E-10	CNGA3	4.38E+00
ENSBTAG00000008909	3.75E-10	8.29E-11	PNPT1	4.52E+00
ENSBTAG00000031150	5.15E-10	1.12E-10	C2orf70	4.59E+00
ENSBTAG00000003438	1.66E-10	3.56E-11	ZBTB43	4.66E+00
ENSBTAG00000008764	5.35E-10	1.13E-10	SMYD5	4.74E+00
ENSBTAG00000003405	1.63E-10	3.41E-11	TP53I3	4.76E+00
ENSBTAG00000030540	1.57E-10	3.29E-11	ZDHHHC12	4.75E+00

ENSBTAG00000046137	5.27E-10	1.10E-10		4.79E+00
ENSBTAG00000015473	7.48E-10	1.56E-10	RPS27A	4.79E+00
ENSBTAG00000031828	7.55E-10	1.58E-10		4.78E+00
ENSBTAG00000014836	1.44E-09	2.99E-10		4.81E+00
ENSBTAG00000018285	5.97E-10	1.21E-10	VAMP5	4.93E+00
ENSBTAG00000014090	4.44E-10	8.84E-11	ARID5A	5.02E+00
ENSBTAG00000004814	7.30E-10	1.42E-10	INPP4A	5.14E+00
ENSBTAG00000031185	2.47E-10	4.78E-11	ATRAID	5.16E+00
ENSBTAG00000010691	6.13E-10	1.19E-10	USP39	5.15E+00
ENSBTAG00000038139	1.20E-10	2.16E-11	CERCAM	5.53E+00
ENSBTAG00000038949	9.04E-10	1.62E-10		5.58E+00
ENSBTAG00000000545	5.97E-10	1.02E-10	PPP4R3B	5.85E+00
ENSBTAG00000017626	3.41E-10	5.79E-11	GFPT1	5.88E+00
ENSBTAG00000020348	9.21E-10	1.53E-10	ASTL	6.01E+00
ENSBTAG00000004508	1.30E-09	2.09E-10	DBH	6.21E+00
ENSBTAG00000002088	5.45E-10	8.42E-11	IL36B	6.47E+00
ENSBTAG00000006832	2.06E-10	3.04E-11	SLC5A6	6.74E+00
ENSBTAG00000013676	3.23E-10	4.60E-11	DYNC2LI1	7.01E+00
ENSBTAG00000018012	4.57E-10	6.37E-11	IL1F10	7.16E+00
ENSBTAG00000011325	2.97E-10	4.06E-11	KHK	7.30E+00
ENSBTAG00000013314	2.50E-10	3.32E-11	PBX3	7.51E+00
ENSBTAG00000022461	3.76E-10	4.95E-11	10-Sep	7.59E+00
ENSBTAG00000023172	7.31E-11	9.56E-12	ITSN2	7.57E+00
ENSBTAG00000023851	1.69E-10	2.16E-11	FAM102A	7.80E+00
ENSBTAG00000012447	1.55E-10	1.98E-11	PPP1CB	7.78E+00
ENSBTAG00000004327	7.15E-10	9.12E-11	LONRF2	7.84E+00
ENSBTAG00000007077	1.18E-10	1.48E-11	ABHD1	7.91E+00
ENSBTAG00000017423	2.06E-10	2.46E-11	TMEM214	8.33E+00
ENSBTAG00000002783	7.83E-11	8.96E-12	PCYOX1	8.65E+00
ENSBTAG00000048071	4.18E-10	4.67E-11	EXOSC2	8.94E+00
ENSBTAG00000018991	4.61E-10	4.95E-11	TSGA10	9.30E+00
ENSBTAG00000012037	5.59E-10	5.72E-11	DGUOK	9.77E+00
ENSBTAG00000013675	6.18E-10	6.14E-11	IL37	1.00E+01
ENSBTAG00000001933	2.80E-10	2.61E-11	PTPA	1.07E+01
ENSBTAG00000011314	1.23E-09	1.13E-10		1.09E+01
ENSBTAG00000032775	2.12E-09	1.87E-10		1.13E+01
ENSBTAG00000037822	9.17E-10	7.16E-11		1.28E+01
ENSBTAG00000010613	1.57E-10	1.19E-11	NUP188	1.31E+01
ENSBTAG00000018554	1.58E-09	1.15E-10	GAPDH	1.37E+01
ENSBTAG00000024019	1.01E-09	7.15E-11		1.41E+01
ENSBTAG00000038831	1.84E-10	1.22E-11	PHYHD1	1.49E+01
ENSBTAG00000012756	1.07E-09	7.04E-11	CCT7	1.52E+01
ENSBTAG00000008884	3.73E-10	2.42E-11	MAPRE3	1.53E+01
ENSBTAG00000013403	1.82E-10	1.18E-11	AGBL5	1.53E+01
ENSBTAG00000008765	3.98E-10	2.50E-11	PRADC1	1.59E+01
ENSBTAG00000004567	2.69E-10	1.66E-11	C1D	1.61E+01
ENSBTAG00000000141	4.52E-10	2.50E-11	NFU1	1.80E+01
ENSBTAG00000010626	3.81E-10	1.81E-11	SH3GLB2	2.09E+01
ENSBTAG00000011324	2.78E-10	1.29E-11	EMILIN1	2.14E+01
ENSBTAG00000010653	4.72E-10	2.07E-11	MIGA2	2.27E+01
ENSBTAG00000003387	3.09E-10	1.18E-11	PIP5KL1	2.59E+01
ENSBTAG00000015441	4.82E-10	6.95E-12	ACTG2	6.83E+01
ENSBTAG00000020350	2.41E-10	0	DUSP2	2.42E+03
ENSBTAG00000001844	0	0	MOGS	1.00E+00
ENSBTAG000000047969	2.47E-10	0	NAT8	2.48E+03
ENSBTAG00000012984	4.58E-11	0		4.59E+02
ENSBTAG00000003553	1.79E-10	0	ZFP36L2	1.79E+03
ENSBTAG00000039476	4.12E-10	0		4.12E+03
ENSBTAG00000018156	9.93E-11	0	KRTCAP3	9.94E+02
ENSBTAG00000014813	1.38E-10	0	TCF23	1.38E+03
ENSBTAG00000007080	7.99E-11	0	PREB	8.00E+02
ENSBTAG00000011328	2.55E-10	0	CGREF1	2.55E+03
ENSBTAG00000000261	8.14E-11	0		8.15E+02
ENSBTAG00000030864	9.87E-11	0		9.88E+02
ENSBTAG00000003404	1.27E-10	0	PFN4	1.27E+03
ENSBTAG00000040296	7.50E-11	0	GPR21	7.51E+02
ENSBTAG00000003388	1.61E-10	0	DPM2	1.61E+03
ENSBTAG00000020959	1.28E-10	0	SET	1.29E+03
ENSBTAG00000017922	3.16E-10	0	DOLPP1	3.16E+03
ENSBTAG00000001932	1.85E-10	0	CRAT	1.85E+03

ENSBTAG00000046415	1.62E-10	0	SSNA1	1.62E+03
ENSBTAG00000045734	0	0	LRRC26	1.00E+00
ENSBTAG00000033887	3.49E-10	0	RPL36A-HNRNPH2	3.49E+03
ENSBTAG00000023736	1.01E-10	0	CDC42EP3	1.01E+03
ENSBTAG00000004076	6.91E-11	0	OXER1	6.92E+02
ENSBTAG00000047029	0	0		1.00E+00
ENSBTAG00000000374	5.25E-11	0	LRRTM4	5.26E+02
ENSBTAG00000018268	0	0	UCN	1.00E+00
ENSBTAG00000047596	6.84E-11	0	PRR30	6.85E+02
ENSBTAG00000046054	3.70E-11	0	RHOB	3.71E+02
ENSBTAG00000048065	2.63E-10	0		2.63E+03
ENSBTAG00000020660	8.67E-11	0		8.68E+02
ENSBTAG00000038551	6.16E-10	0		6.16E+03
ENSBTAG00000004667	1.98E-09	0		1.98E+04
ENSBTAG00000030677	2.61E-10	0		2.61E+03
ENSBTAG00000039343	5.34E-11	0	ZBTB34	5.35E+02
ENSBTAG00000023823	0	0		1.00E+00
ENSBTAG00000010601	1.96E-10	0	DOLK	1.96E+03
ENSBTAG00000017980	6.10E-10	0	QRFP	6.10E+03
ENSBTAG00000046122	0	0	NRARP	1.00E+00
ENSBTAG00000047357	1.02E-10	0	RNF208	1.02E+03
ENSBTAG00000046215	0	0	TMEM203	1.00E+00
ENSBTAG00000022484	0	1.44E-10	SOX21	6.94E-04
ENSBTAG00000046889	0	2.13E-10		4.69E-04
ENSBTAG00000003595	2.89E-10	9.39E-10	FAM216B	3.08E-01
ENSBTAG00000006759	1.78E-10	5.58E-10	SUCLA2	3.19E-01
ENSBTAG00000038268	2.52E-10	5.40E-10		4.68E-01
ENSBTAG00000001365	1.25E-10	2.62E-10		4.76E-01
ENSBTAG00000003511	3.32E-10	6.64E-10		5.00E-01
ENSBTAG00000019645	1.96E-10	3.77E-10		5.20E-01
ENSBTAG00000019963	1.99E-10	3.62E-10	GRK1	5.51E-01
ENSBTAG00000015132	5.35E-11	9.45E-11	RXFP2	5.67E-01
ENSBTAG00000018846	1.99E-10	3.04E-10		6.55E-01
ENSBTAG00000019965	2.75E-10	4.02E-10	TMEM255B	6.85E-01
ENSBTAG00000017573	1.08E-10	1.53E-10	RBM26	7.04E-01
ENSBTAG00000046271	1.46E-10	2.05E-10		7.13E-01
ENSBTAG00000019961	2.38E-10	3.23E-10	ATP4B	7.37E-01
ENSBTAG00000019971	1.20E-10	1.63E-10	CDC16	7.39E-01
ENSBTAG00000012849	3.32E-10	4.43E-10	COL4A1	7.49E-01
ENSBTAG00000020403	8.30E-11	1.08E-10	ZMYM2	7.69E-01
ENSBTAG00000001865	1.60E-10	2.08E-10	SGCG	7.68E-01
ENSBTAG00000011862	1.91E-10	2.40E-10		7.94E-01
ENSBTAG00000006645	2.22E-10	2.79E-10	LPAR6	7.94E-01
ENSBTAG00000047881	1.04E-10	1.31E-10		7.93E-01
ENSBTAG00000038272	7.38E-11	9.30E-11	SOX1	7.93E-01
ENSBTAG00000010769	1.63E-10	2.06E-10	GPR12	7.92E-01
ENSBTAG00000002137	4.07E-10	5.05E-10	SUGT1	8.06E-01
ENSBTAG00000018848	2.68E-10	3.28E-10	FBXL3	8.16E-01
ENSBTAG00000007356	3.25E-10	3.96E-10	ELF1	8.20E-01
ENSBTAG00000034495	2.47E-10	2.98E-10	GTF2F2	8.29E-01
ENSBTAG00000031962	2.36E-10	2.80E-10	RAB20	8.42E-01
ENSBTAG00000011726	2.21E-10	2.62E-10	CRYL1	8.43E-01
ENSBTAG00000014619	4.35E-10	5.13E-10	WASF3	8.48E-01
ENSBTAG00000034785	5.21E-10	6.13E-10	DNAJC15	8.50E-01
ENSBTAG00000008647	6.02E-10	6.93E-10	KLHL1	8.68E-01
ENSBTAG00000014406	1.66E-10	1.91E-10	LATS2	8.67E-01
ENSBTAG00000025246	1.63E-10	1.87E-10	ZIC2	8.71E-01
ENSBTAG00000012019	1.76E-10	2.00E-10	IRS2	8.80E-01
ENSBTAG00000000446	3.86E-10	4.35E-10	ATP11A	8.86E-01
ENSBTAG00000034753	4.04E-10	4.52E-10	CCDC122	8.93E-01
ENSBTAG00000001648	2.20E-10	2.46E-10		8.93E-01
ENSBTAG00000009912	9.61E-11	1.07E-10	PAN3	8.98E-01
ENSBTAG00000025210	5.78E-10	6.43E-10	COL4A2	8.99E-01
ENSBTAG00000010246	1.24E-10	1.38E-10	GRTP1	8.97E-01
ENSBTAG00000000869	2.74E-10	3.04E-10	RNF219	9.01E-01
ENSBTAG00000047764	4.19E-10	4.63E-10		9.04E-01
ENSBTAG00000046664	2.73E-10	3.01E-10		9.06E-01
ENSBTAG00000045907	5.41E-10	5.93E-10		9.12E-01
ENSBTAG00000001178	8.83E-11	9.67E-11	USPL1	9.13E-01
ENSBTAG00000021815	2.00E-10	2.17E-10	STAR13	9.22E-01

ENSBTAG00000007167	1.75E-10	1.89E-10		9.28E-01
ENSBTAG00000003934	1.81E-10	1.96E-10	PSPC1	9.26E-01
ENSBTAG000000012443	4.87E-10	5.19E-10	DIAPH3	9.38E-01
ENSBTAG00000003710	1.36E-10	1.45E-10	XPO4	9.38E-01
ENSBTAG000000018577	1.81E-10	1.92E-10	SLC7A1	9.40E-01
ENSBTAG000000002959	3.65E-10	3.86E-10	LRCH1	9.45E-01
ENSBTAG000000018237	3.29E-10	3.46E-10	MYO16	9.50E-01
ENSBTAG000000017179	1.34E-10	1.40E-10	USP12	9.55E-01
ENSBTAG000000018671	9.34E-11	9.81E-11	DCUN1D2	9.52E-01
ENSBTAG000000012170	3.01E-10	3.16E-10	UBL3	9.54E-01
ENSBTAG000000015704	1.57E-10	1.65E-10	TMCO3	9.50E-01
ENSBTAG000000008924	8.00E-10	8.34E-10	TNFSF11	9.60E-01
ENSBTAG000000017907	1.93E-10	2.02E-10	COG3	9.57E-01
ENSBTAG000000009405	5.10E-10	5.24E-10	TRPC4	9.73E-01
ENSBTAG000000019964	3.33E-10	3.43E-10	GAS6	9.70E-01
ENSBTAG000000013371	3.61E-10	3.70E-10	RUBCNL	9.76E-01
ENSBTAG000000003922	1.55E-10	1.58E-10	MPHOSPH8	9.79E-01
ENSBTAG000000007067	2.76E-10	2.81E-10	ZC3H13	9.83E-01
ENSBTAG000000003116	8.62E-11	8.79E-11	MTMR6	9.80E-01
ENSBTAG000000047383	1.15E-09	1.17E-09		9.83E-01
ENSBTAG000000008880	4.49E-10	4.55E-10	KDEL1	9.87E-01
ENSBTAG000000014043	4.64E-10	4.67E-10		9.93E-01
ENSBTAG000000015943	2.13E-10	2.14E-10	MICU2	9.93E-01
ENSBTAG000000025428	4.65E-10	4.66E-10		9.98E-01
ENSBTAG000000003415	2.50E-10	2.51E-10	ESD	9.96E-01
ENSBTAG000000013201	2.41E-10	2.40E-10	ALOX5AP	1.00E+00
ENSBTAG000000017289	3.28E-10	3.27E-10	MCF2L	1.00E+00
ENSBTAG000000001094	4.78E-10	4.77E-10	MTUS2	1.00E+00
ENSBTAG000000010395	4.81E-10	4.78E-10	DOCK9	1.01E+00
ENSBTAG000000011466	6.45E-10	6.41E-10	NAXD	1.01E+00
ENSBTAG000000025502	3.37E-10	3.35E-10	LECT1	1.01E+00
ENSBTAG000000015994	7.21E-10	7.14E-10	LRRC63	1.01E+00
ENSBTAG000000010420	4.15E-10	4.10E-10	PCDH17	1.01E+00
ENSBTAG000000034885	3.87E-10	3.79E-10	RGCC	1.02E+00
ENSBTAG000000010787	4.13E-10	3.99E-10	RFC3	1.03E+00
ENSBTAG000000007298	1.38E-10	1.33E-10	TEX29	1.04E+00
ENSBTAG000000018580	4.07E-10	3.90E-10	SPERT	1.04E+00
ENSBTAG000000046041	7.06E-10	6.72E-10		1.05E+00
ENSBTAG000000009340	2.35E-10	2.23E-10	KATNAL1	1.05E+00
ENSBTAG000000016052	3.76E-10	3.57E-10		1.05E+00
ENSBTAG000000019886	5.39E-10	5.11E-10	BORA	1.06E+00
ENSBTAG000000010680	2.70E-10	2.55E-10		1.06E+00
ENSBTAG000000020861	1.36E-10	1.28E-10	CHAMP1	1.06E+00
ENSBTAG000000019340	1.06E-10	9.99E-11	PCDH9	1.06E+00
ENSBTAG000000019502	2.95E-10	2.78E-10	MED4	1.06E+00
ENSBTAG000000009308	6.72E-10	6.34E-10	TDRD3	1.06E+00
ENSBTAG000000038168	1.57E-10	1.48E-10	SLITRK1	1.06E+00
ENSBTAG000000032727	8.66E-10	8.17E-10		1.06E+00
ENSBTAG000000016691	2.08E-10	1.94E-10		1.07E+00
ENSBTAG000000018851	1.73E-10	1.60E-10	MYCBP2	1.08E+00
ENSBTAG000000001867	1.80E-10	1.67E-10	SACS	1.08E+00
ENSBTAG000000012409	2.16E-10	2.00E-10	POSTN	1.08E+00
ENSBTAG000000020093	1.67E-10	1.55E-10	CUL4A	1.08E+00
ENSBTAG000000000993	1.78E-10	1.64E-10	N4BP2L1	1.08E+00
ENSBTAG000000005284	4.36E-10	4.04E-10	SERPINE3	1.08E+00
ENSBTAG000000016637	3.02E-10	2.80E-10	WBP4	1.08E+00
ENSBTAG000000004041	4.35E-10	4.02E-10	ANKRD10	1.08E+00
ENSBTAG000000011471	3.22E-10	2.97E-10	CARS2	1.08E+00
ENSBTAG000000032234	5.53E-10	5.09E-10	STK24	1.09E+00
ENSBTAG000000047739	2.64E-10	2.42E-10		1.09E+00
ENSBTAG000000005012	1.78E-10	1.63E-10	HSPH1	1.09E+00
ENSBTAG000000038251	2.43E-10	2.20E-10	NAA16	1.10E+00
ENSBTAG000000010672	2.59E-10	2.34E-10	PCCA	1.11E+00
ENSBTAG000000007066	3.94E-10	3.57E-10	TMTC4	1.10E+00
ENSBTAG000000019967	6.33E-10	5.68E-10	RASA3	1.12E+00
ENSBTAG000000025400	1.45E-10	1.29E-10	PARP4	1.13E+00
ENSBTAG000000005299	3.91E-10	3.46E-10	EDNRB	1.13E+00
ENSBTAG000000005309	8.76E-10	7.74E-10	TGDS	1.13E+00
ENSBTAG000000020149	2.71E-10	2.39E-10		1.13E+00
ENSBTAG000000020858	1.44E-10	1.26E-10	UPF3A	1.14E+00

ENSBTAG00000013498	5.34E-10	4.67E-10	HTR2A	1.14E+00
ENSBTAG00000044184	4.29E-10	3.75E-10	TUBGCP3	1.14E+00
ENSBTAG00000007073	3.66E-10	3.19E-10	CPB2	1.15E+00
ENSBTAG00000032084	2.69E-10	2.33E-10	GPR183	1.15E+00
ENSBTAG00000015225	1.12E-10	9.60E-11	NUP58	1.16E+00
ENSBTAG00000000146	5.01E-10	4.32E-10	FARP1	1.16E+00
ENSBTAG00000000278	1.09E-10	9.29E-11	RNF17	1.17E+00
ENSBTAG00000034222	7.07E-10	6.02E-10	CAB39L	1.17E+00
ENSBTAG00000010949	5.56E-10	4.74E-10	PROSER1	1.17E+00
ENSBTAG00000018214	1.76E-10	1.48E-10	SHISA2	1.19E+00
ENSBTAG00000008656	1.16E-10	9.74E-11	KBTBD6	1.19E+00
ENSBTAG00000007079	6.75E-10	5.64E-10	LCP1	1.20E+00
ENSBTAG00000045751	1.43E-09	1.18E-09		1.21E+00
ENSBTAG00000016737	1.05E-10	8.70E-11	CDK8	1.21E+00
ENSBTAG00000048237	1.52E-10	1.26E-10		1.21E+00
ENSBTAG00000023279	1.26E-10	1.04E-10		1.21E+00
ENSBTAG00000019054	4.78E-10	3.92E-10	EPSTI1	1.22E+00
ENSBTAG00000025221	4.21E-10	3.43E-10	TEX30	1.23E+00
ENSBTAG00000038662	1.82E-10	1.49E-10	GJB6	1.22E+00
ENSBTAG00000017048	1.40E-10	1.13E-10	CENPJ	1.24E+00
ENSBTAG00000002300	1.02E-09	8.26E-10	DCT	1.24E+00
ENSBTAG00000008708	4.05E-10	3.25E-10	GPC5	1.24E+00
ENSBTAG00000032821	3.35E-10	2.66E-10	SCEL	1.26E+00
ENSBTAG00000020726	3.09E-10	2.44E-10	ARHGEF7	1.27E+00
ENSBTAG00000032984	4.95E-10	3.89E-10		1.27E+00
ENSBTAG00000003314	2.08E-10	1.61E-10	SKA3	1.29E+00
ENSBTAG00000016915	2.55E-10	1.97E-10	FLT1	1.30E+00
ENSBTAG00000002129	2.64E-10	2.03E-10		1.30E+00
ENSBTAG00000020389	4.72E-10	3.61E-10	TPP2	1.31E+00
ENSBTAG00000007589	5.65E-10	4.30E-10	SMAD9	1.31E+00
ENSBTAG00000003109	7.76E-10	5.89E-10	ITM2B	1.32E+00
ENSBTAG00000017425	8.12E-11	6.14E-11	GJB2	1.32E+00
ENSBTAG00000012260	1.91E-10	1.44E-10	MTRF1	1.32E+00
ENSBTAG00000004440	7.70E-10	5.81E-10	SLC15A1	1.33E+00
ENSBTAG00000018103	1.66E-10	1.26E-10	HMGB1	1.32E+00
ENSBTAG00000012434	5.64E-10	4.19E-10	ENOX1	1.35E+00
ENSBTAG00000005925	1.09E-09	8.02E-10	SLC10A2	1.36E+00
ENSBTAG00000001344	2.81E-10	2.05E-10		1.37E+00
ENSBTAG00000044027	5.58E-10	4.08E-10	ITGBL1	1.37E+00
ENSBTAG00000019545	4.12E-10	3.01E-10		1.37E+00
ENSBTAG00000013879	3.69E-10	2.69E-10	DGKH	1.37E+00
ENSBTAG00000040347	6.29E-10	4.56E-10		1.38E+00
ENSBTAG00000005682	2.58E-10	1.87E-10	UBAC2	1.38E+00
ENSBTAG00000002240	1.53E-10	1.10E-10	GPR18	1.39E+00
ENSBTAG00000008888	5.15E-10	3.68E-10	MIPEP	1.40E+00
ENSBTAG00000010242	1.57E-10	1.12E-10	LAMP1	1.41E+00
ENSBTAG00000034033	3.49E-10	2.48E-10	LHFP	1.41E+00
ENSBTAG00000000988	1.03E-10	7.28E-11	BRCA2	1.41E+00
ENSBTAG00000018300	2.91E-10	2.06E-10		1.41E+00
ENSBTAG00000017508	5.49E-10	3.87E-10	CYSLTR2	1.42E+00
ENSBTAG00000016529	2.07E-10	1.45E-10	SLC25A30	1.43E+00
ENSBTAG00000018572	2.10E-10	1.47E-10	FLT3	1.43E+00
ENSBTAG00000048161	5.39E-10	3.69E-10		1.46E+00
ENSBTAG00000011850	2.61E-10	1.78E-10	ALG5	1.46E+00
ENSBTAG00000009415	3.25E-10	2.19E-10	NUFIP1	1.48E+00
ENSBTAG00000015124	2.15E-10	1.44E-10	ARGLU1	1.49E+00
ENSBTAG00000005760	5.23E-10	3.49E-10	TBC1D4	1.50E+00
ENSBTAG00000008686	7.72E-11	5.15E-11	SLC46A3	1.50E+00
ENSBTAG00000013159	4.92E-10	3.26E-10		1.51E+00
ENSBTAG00000004165	2.77E-10	1.83E-10	CLYBL	1.51E+00
ENSBTAG00000026070	1.53E-09	1.01E-09		1.52E+00
ENSBTAG00000008259	2.87E-10	1.89E-10	ACOD1	1.52E+00
ENSBTAG00000019895	2.85E-10	1.86E-10	PIBF1	1.53E+00
ENSBTAG00000003568	1.89E-09	1.23E-09	CLDN10	1.53E+00
ENSBTAG00000025220	4.52E-10	2.94E-10	FAM155A	1.54E+00
ENSBTAG00000020412	9.78E-10	6.36E-10	RAP2A	1.54E+00
ENSBTAG00000019440	2.70E-10	1.75E-10	PROZ	1.54E+00
ENSBTAG00000015614	2.44E-10	1.58E-10	LNX2	1.55E+00
ENSBTAG00000013984	2.03E-10	1.30E-10	KL	1.56E+00
ENSBTAG00000037786	4.66E-10	2.97E-10	NALCN	1.57E+00

ENSBTAG00000022779	7.10E-10	4.50E-10	OLFM4	1.58E+00
ENSBTAG00000039823	1.60E-10	1.01E-10	KBTBD7	1.59E+00
ENSBTAG00000025211	2.27E-10	1.43E-10		1.59E+00
ENSBTAG00000034069	6.76E-11	4.26E-11	MAB21L1	1.58E+00
ENSBTAG00000005244	2.21E-10	1.39E-10	RASL11A	1.59E+00
ENSBTAG00000038732	2.64E-10	1.66E-10		1.59E+00
ENSBTAG00000014024	7.35E-11	4.63E-11	POMP	1.59E+00
ENSBTAG00000010690	9.88E-11	6.22E-11	PDX1	1.59E+00
ENSBTAG00000020530	1.44E-10	9.08E-11	MTIF3	1.59E+00
ENSBTAG00000046942	3.28E-10	2.06E-10		1.59E+00
ENSBTAG00000016998	5.33E-10	3.35E-10	ARL11	1.59E+00
ENSBTAG00000010156	2.31E-10	1.46E-10		1.58E+00
ENSBTAG00000026384	2.08E-10	1.31E-10		1.59E+00
ENSBTAG00000006177	2.60E-10	1.61E-10	ZDHHC20	1.62E+00
ENSBTAG00000001589	6.37E-10	3.93E-10	TM9SF2	1.62E+00
ENSBTAG00000006640	4.89E-10	2.92E-10	RB1	1.67E+00
ENSBTAG00000016385	3.72E-10	2.23E-10	F10	1.67E+00
ENSBTAG00000038495	5.76E-10	3.40E-10		1.69E+00
ENSBTAG00000016991	2.43E-10	1.43E-10	EFNB2	1.70E+00
ENSBTAG00000020393	3.53E-10	2.05E-10	METTL21C	1.72E+00
ENSBTAG00000014486	7.71E-11	4.37E-11	ATP12A	1.76E+00
ENSBTAG00000014752	3.23E-10	1.82E-10	AKAP11	1.77E+00
ENSBTAG00000018631	2.83E-10	1.58E-10	SAP18	1.79E+00
ENSBTAG00000019889	2.96E-10	1.63E-10	DIS3	1.82E+00
ENSBTAG00000001133	7.19E-10	3.95E-10	VWA8	1.82E+00
ENSBTAG00000020681	2.01E-10	1.10E-10	FNDC3A	1.83E+00
ENSBTAG00000019501	2.89E-10	1.58E-10	NUDT15	1.83E+00
ENSBTAG00000046408	6.82E-10	3.71E-10	FAM124A	1.84E+00
ENSBTAG00000007284	3.84E-10	2.08E-10	CCNA1	1.85E+00
ENSBTAG00000017032	4.99E-10	2.64E-10	FREM2	1.89E+00
ENSBTAG00000025402	1.17E-10	5.95E-11	IL17D	1.96E+00
ENSBTAG00000011654	9.77E-10	4.99E-10		1.96E+00
ENSBTAG00000023187	2.16E-10	1.09E-10		1.98E+00
ENSBTAG00000018179	9.18E-11	4.63E-11	PCDH8	1.98E+00
ENSBTAG00000010951	2.01E-10	1.01E-10	NHLRC3	1.99E+00
ENSBTAG00000007457	2.79E-10	1.40E-10		1.99E+00
ENSBTAG00000003315	3.79E-10	1.91E-10	MRPL57	1.98E+00
ENSBTAG00000032878	1.14E-09	5.70E-10		2.00E+00
ENSBTAG00000014286	1.37E-10	6.81E-11	IFT88	2.02E+00
ENSBTAG00000008642	3.77E-10	1.85E-10		2.04E+00
ENSBTAG00000008053	5.11E-10	2.48E-10	WDFY2	2.06E+00
ENSBTAG00000019529	3.21E-10	1.56E-10		2.06E+00
ENSBTAG00000016109	5.90E-10	2.82E-10	DHRS12	2.09E+00
ENSBTAG00000020928	2.84E-10	1.35E-10	ADPRHL1	2.10E+00
ENSBTAG00000010693	3.50E-10	1.65E-10	LMO7	2.12E+00
ENSBTAG00000039714	1.36E-09	6.35E-10		2.14E+00
ENSBTAG00000018232	2.85E-10	1.33E-10	STOML3	2.14E+00
ENSBTAG00000033386	2.67E-10	1.24E-10	TEX26	2.15E+00
ENSBTAG00000034269	5.13E-10	2.37E-10	RCBTB1	2.17E+00
ENSBTAG00000003569	1.63E-09	7.39E-10	DZIP1	2.21E+00
ENSBTAG00000035926	8.31E-10	3.72E-10		2.23E+00
ENSBTAG00000044007	3.76E-10	1.65E-10	KLF12	2.28E+00
ENSBTAG00000011647	8.17E-10	3.51E-10	SLC25A15	2.33E+00
ENSBTAG00000026861	2.27E-10	9.51E-11		2.38E+00
ENSBTAG00000047831	1.61E-10	6.77E-11		2.38E+00
ENSBTAG00000032711	3.22E-10	1.35E-10	HTATSF1	2.39E+00
ENSBTAG00000002970	3.18E-10	1.31E-10	INTS6	2.43E+00
ENSBTAG00000005351	4.77E-10	1.88E-10	RFXAP	2.54E+00
ENSBTAG00000006647	5.27E-10	2.07E-10	RCBTB2	2.54E+00
ENSBTAG00000017515	8.01E-10	3.09E-10		2.59E+00
ENSBTAG00000008024	5.38E-10	2.06E-10	UCHL3	2.61E+00
ENSBTAG00000002271	5.15E-10	1.92E-10	CDADC1	2.68E+00
ENSBTAG00000025028	6.35E-10	2.31E-10	MZT1	2.75E+00
ENSBTAG00000008296	2.17E-10	7.71E-11	EEF1AKMT1	2.81E+00
ENSBTAG00000009416	6.73E-10	2.30E-10	GPALPP1	2.92E+00
ENSBTAG00000012600	2.14E-10	7.24E-11	GTF3A	2.95E+00
ENSBTAG00000014227	1.82E-10	6.06E-11	NDFIP2	3.00E+00
ENSBTAG00000022991	4.63E-10	1.48E-10	NBEA	3.13E+00
ENSBTAG00000006771	3.30E-10	1.05E-10	FRY	3.14E+00
ENSBTAG00000005318	3.53E-11	1.11E-11	RNF6	3.16E+00

ENSBTAG00000009166	2.63E-10	8.27E-11		3.18E+00
ENSBTAG00000021345	3.24E-10	1.02E-10	OXGR1	3.17E+00
ENSBTAG00000018313	5.83E-10	1.80E-10	MBNL2	3.23E+00
ENSBTAG00000007329	4.51E-10	1.38E-10	SETDB2	3.26E+00
ENSBTAG00000032603	1.34E-09	3.95E-10	ABCC4	3.38E+00
ENSBTAG00000047181	8.24E-10	2.43E-10		3.39E+00
ENSBTAG00000033412	6.22E-10	1.76E-10	B3GLCT	3.53E+00
ENSBTAG00000018829	3.09E-10	8.70E-11	SPRYD7	3.55E+00
ENSBTAG00000011597	1.27E-10	3.56E-11	PDS5B	3.56E+00
ENSBTAG00000015522	2.78E-10	7.73E-11	MRPS31	3.60E+00
ENSBTAG00000003560	9.60E-10	2.67E-10		3.59E+00
ENSBTAG00000043985	4.71E-10	1.27E-10		3.70E+00
ENSBTAG00000005310	7.23E-10	1.94E-10	GPR180	3.72E+00
ENSBTAG00000007411	3.40E-10	8.21E-11	F7	4.14E+00
ENSBTAG00000008176	2.40E-10	5.66E-11	KCNRG	4.24E+00
ENSBTAG00000011860	3.67E-10	8.38E-11	SUPT20H	4.37E+00
ENSBTAG000000011563	4.50E-10	9.82E-11		4.58E+00
ENSBTAG000000025192	1.08E-09	2.23E-10		4.84E+00
ENSBTAG00000004850	3.87E-10	7.17E-11	KPNA3	5.40E+00
ENSBTAG00000018410	7.92E-10	1.45E-10	EBPL	5.46E+00
ENSBTAG00000010129	1.92E-10	3.44E-11	SLITRK5	5.56E+00
ENSBTAG00000015868	3.96E-10	6.71E-11	LIG4	5.89E+00
ENSBTAG000000021725	3.06E-10	4.81E-11	PCID2	6.36E+00
ENSBTAG000000023309	6.38E-10	9.86E-11		6.47E+00
ENSBTAG000000004401	1.27E-09	1.80E-10	UGGT2	7.03E+00
ENSBTAG00000019268	1.25E-09	1.73E-10		7.21E+00
ENSBTAG00000008271	8.36E-10	1.08E-10	MEDAG	7.73E+00
ENSBTAG00000008173	1.90E-10	2.39E-11	TRIM13	7.91E+00
ENSBTAG00000001819	1.87E-10	2.13E-11		8.72E+00
ENSBTAG00000039374	5.59E-10	6.30E-11	IPO5	8.87E+00
ENSBTAG00000011855	4.35E-10	4.46E-11	EXOSC8	9.74E+00
ENSBTAG00000010337	1.95E-10	1.89E-11	ALG11	1.03E+01
ENSBTAG00000008040	5.05E-10	4.70E-11	SPG20	1.07E+01
ENSBTAG00000044105	3.54E-10	3.11E-11	FOXO1	1.13E+01
ENSBTAG00000010475	6.56E-10	5.14E-11	MLNR	1.27E+01
ENSBTAG00000018955	4.69E-10	2.22E-11		2.10E+01
ENSBTAG00000016635	2.66E-10	1.13E-11	COG6	2.34E+01
ENSBTAG00000013819	5.74E-10	2.25E-11	URAD	2.54E+01
ENSBTAG00000019863	1.21E-09	4.50E-11	CCDC70	2.68E+01
ENSBTAG00000020374	4.31E-10	1.48E-11	THSD1	2.89E+01
ENSBTAG00000012065	1.40E-09	4.75E-11	DNAJC3	2.93E+01
ENSBTAG00000020612	5.62E-10	1.77E-11	NEK3	3.16E+01
ENSBTAG00000019134	3.40E-10	8.38E-12	NEK5	4.02E+01
ENSBTAG00000004307	3.04E-10	6.54E-12	VPS36	4.59E+01
ENSBTAG00000010353	9.49E-10	6.48E-12	ATP7B	1.44E+02
ENSBTAG00000021162	4.67E-10	0	CKAP2	4.67E+03
ENSBTAG00000014274	5.07E-11	0		5.08E+02
ENSBTAG000000039065	3.77E-10	0		3.77E+03
ENSBTAG00000046552	1.84E-10	0	GGACT	1.84E+03
ENSBTAG00000000059	0	0		1.00E+00
ENSBTAG00000019416	1.05E-10	0	KCTD4	1.05E+03
ENSBTAG00000046386	0	0	SERTM1	1.00E+00
ENSBTAG00000020400	0	0	GJA3	1.00E+00
ENSBTAG00000032979	3.69E-10	0		3.69E+03
ENSBTAG00000001414	0	0	KCTD12	1.00E+00
ENSBTAG00000001774	8.65E-11	0	SPRY2	8.66E+02
ENSBTAG00000004388	1.62E-10	0	SLITRK6	1.62E+03
ENSBTAG00000045566	8.49E-10	0		8.49E+03
ENSBTAG00000002432	8.08E-11	0	ABHD13	8.09E+02
ENSBTAG00000048089	0	2.24E-11		4.44E-03
ENSBTAG00000047779	0	1.50E-10	SRY	6.66E-04
ENSBTAG00000027412	0	1.26E-10		7.93E-04
ENSBTAG00000048009	0	8.23E-10		1.21E-04
ENSBTAG00000016406	1.30E-10	7.38E-10	MCM10	1.76E-01
ENSBTAG00000047752	1.70E-10	6.45E-10	OTUD1	2.64E-01
ENSBTAG00000016746	1.91E-10	7.25E-10	UBE2C	2.64E-01
ENSBTAG00000013737	1.64E-10	6.01E-10	MROH8	2.73E-01
ENSBTAG00000018812	1.56E-10	5.53E-10		2.83E-01
ENSBTAG00000008812	1.88E-10	5.10E-10	PFDN4	3.70E-01
ENSBTAG00000031625	3.93E-11	9.90E-11	HRH3	3.97E-01

ENSBTAG00000011233	2.74E-10	6.92E-10	GTSF1L	3.96E-01
ENSBTAG00000013899	2.01E-10	4.85E-10	LARP4B	4.15E-01
ENSBTAG00000047638	1.84E-11	4.06E-11		4.55E-01
ENSBTAG00000046776	1.92E-11	4.24E-11		4.55E-01
ENSBTAG00000018813	1.65E-10	3.55E-10	IDH3B	4.66E-01
ENSBTAG00000018873	3.79E-10	8.07E-10	TTPAL	4.69E-01
ENSBTAG00000044074	6.94E-11	1.47E-10	MLLT10	4.72E-01
ENSBTAG00000047962	2.19E-11	4.60E-11		4.78E-01
ENSBTAG00000047102	1.99E-11	3.76E-11		5.31E-01
ENSBTAG00000046716	2.22E-11	4.20E-11		5.30E-01
ENSBTAG00000047653	3.48E-11	6.58E-11		5.29E-01
ENSBTAG00000014555	1.28E-10	2.40E-10	CASS4	5.32E-01
ENSBTAG00000016743	2.99E-10	5.59E-10	DNTTIP1	5.35E-01
ENSBTAG00000018295	1.36E-10	2.51E-10	SEC23B	5.43E-01
ENSBTAG00000017938	3.55E-10	6.48E-10		5.49E-01
ENSBTAG00000006065	9.44E-11	1.70E-10	PCNA	5.56E-01
ENSBTAG00000008105	5.13E-11	8.62E-11	RBM38	5.96E-01
ENSBTAG00000007658	3.29E-10	5.48E-10	CTNBNB1	6.00E-01
ENSBTAG00000009117	1.47E-10	2.32E-10	THNSL1	6.34E-01
ENSBTAG00000040147	2.17E-10	3.40E-10	SYNDIG1	6.39E-01
ENSBTAG00000011458	3.22E-10	5.04E-10	CPXM1	6.39E-01
ENSBTAG00000014179	7.64E-11	1.18E-10	SLC12A5	6.48E-01
ENSBTAG00000003639	1.40E-10	2.15E-10	ELMO2	6.51E-01
ENSBTAG000000039722	2.72E-10	4.10E-10		6.63E-01
ENSBTAG00000014186	1.33E-10	2.00E-10	NCOA5	6.66E-01
ENSBTAG00000005275	3.79E-10	5.55E-10	PKIG	6.82E-01
ENSBTAG00000009626	4.46E-10	6.47E-10	SPINT4	6.90E-01
ENSBTAG00000020736	5.07E-10	7.27E-10	CD40	6.98E-01
ENSBTAG00000000288	1.55E-10	2.20E-10	UPF2	7.03E-01
ENSBTAG000000030800	5.68E-10	8.06E-10	WFDC10B	7.05E-01
ENSBTAG00000047315	4.69E-10	6.65E-10	PTF1A	7.05E-01
ENSBTAG00000005280	4.83E-10	6.83E-10	ADA	7.07E-01
ENSBTAG00000013167	1.15E-10	1.63E-10	SIGLEC1	7.06E-01
ENSBTAG00000001015	9.34E-11	1.31E-10	TM9SF4	7.14E-01
ENSBTAG00000012377	4.69E-10	6.56E-10	ECHDC3	7.15E-01
ENSBTAG00000000309	4.84E-10	6.77E-10		7.15E-01
ENSBTAG00000013160	1.74E-10	2.43E-10	GFRA4	7.15E-01
ENSBTAG000000030798	5.52E-10	7.45E-10	WFDC11	7.41E-01
ENSBTAG00000019511	3.79E-10	5.09E-10	CDC123	7.44E-01
ENSBTAG000000003901	1.94E-10	2.59E-10	DNMT3B	7.49E-01
ENSBTAG00000004281	2.57E-10	3.40E-10	ACSS1	7.55E-01
ENSBTAG00000007783	1.26E-10	1.67E-10	MYBL2	7.57E-01
ENSBTAG00000004474	1.32E-10	1.74E-10	BANF2	7.57E-01
ENSBTAG000000037942	1.43E-09	1.86E-09		7.69E-01
ENSBTAG000000035696	6.68E-10	8.64E-10	UCN3	7.74E-01
ENSBTAG00000016742	6.16E-10	7.89E-10		7.81E-01
ENSBTAG00000019488	4.92E-10	6.24E-10	USP6NL	7.89E-01
ENSBTAG000000044011	2.07E-10	2.60E-10		7.95E-01
ENSBTAG00000014917	1.84E-10	2.32E-10	GTPBP4	7.94E-01
ENSBTAG00000020371	3.02E-10	3.80E-10	ACOT8	7.94E-01
ENSBTAG00000000959	3.54E-10	4.46E-10	ZSWIM1	7.94E-01
ENSBTAG000000022534	4.14E-10	5.21E-10		7.94E-01
ENSBTAG000000005202	5.79E-10	7.30E-10	SCP2D1	7.94E-01
ENSBTAG000000039028	1.04E-09	1.31E-09		7.91E-01
ENSBTAG000000048291	5.56E-10	7.00E-10		7.94E-01
ENSBTAG000000003589	3.43E-11	4.32E-11	COMMD3	7.95E-01
ENSBTAG00000021805	3.10E-10	3.90E-10	TGIF2-C20orf24	7.94E-01
ENSBTAG00000020030	2.04E-10	2.57E-10	FITM2	7.94E-01
ENSBTAG000000027397	9.10E-11	1.15E-10	PPP1R3D	7.92E-01
ENSBTAG000000003937	3.13E-10	3.94E-10		7.94E-01
ENSBTAG00000027326	3.03E-10	3.82E-10	TP53RK	7.93E-01
ENSBTAG00000000960	1.59E-10	2.00E-10	SPATA25	7.93E-01
ENSBTAG000000010873	1.22E-10	1.54E-10	BHLHE23	7.95E-01
ENSBTAG00000014623	1.89E-10	2.35E-10	MCM8	8.03E-01
ENSBTAG000000031376	4.55E-10	5.62E-10		8.09E-01
ENSBTAG000000010130	5.48E-10	6.74E-10	ZNF335	8.13E-01
ENSBTAG000000003908	1.14E-10	1.40E-10	MAPRE1	8.17E-01
ENSBTAG000000027383	1.06E-09	1.28E-09		8.25E-01
ENSBTAG00000019621	1.52E-10	1.84E-10	NDRG3	8.27E-01
ENSBTAG00000008964	1.57E-10	1.87E-10	DTD1	8.42E-01



ENSBTAG00000003364	7.41E-10	8.80E-10		8.42E-01
ENSBTAG00000009881	3.72E-10	4.40E-10	ENTPD6	8.46E-01
ENSBTAG000000038260	8.99E-10	1.06E-09	AKR1E2	8.49E-01
ENSBTAG00000016849	2.54E-10	2.99E-10	PABPC1L	8.51E-01
ENSBTAG00000019508	1.55E-10	1.82E-10	SEC61A2	8.53E-01
ENSBTAG00000000958	6.58E-10	7.72E-10	ZSWIM3	8.52E-01
ENSBTAG00000000961	4.13E-10	4.83E-10	NEURL2	8.55E-01
ENSBTAG00000001376	4.69E-10	5.48E-10	RAD21L1	8.55E-01
ENSBTAG000000031375	7.69E-10	8.93E-10		8.61E-01
ENSBTAG000000001204	1.95E-10	2.25E-10	KIAA1462	8.65E-01
ENSBTAG000000032704	4.94E-10	5.73E-10	NAPB	8.63E-01
ENSBTAG000000027328	1.05E-09	1.22E-09		8.61E-01
ENSBTAG000000013545	1.48E-10	1.69E-10	MAVS	8.75E-01
ENSBTAG000000034987	4.76E-10	5.46E-10	MKKS	8.72E-01
ENSBTAG000000005316	1.83E-10	2.09E-10	GDI2	8.76E-01
ENSBTAG000000046276	7.16E-11	8.18E-11		8.76E-01
ENSBTAG000000000291	1.69E-10	1.92E-10	DHTKD1	8.80E-01
ENSBTAG000000006670	5.79E-10	6.60E-10	ERGIC3	8.78E-01
ENSBTAG000000027384	8.57E-10	9.76E-10		8.78E-01
ENSBTAG000000002942	6.52E-10	7.43E-10	SLC2A10	8.78E-01
ENSBTAG000000019197	1.52E-10	1.72E-10	FAM208B	8.82E-01
ENSBTAG000000020555	4.44E-10	5.05E-10	DEFB123	8.80E-01
ENSBTAG000000010126	6.93E-10	7.87E-10	PCIF1	8.81E-01
ENSBTAG000000010210	1.42E-10	1.60E-10	SUV39H2	8.87E-01
ENSBTAG000000002856	5.20E-10	5.86E-10	MEIG1	8.87E-01
ENSBTAG000000027937	2.58E-10	2.91E-10	PrP	8.88E-01
ENSBTAG000000003608	2.50E-10	2.81E-10	SYCP2	8.88E-01
ENSBTAG000000030556	1.65E-10	1.84E-10	ZNF217	8.95E-01
ENSBTAG000000047944	7.40E-11	8.28E-11	GATA5	8.94E-01
ENSBTAG000000040607	4.68E-10	5.24E-10	SLA2	8.94E-01
ENSBTAG000000047336	3.56E-10	3.98E-10		8.94E-01
ENSBTAG000000000559	7.24E-10	8.09E-10	PLTP	8.95E-01
ENSBTAG000000002578	1.86E-10	2.07E-10	ZMYND11	9.00E-01
ENSBTAG000000009144	9.66E-10	1.06E-09		9.11E-01
ENSBTAG000000017188	4.01E-10	4.38E-10	ISM1	9.15E-01
ENSBTAG000000003335	1.43E-10	1.56E-10	VSX1	9.17E-01
ENSBTAG000000022003	4.18E-10	4.55E-10	NSUN6	9.19E-01
ENSBTAG000000014345	9.33E-10	1.01E-09		9.23E-01
ENSBTAG000000009675	6.53E-10	7.09E-10		9.21E-01
ENSBTAG0000000013336	3.58E-10	3.88E-10	EYA2	9.23E-01
ENSBTAG000000006043	3.37E-10	3.65E-10	SLC6A9	9.24E-01
ENSBTAG000000033315	9.55E-11	1.03E-10	DNAJC1	9.27E-01
ENSBTAG000000016873	3.84E-10	4.11E-10	OSER1	9.33E-01
ENSBTAG000000001512	6.20E-10	6.63E-10	ZFP64	9.35E-01
ENSBTAG000000021727	5.71E-10	6.08E-10	NTSR1	9.39E-01
ENSBTAG000000008908	3.71E-10	3.95E-10	GZF1	9.38E-01
ENSBTAG000000017354	3.05E-10	3.24E-10	MPP7	9.40E-01
ENSBTAG000000011782	7.11E-10	7.57E-10	CHGB	9.40E-01
ENSBTAG000000006037	2.18E-10	2.31E-10	WISP2	9.44E-01
ENSBTAG000000031453	2.44E-10	2.59E-10	CCM2L	9.41E-01
ENSBTAG000000006066	2.90E-10	3.07E-10	CDS2	9.44E-01
ENSBTAG0000000032893	9.78E-10	1.04E-09		9.40E-01
ENSBTAG000000015362	2.14E-10	2.27E-10	BMP7	9.44E-01
ENSBTAG000000000528	2.92E-10	3.09E-10	MANBAL	9.46E-01
ENSBTAG000000007962	6.08E-10	6.41E-10	ATP9A	9.48E-01
ENSBTAG000000023920	2.27E-10	2.40E-10	GPR158	9.47E-01
ENSBTAG000000038966	3.87E-10	4.07E-10		9.50E-01
ENSBTAG000000003163	1.93E-10	2.02E-10	RBBP8NL	9.54E-01
ENSBTAG000000015609	2.84E-10	2.98E-10	PREX1	9.52E-01
ENSBTAG000000009871	5.65E-10	5.93E-10	RAB18	9.53E-01
ENSBTAG000000003058	8.57E-11	8.99E-11	ADRM1	9.53E-01
ENSBTAG000000047975	6.48E-10	6.80E-10		9.53E-01
ENSBTAG000000016427	2.27E-10	2.39E-10	COMMD7	9.51E-01
ENSBTAG000000007932	1.81E-10	1.89E-10	HCK	9.56E-01
ENSBTAG000000003382	3.44E-10	3.60E-10	RIMS4	9.55E-01
ENSBTAG000000012109	2.26E-10	2.35E-10	EDN3	9.60E-01
ENSBTAG000000038412	9.39E-10	9.74E-10	BPIFB4	9.64E-01
ENSBTAG000000006078	4.17E-10	4.32E-10		9.65E-01
ENSBTAG000000014648	2.33E-10	2.42E-10	RPN2	9.61E-01
ENSBTAG000000016122	4.76E-10	4.94E-10	PIGT	9.64E-01

ENSBTAG00000003045	1.31E-10	1.35E-10	BAMBI	9.69E-01
ENSBTAG00000004302	2.77E-10	2.86E-10	NDUFAF5	9.68E-01
ENSBTAG000000013950	2.31E-10	2.38E-10		9.69E-01
ENSBTAG000000013339	3.74E-10	3.85E-10	NEBL	9.70E-01
ENSBTAG00000008293	3.07E-10	3.13E-10	GPCPD1	9.80E-01
ENSBTAG000000015581	1.45E-10	1.48E-10	COL9A3	9.82E-01
ENSBTAG000000047320	7.54E-11	7.69E-11		9.80E-01
ENSBTAG000000017524	3.60E-10	3.66E-10	CBLN4	9.84E-01
ENSBTAG000000009475	4.53E-10	4.59E-10	PLXDC2	9.87E-01
ENSBTAG000000005672	1.34E-10	1.35E-10	CDH22	9.93E-01
ENSBTAG000000004750	4.65E-10	4.70E-10	VSTM2L	9.90E-01
ENSBTAG000000020053	1.56E-10	1.57E-10	ZEB1	9.91E-01
ENSBTAG000000039356	4.89E-10	4.92E-10		9.93E-01
ENSBTAG000000007120	4.24E-10	4.27E-10	ARFGEF2	9.94E-01
ENSBTAG000000004993	6.16E-10	6.20E-10	NXT1	9.94E-01
ENSBTAG000000002187	2.44E-10	2.45E-10	SERINC3	9.96E-01
ENSBTAG0000000036222	5.61E-10	5.62E-10		9.98E-01
ENSBTAG000000010220	1.76E-10	1.76E-10	DCLRE1C	9.99E-01
ENSBTAG000000044112	5.37E-10	5.35E-10	MSRB2	1.00E+00
ENSBTAG000000007648	2.02E-10	2.01E-10	NET1	1.00E+00
ENSBTAG000000021601	7.13E-10	7.11E-10	PARD6B	1.00E+00
ENSBTAG000000002765	3.01E-10	3.00E-10	CYP24A1	1.00E+00
ENSBTAG000000018463	1.45E-10	1.43E-10	VIM	1.01E+00
ENSBTAG0000000027390	1.20E-10	1.19E-10	RTFDC1	1.01E+00
ENSBTAG0000000015188	1.04E-10	1.02E-10	KLF6	1.02E+00
ENSBTAG000000010277	2.82E-10	2.76E-10	NKX2-2	1.02E+00
ENSBTAG000000012276	7.20E-10	7.04E-10		1.02E+00
ENSBTAG000000019606	5.81E-10	5.67E-10	IFT52	1.03E+00
ENSBTAG000000008291	5.03E-10	4.91E-10	PROCR	1.03E+00
ENSBTAG000000013930	2.66E-10	2.59E-10	ATP5C1	1.03E+00
ENSBTAG000000018270	3.33E-10	3.23E-10	NFATC2	1.03E+00
ENSBTAG000000000683	3.11E-10	3.02E-10	WDR37	1.03E+00
ENSBTAG000000001552	1.64E-10	1.59E-10	EPC1	1.03E+00
ENSBTAG000000022005	2.41E-10	2.34E-10	TLDC2	1.03E+00
ENSBTAG000000017402	2.78E-10	2.69E-10	OSBPL2	1.03E+00
ENSBTAG0000000031254	7.73E-10	7.48E-10	DEFB124	1.03E+00
ENSBTAG000000013114	2.77E-10	2.68E-10	ZMYND8	1.03E+00
ENSBTAG000000000835	3.61E-10	3.48E-10	BCAS1	1.04E+00
ENSBTAG000000005186	3.17E-10	3.05E-10	DBNDD2	1.04E+00
ENSBTAG0000000001495	2.32E-10	2.23E-10		1.04E+00
ENSBTAG000000008401	3.05E-10	2.92E-10	PFKFB3	1.04E+00
ENSBTAG000000018805	3.73E-10	3.57E-10	ASB13	1.04E+00
ENSBTAG000000004278	6.01E-10	5.75E-10	APMAP	1.05E+00
ENSBTAG000000017328	6.56E-10	6.26E-10		1.05E+00
ENSBTAG000000005733	5.10E-10	4.86E-10	CHD6	1.05E+00
ENSBTAG000000027506	7.95E-10	7.55E-10	SNRPB2	1.05E+00
ENSBTAG000000020465	3.86E-10	3.68E-10	FERMT1	1.05E+00
ENSBTAG000000005086	2.45E-10	2.32E-10	RPRD1B	1.06E+00
ENSBTAG000000004429	1.74E-10	1.65E-10	GDF5	1.06E+00
ENSBTAG000000045509	2.88E-10	2.72E-10	FAM217B	1.06E+00
ENSBTAG000000013220	2.88E-10	2.72E-10	R3HDML	1.06E+00
ENSBTAG000000011010	3.91E-10	3.69E-10	PRND	1.06E+00
ENSBTAG000000000340	3.58E-10	3.38E-10	ADNP	1.06E+00
ENSBTAG000000005127	1.18E-10	1.12E-10	PSMA7	1.05E+00
ENSBTAG000000013925	2.65E-10	2.49E-10	KIN	1.06E+00
ENSBTAG000000005136	3.08E-10	2.90E-10	ABI1	1.06E+00
ENSBTAG000000015569	2.82E-10	2.63E-10	ENKUR	1.07E+00
ENSBTAG000000004387	4.32E-10	4.04E-10	MTPAP	1.07E+00
ENSBTAG000000018418	4.67E-10	4.36E-10	TMEM74B	1.07E+00
ENSBTAG000000012710	2.38E-10	2.22E-10	GHRH	1.07E+00
ENSBTAG000000013163	1.17E-10	1.08E-10	ADAM33	1.08E+00
ENSBTAG000000003061	1.51E-10	1.39E-10	LAMA5	1.08E+00
ENSBTAG0000000039643	9.70E-10	8.97E-10		1.08E+00
ENSBTAG000000021951	2.01E-10	1.85E-10	RBM17	1.08E+00
ENSBTAG000000002115	1.55E-10	1.42E-10	C20orf96	1.09E+00
ENSBTAG000000020120	6.33E-10	5.81E-10	SEL1L2	1.09E+00
ENSBTAG0000000030976	3.50E-10	3.21E-10		1.09E+00
ENSBTAG000000013301	4.10E-10	3.75E-10	GGT7	1.09E+00
ENSBTAG000000046614	1.37E-09	1.25E-09		1.10E+00
ENSBTAG0000000037509	2.93E-10	2.66E-10		1.10E+00

ENSBTAG00000004039	6.52E-10	5.91E-10	DHX35	1.10E+00
ENSBTAG00000003848	3.00E-10	2.72E-10	ATRN	1.10E+00
ENSBTAG000000010383	6.19E-10	5.59E-10	YTHDF1	1.11E+00
ENSBTAG000000004147	5.52E-10	4.99E-10	FBXO18	1.11E+00
ENSBTAG000000008056	2.77E-10	2.50E-10	GAD2	1.11E+00
ENSBTAG000000011638	2.71E-09	2.44E-09		1.11E+00
ENSBTAG000000018417	8.48E-10	7.64E-10	PSMF1	1.11E+00
ENSBTAG000000011704	1.35E-09	1.21E-09		1.11E+00
ENSBTAG000000030624	9.97E-10	8.95E-10	WFDC5	1.11E+00
ENSBTAG000000007489	6.68E-10	5.98E-10	NCOA3	1.12E+00
ENSBTAG000000011600	1.62E-10	1.45E-10	MAP3K8	1.12E+00
ENSBTAG000000003398	5.32E-10	4.75E-10	KCNG1	1.12E+00
ENSBTAG000000019378	2.36E-10	2.07E-10	KIAA1755	1.14E+00
ENSBTAG0000000031718	1.08E-10	9.50E-11	OGFR	1.13E+00
ENSBTAG000000008439	1.93E-10	1.70E-10	AP5S1	1.13E+00
ENSBTAG000000027337	6.91E-10	6.06E-10	CTSA	1.14E+00
ENSBTAG0000000031361	1.03E-09	9.05E-10		1.14E+00
ENSBTAG000000017475	1.18E-10	1.04E-10		1.14E+00
ENSBTAG000000021885	6.31E-10	5.53E-10	RSP04	1.14E+00
ENSBTAG000000039571	4.48E-10	3.92E-10	PROSER2	1.14E+00
ENSBTAG000000002065	1.97E-10	1.73E-10	TFAP2C	1.14E+00
ENSBTAG000000021614	2.53E-10	2.21E-10	TASP1	1.15E+00
ENSBTAG000000015872	2.91E-10	2.54E-10	PROKR2	1.15E+00
ENSBTAG000000002683	4.46E-10	3.87E-10	PFKP	1.15E+00
ENSBTAG0000000034145	4.74E-10	4.11E-10		1.15E+00
ENSBTAG000000016864	7.17E-10	6.19E-10	LBP	1.16E+00
ENSBTAG000000017007	1.19E-10	1.03E-10	TRIB3	1.16E+00
ENSBTAG000000002658	2.85E-10	2.46E-10	STAM	1.16E+00
ENSBTAG000000015434	2.08E-10	1.79E-10	DSTN	1.16E+00
ENSBTAG0000000004100	4.57E-10	3.93E-10	TTI1	1.16E+00
ENSBTAG000000017002	1.05E-10	9.02E-11	RBCK1	1.16E+00
ENSBTAG000000000065	2.97E-10	2.55E-10	CRLS1	1.16E+00
ENSBTAG000000010112	4.66E-10	4.00E-10	BPIFB6	1.17E+00
ENSBTAG000000005957	2.45E-10	2.09E-10	CSE1L	1.17E+00
ENSBTAG000000033089	2.20E-10	1.88E-10	HACD1	1.17E+00
ENSBTAG000000039446	1.90E-09	1.63E-09		1.17E+00
ENSBTAG000000000512	2.88E-10	2.46E-10	SNTA1	1.17E+00
ENSBTAG000000017537	5.52E-10	4.70E-10	PTGIS	1.18E+00
ENSBTAG000000006021	1.94E-10	1.64E-10	CEP250	1.18E+00
ENSBTAG0000000047223	1.08E-10	9.10E-11		1.19E+00
ENSBTAG000000027327	2.45E-10	2.06E-10	OCSTAMP	1.19E+00
ENSBTAG000000005111	8.73E-11	7.33E-11	BMP2	1.19E+00
ENSBTAG000000003319	9.59E-11	8.05E-11	FLRT3	1.19E+00
ENSBTAG0000000004075	2.36E-10	1.98E-10	IDI1	1.19E+00
ENSBTAG000000017191	3.07E-10	2.58E-10		1.19E+00
ENSBTAG000000011312	2.17E-10	1.82E-10	NKX2-4	1.19E+00
ENSBTAG000000002685	6.02E-10	5.02E-10	PITRM1	1.20E+00
ENSBTAG000000021867	4.78E-10	3.99E-10		1.20E+00
ENSBTAG000000006531	2.34E-10	1.95E-10	DIP2C	1.20E+00
ENSBTAG000000001640	5.52E-10	4.57E-10	EPB41L1	1.21E+00
ENSBTAG000000016401	2.66E-10	2.21E-10	OPTN	1.20E+00
ENSBTAG000000014048	6.34E-10	5.25E-10	C20orf196	1.21E+00
ENSBTAG000000014046	6.34E-10	5.25E-10	BPI	1.21E+00
ENSBTAG000000004354	1.12E-09	9.17E-10		1.22E+00
ENSBTAG000000008279	2.63E-10	2.17E-10	FRMD4A	1.21E+00
ENSBTAG000000016450	1.10E-10	9.05E-11	CDNF	1.21E+00
ENSBTAG000000018783	2.81E-10	2.30E-10	NELFCD	1.22E+00
ENSBTAG000000016348	1.70E-10	1.39E-10	XKR7	1.23E+00
ENSBTAG000000007130	1.69E-10	1.38E-10	ESF1	1.22E+00
ENSBTAG000000000873	3.95E-10	3.22E-10	SLC13A3	1.23E+00
ENSBTAG000000012526	4.42E-10	3.61E-10	APBB1IP	1.22E+00
ENSBTAG000000046631	8.41E-11	6.86E-11		1.23E+00
ENSBTAG000000018122	4.12E-10	3.35E-10		1.23E+00
ENSBTAG000000007702	2.37E-10	1.93E-10	RPP38	1.23E+00
ENSBTAG000000011425	2.02E-10	1.64E-10	PTPRA	1.23E+00
ENSBTAG000000000066	2.43E-10	1.97E-10	LRRN4	1.23E+00
ENSBTAG000000045928	3.81E-10	3.09E-10		1.23E+00
ENSBTAG000000008870	7.68E-10	6.23E-10	KCNS1	1.23E+00
ENSBTAG000000009165	2.11E-10	1.72E-10	LPIN3	1.23E+00
ENSBTAG000000019866	2.62E-10	2.12E-10	NRP1	1.24E+00

ENSBTAG00000011366	2.13E-10	1.71E-10		1.25E+00
ENSBTAG00000027446	5.10E-10	4.11E-10	RSU1	1.24E+00
ENSBTAG00000003815	4.48E-10	3.60E-10	EDEM2	1.24E+00
ENSBTAG00000002236	2.88E-10	2.31E-10	TRPC4AP	1.24E+00
ENSBTAG00000027387	1.41E-10	1.13E-10	NRSN2	1.25E+00
ENSBTAG00000003256	5.35E-10	4.29E-10	TOMM34	1.25E+00
ENSBTAG00000015438	2.80E-10	2.24E-10		1.25E+00
ENSBTAG00000008410	2.56E-10	2.04E-10	OVOL2	1.25E+00
ENSBTAG00000010024	6.91E-10	5.51E-10	MMP24	1.25E+00
ENSBTAG00000008687	1.95E-10	1.55E-10	PCSK2	1.26E+00
ENSBTAG00000020546	6.65E-10	5.30E-10	TRDMT1	1.25E+00
ENSBTAG00000011882	4.12E-10	3.28E-10	SLC24A3	1.26E+00
ENSBTAG00000014438	1.21E-10	9.70E-11	SS18L1	1.25E+00
ENSBTAG00000011541	1.60E-10	1.27E-10	RBL1	1.26E+00
ENSBTAG00000022570	7.15E-10	5.64E-10		1.27E+00
ENSBTAG00000014178	6.73E-10	5.30E-10	RALGAPA2	1.27E+00
ENSBTAG00000010934	1.11E-10	8.75E-11	RAE1	1.27E+00
ENSBTAG00000020166	3.17E-10	2.49E-10	ZNFX1	1.27E+00
ENSBTAG00000016279	3.51E-10	2.76E-10	EMILIN3	1.27E+00
ENSBTAG00000020800	3.15E-10	2.47E-10	BEND7	1.27E+00
ENSBTAG00000021857	4.59E-10	3.59E-10	ARHGAP21	1.28E+00
ENSBTAG00000015724	6.27E-10	4.89E-10	BPIFB1	1.28E+00
ENSBTAG00000019752	1.16E-09	9.01E-10		1.28E+00
ENSBTAG00000012116	4.78E-10	3.72E-10	HNF4A	1.28E+00
ENSBTAG00000016388	1.96E-10	1.52E-10	SLCO4A1	1.29E+00
ENSBTAG00000002123	1.53E-10	1.20E-10	MYO3A	1.28E+00
ENSBTAG00000008288	5.67E-10	4.40E-10	ANKRD26	1.29E+00
ENSBTAG00000020261	5.22E-10	4.04E-10	CDH26	1.29E+00
ENSBTAG00000022931	5.48E-10	4.22E-10		1.30E+00
ENSBTAG00000006639	1.38E-10	1.06E-10	CSTF1	1.30E+00
ENSBTAG00000016846	1.91E-10	1.46E-10	YWHAB	1.31E+00
ENSBTAG00000008938	2.43E-10	1.86E-10	SRC	1.31E+00
ENSBTAG00000018784	2.42E-10	1.85E-10	CTSZ	1.31E+00
ENSBTAG00000034441	6.34E-10	4.84E-10	MACROD2	1.31E+00
ENSBTAG00000003422	1.59E-10	1.21E-10		1.31E+00
ENSBTAG00000019509	2.72E-10	2.07E-10	NUDT5	1.31E+00
ENSBTAG00000001785	4.85E-10	3.69E-10	TGM3	1.31E+00
ENSBTAG00000020929	4.79E-10	3.62E-10	ARMC3	1.32E+00
ENSBTAG00000018535	1.26E-09	9.54E-10	CDKSRAP1	1.33E+00
ENSBTAG00000027407	2.72E-10	2.05E-10	TNFRSF6B	1.33E+00
ENSBTAG00000003863	4.02E-10	3.03E-10	PCED1A	1.33E+00
ENSBTAG00000045671	5.17E-10	3.90E-10		1.33E+00
ENSBTAG00000003212	3.43E-10	2.59E-10	NNAT	1.33E+00
ENSBTAG00000046623	9.49E-10	7.15E-10		1.33E+00
ENSBTAG000000032694	6.65E-10	4.96E-10	CST8	1.34E+00
ENSBTAG00000007213	1.41E-09	1.05E-09		1.34E+00
ENSBTAG00000021321	2.09E-10	1.55E-10	SDCBP2	1.35E+00
ENSBTAG00000045555	1.24E-10	9.18E-11		1.35E+00
ENSBTAG00000016127	4.78E-10	3.54E-10	ELP	1.35E+00
ENSBTAG00000048047	1.26E-09	9.31E-10		1.35E+00
ENSBTAG00000001314	2.80E-10	2.06E-10	TRMT6	1.36E+00
ENSBTAG000000031402	1.44E-10	1.05E-10	ASXL1	1.37E+00
ENSBTAG00000020676	2.13E-10	1.55E-10	MMP9	1.37E+00
ENSBTAG00000004622	2.36E-10	1.72E-10	DZANK1	1.37E+00
ENSBTAG00000013009	1.79E-10	1.30E-10	AURKA	1.37E+00
ENSBTAG00000010330	2.41E-10	1.74E-10		1.38E+00
ENSBTAG00000016060	1.41E-10	1.02E-10	CREM	1.38E+00
ENSBTAG00000023216	4.42E-10	3.19E-10		1.38E+00
ENSBTAG00000002758	1.58E-10	1.14E-10	THBD	1.38E+00
ENSBTAG00000013079	2.88E-10	2.06E-10	CTCFL	1.40E+00
ENSBTAG00000014991	4.14E-10	2.98E-10	PARD3	1.39E+00
ENSBTAG00000005571	1.09E-10	7.81E-11	PHF20	1.40E+00
ENSBTAG00000000308	3.25E-10	2.33E-10		1.39E+00
ENSBTAG00000017243	1.97E-10	1.41E-10	GATA3	1.39E+00
ENSBTAG00000043964	1.50E-10	1.07E-10	ARLSB	1.40E+00
ENSBTAG00000002822	3.53E-10	2.50E-10	CNBD2	1.41E+00
ENSBTAG00000006616	1.34E-10	9.35E-11	PTPN1	1.43E+00
ENSBTAG00000038057	7.10E-10	4.96E-10		1.43E+00
ENSBTAG00000034077	3.19E-10	2.21E-10	ASIP	1.45E+00
ENSBTAG00000008825	1.16E-10	8.06E-11	POLR3F	1.44E+00

ENSBTAG00000047454	1.91E-10	1.31E-10	OLAH	1.46E+00
ENSBTAG00000046074	3.38E-10	2.32E-10		1.46E+00
ENSBTAG00000003635	1.22E-10	8.41E-11	SLC35C2	1.46E+00
ENSBTAG00000038687	8.19E-10	5.60E-10	BPIFB3	1.46E+00
ENSBTAG00000005072	5.14E-10	3.51E-10	CUBN	1.46E+00
ENSBTAG00000048262	6.57E-10	4.47E-10	ACTR5	1.47E+00
ENSBTAG00000011263	1.81E-10	1.23E-10		1.47E+00
ENSBTAG00000023169	8.98E-10	6.11E-10		1.47E+00
ENSBTAG00000008937	3.43E-10	2.33E-10	CELF2	1.47E+00
ENSBTAG00000003209	3.91E-10	2.66E-10	BLCAP	1.47E+00
ENSBTAG00000048087	1.20E-09	8.11E-10		1.47E+00
ENSBTAG00000001144	1.73E-10	1.17E-10	NAA20	1.47E+00
ENSBTAG00000004620	4.49E-10	3.04E-10		1.48E+00
ENSBTAG000000019200	6.10E-10	4.12E-10	BPIFB2	1.48E+00
ENSBTAG00000030990	3.06E-10	2.06E-10	UQCC1	1.48E+00
ENSBTAG00000018063	3.36E-10	2.26E-10	SPATA2	1.49E+00
ENSBTAG000000016741	3.14E-10	2.11E-10	TOX2	1.49E+00
ENSBTAG000000001645	4.76E-10	3.17E-10	AAR2	1.50E+00
ENSBTAG00000034991	3.93E-10	2.60E-10	SLX4IP	1.51E+00
ENSBTAG00000021685	2.24E-10	1.48E-10	EEF1A2	1.51E+00
ENSBTAG000000039520	1.09E-09	7.16E-10		1.52E+00
ENSBTAG000000011283	1.87E-10	1.23E-10	RBPJL	1.52E+00
ENSBTAG000000003977	1.49E-10	9.73E-11	SLC52A3	1.54E+00
ENSBTAG00000002836	2.12E-10	1.38E-10	TAF3	1.54E+00
ENSBTAG000000000241	4.26E-10	2.76E-10	STAU1	1.54E+00
ENSBTAG000000013007	2.54E-10	1.65E-10	FAM210B	1.54E+00
ENSBTAG00000046520	2.40E-10	1.54E-10		1.56E+00
ENSBTAG00000040490	5.56E-10	3.55E-10		1.57E+00
ENSBTAG000000005915	6.10E-10	3.90E-10	SFMBT2	1.56E+00
ENSBTAG00000022000	3.65E-10	2.33E-10	CACNB2	1.57E+00
ENSBTAG000000011940	3.63E-10	2.30E-10	ZNF831	1.58E+00
ENSBTAG000000014075	3.48E-10	2.21E-10	ITIH2	1.58E+00
ENSBTAG000000008323	5.64E-10	3.57E-10	SNAP25	1.58E+00
ENSBTAG000000008638	1.67E-10	1.05E-10	FAM110A	1.59E+00
ENSBTAG000000013330	1.29E-10	8.15E-11	TBC1D20	1.59E+00
ENSBTAG000000044047	6.06E-11	3.82E-11	SKIDA1	1.59E+00
ENSBTAG000000045609	1.05E-10	6.60E-11		1.59E+00
ENSBTAG000000031462	1.04E-10	6.58E-11		1.59E+00
ENSBTAG000000008027	3.25E-10	2.04E-10	AVP	1.59E+00
ENSBTAG000000016451	9.32E-11	5.87E-11	HSPA14	1.59E+00
ENSBTAG000000006243	2.23E-10	1.41E-10	GCNT7	1.58E+00
ENSBTAG00000020454	2.33E-10	1.47E-10	LZTS3	1.58E+00
ENSBTAG000000008826	1.52E-10	9.54E-11	RBBP9	1.59E+00
ENSBTAG000000013854	1.96E-10	1.24E-10	CALML5	1.58E+00
ENSBTAG000000039490	2.53E-10	1.59E-10	WFDC8	1.59E+00
ENSBTAG000000017568	4.41E-10	2.77E-10	WFDC13	1.59E+00
ENSBTAG000000004148	2.14E-10	1.35E-10	SLPI	1.59E+00
ENSBTAG000000047894	3.71E-10	2.34E-10	SLC32A1	1.59E+00
ENSBTAG000000012407	2.49E-10	1.56E-10	FOXA2	1.59E+00
ENSBTAG000000006063	2.54E-10	1.60E-10		1.59E+00
ENSBTAG000000046725	1.47E-10	9.26E-11		1.59E+00
ENSBTAG000000008338	6.89E-10	4.31E-10	PLCB1	1.60E+00
ENSBTAG000000007922	4.58E-10	2.85E-10	RNF24	1.61E+00
ENSBTAG000000021669	2.16E-10	1.34E-10	SOGA1	1.61E+00
ENSBTAG000000017584	3.81E-10	2.36E-10	PLCG1	1.62E+00
ENSBTAG000000018981	2.71E-10	1.68E-10	TMEM236	1.61E+00
ENSBTAG000000022922	4.72E-10	2.91E-10		1.62E+00
ENSBTAG000000003494	2.10E-10	1.27E-10	C20orf194	1.65E+00
ENSBTAG000000004916	3.34E-10	2.00E-10	ARFGAP1	1.67E+00
ENSBTAG000000003215	2.18E-10	1.31E-10	KIF3B	1.66E+00
ENSBTAG000000018395	6.22E-10	3.72E-10	KIAA1217	1.67E+00
ENSBTAG000000000939	4.57E-10	2.73E-10	KIF16B	1.67E+00
ENSBTAG000000046375	1.05E-09	6.26E-10		1.67E+00
ENSBTAG000000021558	2.07E-10	1.23E-10		1.68E+00
ENSBTAG000000000660	5.91E-10	3.51E-10	FAM83D	1.68E+00
ENSBTAG000000010023	4.01E-10	2.37E-10		1.69E+00
ENSBTAG000000012626	3.05E-10	1.80E-10	B4GALT5	1.70E+00
ENSBTAG000000031524	3.67E-10	2.15E-10	PMEP1	1.71E+00
ENSBTAG000000022564	7.63E-10	4.48E-10		1.70E+00
ENSBTAG000000012817	2.99E-10	1.74E-10	JAG1	1.72E+00

ENSBTAG00000003640	2.40E-10	1.39E-10	GJD4	1.72E+00
ENSBTAG00000013004	6.33E-10	3.66E-10	ITIH5	1.73E+00
ENSBTAG00000016926	1.92E-10	1.11E-10	C20orf85	1.73E+00
ENSBTAG00000044210	6.26E-11	3.59E-11	SPO11	1.74E+00
ENSBTAG00000020797	1.70E-10	9.71E-11	CABLES2	1.75E+00
ENSBTAG00000001936	2.95E-10	1.69E-10	PCK1	1.74E+00
ENSBTAG00000000653	6.27E-10	3.57E-10	PPP1R16B	1.75E+00
ENSBTAG00000027317	3.74E-10	2.13E-10	RNF114	1.75E+00
ENSBTAG00000015058	2.75E-10	1.56E-10	CDH4	1.76E+00
ENSBTAG000000027420	3.79E-10	2.15E-10		1.76E+00
ENSBTAG00000008348	1.80E-10	1.01E-10		1.78E+00
ENSBTAG00000020892	2.06E-10	1.16E-10	IL2RA	1.78E+00
ENSBTAG00000006002	3.50E-10	1.97E-10	DIDO1	1.78E+00
ENSBTAG00000009291	5.01E-10	2.81E-10	CFAP61	1.78E+00
ENSBTAG00000007133	2.90E-10	1.62E-10	CUL2	1.79E+00
ENSBTAG00000038929	4.22E-10	2.36E-10	BCAS4	1.79E+00
ENSBTAG00000007700	2.05E-10	1.14E-10		1.80E+00
ENSBTAG00000006278	3.66E-10	2.02E-10	FAM83C	1.81E+00
ENSBTAG00000007960	2.34E-10	1.29E-10	TOP1	1.81E+00
ENSBTAG00000038974	1.35E-10	7.41E-11	STMN3	1.81E+00
ENSBTAG00000016294	2.65E-10	1.44E-10	ZNF438	1.84E+00
ENSBTAG00000038453	6.99E-10	3.80E-10		1.84E+00
ENSBTAG00000008787	3.64E-10	1.98E-10	FAM171A1	1.84E+00
ENSBTAG00000001741	5.58E-10	3.02E-10	DLGAP4	1.85E+00
ENSBTAG00000013928	1.61E-10	8.66E-11	WFDC2	1.85E+00
ENSBTAG00000018033	3.85E-10	2.08E-10	PIP4K2A	1.85E+00
ENSBTAG00000027405	2.21E-10	1.19E-10	FNDC11	1.86E+00
ENSBTAG00000032156	4.00E-10	2.16E-10		1.85E+00
ENSBTAG00000003949	1.72E-10	9.23E-11	RBM39	1.86E+00
ENSBTAG00000047991	2.02E-10	1.08E-10		1.87E+00
ENSBTAG00000003504	3.45E-10	1.84E-10	GSS	1.87E+00
ENSBTAG00000017740	4.60E-10	2.43E-10		1.89E+00
ENSBTAG00000002280	4.64E-10	2.45E-10	KIF5B	1.89E+00
ENSBTAG00000013116	6.30E-10	3.33E-10	PLCB4	1.89E+00
ENSBTAG00000045520	4.60E-10	2.42E-10	PDYN	1.90E+00
ENSBTAG00000015080	3.42E-10	1.79E-10	PHACTR3	1.91E+00
ENSBTAG00000001320	3.36E-10	1.77E-10	VPS16	1.90E+00
ENSBTAG00000016677	1.45E-10	7.60E-11	C1QL3	1.91E+00
ENSBTAG00000000654	5.82E-10	2.99E-10	ARMC4	1.95E+00
ENSBTAG00000005286	2.39E-10	1.23E-10	TGIF2	1.94E+00
ENSBTAG00000045630	6.26E-10	3.21E-10		1.95E+00
ENSBTAG00000015910	2.01E-10	1.03E-10	ITGB1	1.95E+00
ENSBTAG00000047869	1.06E-09	5.40E-10		1.96E+00
ENSBTAG00000007602	5.75E-10	2.92E-10	ITGA8	1.97E+00
ENSBTAG00000031188	4.84E-10	2.46E-10	ADIG	1.97E+00
ENSBTAG00000012297	3.16E-10	1.60E-10	FAM65C	1.97E+00
ENSBTAG00000006578	3.45E-10	1.73E-10	SPEF1	1.99E+00
ENSBTAG000000031716	2.57E-10	1.29E-10	MRGBP	1.99E+00
ENSBTAG00000011655	1.13E-10	5.69E-11	SAMD10	1.98E+00
ENSBTAG00000018334	1.24E-10	6.27E-11	PLAGL2	1.98E+00
ENSBTAG00000014194	3.63E-10	1.80E-10	ADARB2	2.01E+00
ENSBTAG00000013056	7.35E-10	3.63E-10	SUN5	2.03E+00
ENSBTAG00000008821	1.98E-10	9.74E-11	SEPHS1	2.03E+00
ENSBTAG00000012341	1.39E-10	6.83E-11	CSNK2A1	2.03E+00
ENSBTAG00000006096	1.93E-10	9.50E-11		2.03E+00
ENSBTAG00000008472	2.79E-10	1.37E-10	CRNKL1	2.03E+00
ENSBTAG00000017346	1.77E-10	8.63E-11	RASSF2	2.05E+00
ENSBTAG00000010664	4.20E-10	2.06E-10	PRKCQ	2.04E+00
ENSBTAG00000017244	2.49E-10	1.22E-10		2.04E+00
ENSBTAG00000033397	2.77E-10	1.35E-10		2.05E+00
ENSBTAG00000013574	3.83E-10	1.87E-10	ANKRD60	2.05E+00
ENSBTAG00000006529	3.75E-10	1.82E-10	PDSS1	2.06E+00
ENSBTAG00000017424	3.15E-10	1.52E-10	VAPB	2.07E+00
ENSBTAG00000006533	3.67E-10	1.78E-10	NSFL1C	2.06E+00
ENSBTAG00000007498	2.82E-10	1.36E-10		2.07E+00
ENSBTAG00000016171	1.16E-09	5.48E-10	COX4I2	2.11E+00
ENSBTAG00000047150	2.70E-10	1.27E-10		2.12E+00
ENSBTAG00000003257	6.50E-10	3.07E-10	STK4	2.12E+00
ENSBTAG00000016664	2.21E-10	1.04E-10	SLC2A4RG	2.13E+00
ENSBTAG00000004402	3.03E-10	1.43E-10	PRELID3B	2.12E+00

ENSBTAG00000008026	7.23E-10	3.40E-10	OXT	2.13E+00
ENSBTAG00000001420	2.88E-10	1.36E-10	ABHD12	2.12E+00
ENSBTAG000000017012	4.00E-10	1.88E-10		2.13E+00
ENSBTAG000000027419	6.01E-10	2.80E-10		2.14E+00
ENSBTAG000000018732	2.51E-10	1.16E-10	HSPA12B	2.17E+00
ENSBTAG000000021033	3.46E-10	1.59E-10	SGK2	2.18E+00
ENSBTAG000000039016	1.45E-09	6.63E-10		2.18E+00
ENSBTAG000000027444	3.68E-10	1.69E-10		2.17E+00
ENSBTAG000000046981	2.65E-10	1.22E-10		2.17E+00
ENSBTAG000000003380	1.65E-10	7.55E-11	KCNK15	2.18E+00
ENSBTAG000000006962	1.58E-10	7.24E-11	NFS1	2.18E+00
ENSBTAG00000000598	2.30E-10	1.05E-10		2.19E+00
ENSBTAG000000018785	1.82E-10	8.31E-11	TUBB1	2.18E+00
ENSBTAG000000015127	2.28E-10	1.04E-10	SDC4	2.19E+00
ENSBTAG000000003512	1.22E-10	5.56E-11	MYH7B	2.20E+00
ENSBTAG000000022007	1.02E-10	4.62E-11	SAMHD1	2.21E+00
ENSBTAG000000006539	1.91E-10	8.59E-11		2.22E+00
ENSBTAG000000008527	2.03E-10	9.11E-11	SRSF6	2.22E+00
ENSBTAG000000020382	6.33E-10	2.83E-10	RIN2	2.24E+00
ENSBTAG000000031354	5.17E-10	2.28E-10		2.27E+00
ENSBTAG000000027320	4.16E-10	1.83E-10	KCNB1	2.27E+00
ENSBTAG000000021096	2.99E-10	1.31E-10		2.28E+00
ENSBTAG000000011304	4.39E-10	1.92E-10	XRN2	2.29E+00
ENSBTAG000000015525	2.59E-10	1.13E-10	SLC39A12	2.29E+00
ENSBTAG000000002593	2.59E-10	1.13E-10	GDAP1L1	2.29E+00
ENSBTAG000000005969	2.43E-10	1.05E-10	EIF2S2	2.31E+00
ENSBTAG000000016676	5.90E-10	2.56E-10	PTER	2.31E+00
ENSBTAG000000003101	3.30E-10	1.43E-10	SALL4	2.31E+00
ENSBTAG000000007721	4.16E-10	1.78E-10	DPM1	2.33E+00
ENSBTAG000000019984	1.73E-09	7.36E-10	GINS1	2.36E+00
ENSBTAG000000001038	2.18E-10	9.15E-11	SNRPB	2.38E+00
ENSBTAG000000005504	1.56E-10	6.55E-11	TP53INP2	2.38E+00
ENSBTAG0000000048079	1.84E-10	7.71E-11		2.38E+00
ENSBTAG000000039208	3.34E-10	1.40E-10		2.38E+00
ENSBTAG000000008436	2.56E-10	1.08E-10	CDC25B	2.37E+00
ENSBTAG000000000686	1.50E-10	6.31E-11	NANP	2.38E+00
ENSBTAG000000020795	1.95E-10	8.19E-11		2.38E+00
ENSBTAG000000002858	1.41E-10	5.90E-11	ACBD7	2.38E+00
ENSBTAG000000039071	5.79E-10	2.40E-10	ANKRD16	2.41E+00
ENSBTAG0000000007678	3.38E-10	1.40E-10	MKX	2.41E+00
ENSBTAG000000007920	4.87E-10	2.00E-10	PANK2	2.43E+00
ENSBTAG000000021811	3.96E-10	1.62E-10	ANGPT4	2.44E+00
ENSBTAG000000004911	1.12E-09	4.58E-10	BIRC7	2.45E+00
ENSBTAG000000022571	3.68E-10	1.50E-10		2.45E+00
ENSBTAG000000015949	3.03E-10	1.22E-10		2.48E+00
ENSBTAG000000016724	1.30E-10	5.25E-11	NPEPL1	2.48E+00
ENSBTAG000000039289	8.00E-10	3.20E-10		2.50E+00
ENSBTAG000000013753	3.17E-10	1.26E-10	DDR GK1	2.51E+00
ENSBTAG000000038048	3.30E-10	1.30E-10	MRC1	2.54E+00
ENSBTAG000000005492	1.82E-10	7.15E-11	CCNY	2.54E+00
ENSBTAG000000044137	6.46E-10	2.54E-10		2.54E+00
ENSBTAG000000015379	3.04E-10	1.19E-10	UBOX5	2.56E+00
ENSBTAG000000018101	4.13E-10	1.58E-10	AHCY	2.61E+00
ENSBTAG000000014176	3.87E-10	1.47E-10	REM1	2.63E+00
ENSBTAG000000006134	5.99E-10	2.27E-10	DYNLRB1	2.64E+00
ENSBTAG000000018263	2.18E-10	8.27E-11	WAC	2.63E+00
ENSBTAG000000008650	7.09E-10	2.65E-10	CAMK1D	2.68E+00
ENSBTAG000000014769	1.39E-10	5.16E-11	GMEB2	2.70E+00
ENSBTAG000000016208	6.06E-10	2.25E-10	TGM2	2.69E+00
ENSBTAG000000019726	7.95E-10	2.94E-10	ANKEF1	2.70E+00
ENSBTAG000000011279	1.98E-10	7.34E-11	MATN4	2.70E+00
ENSBTAG000000047302	4.08E-10	1.50E-10		2.72E+00
ENSBTAG000000014554	3.22E-10	1.18E-10	SNAI1	2.72E+00
ENSBTAG000000007497	3.19E-10	1.17E-10	ARFRP1	2.73E+00
ENSBTAG000000027409	3.77E-10	1.38E-10	SLC4A11	2.73E+00
ENSBTAG000000013776	4.69E-10	1.69E-10	ITPA	2.77E+00
ENSBTAG000000010131	3.87E-10	1.40E-10	CBFA2T2	2.77E+00
ENSBTAG000000007501	2.40E-10	8.61E-11		2.78E+00
ENSBTAG000000003425	3.40E-10	1.22E-10	MGME1	2.79E+00
ENSBTAG000000040046	3.34E-10	1.20E-10		2.78E+00

ENSBTAG00000018811	5.33E-10	1.91E-10	TMC2	2.79E+00
ENSBTAG00000030564	9.25E-10	3.31E-10		2.79E+00
ENSBTAG00000012677	3.21E-10	1.14E-10	ARHGAP12	2.82E+00
ENSBTAG00000020397	3.56E-10	1.26E-10	APCDD1L	2.83E+00
ENSBTAG00000007703	2.35E-10	8.25E-11	NMT2	2.85E+00
ENSBTAG00000044091	2.34E-10	8.18E-11	PTK6	2.86E+00
ENSBTAG00000003872	1.69E-10	5.89E-11	STX16-NPEPL1	2.87E+00
ENSBTAG00000006802	8.57E-10	2.95E-10	BPIFA3	2.91E+00
ENSBTAG00000011646	1.62E-10	5.56E-11	ZNF512B	2.91E+00
ENSBTAG00000007917	2.94E-10	1.01E-10	TSHZ2	2.91E+00
ENSBTAG00000004207	3.04E-10	1.04E-10	CD93	2.92E+00
ENSBTAG00000014252	7.34E-10	2.51E-10	SPTLC3	2.92E+00
ENSBTAG00000001829	3.38E-10	1.15E-10	SLC17A9	2.93E+00
ENSBTAG00000006526	2.76E-10	9.38E-11	BCL2L1	2.94E+00
ENSBTAG000000037453	4.22E-10	1.43E-10		2.95E+00
ENSBTAG00000013416	3.06E-10	1.03E-10		2.97E+00
ENSBTAG00000006135	7.48E-10	2.50E-10	MAP1LC3A	2.99E+00
ENSBTAG00000018978	4.58E-10	1.53E-10	KAT14	3.00E+00
ENSBTAG00000016445	3.22E-10	1.08E-10	YME1L1	2.98E+00
ENSBTAG00000003971	3.76E-10	1.24E-10	E2F1	3.03E+00
ENSBTAG00000000516	5.98E-10	1.98E-10	OTOR	3.02E+00
ENSBTAG00000020813	1.74E-09	5.72E-10		3.04E+00
ENSBTAG00000003561	3.72E-10	1.21E-10	STK35	3.07E+00
ENSBTAG00000018053	4.05E-10	1.31E-10	RAB22A	3.09E+00
ENSBTAG000000039693	6.42E-10	2.07E-10		3.10E+00
ENSBTAG00000008303	5.19E-10	1.67E-10		3.11E+00
ENSBTAG00000003946	3.41E-10	1.09E-10	NECAB3	3.13E+00
ENSBTAG00000015798	2.92E-10	9.18E-11	UCKL1	3.18E+00
ENSBTAG00000014442	1.45E-10	4.57E-11	MTG2	3.17E+00
ENSBTAG00000001985	3.42E-10	1.07E-10	SRMS	3.19E+00
ENSBTAG000000032687	3.66E-10	1.15E-10		3.18E+00
ENSBTAG000000027316	3.17E-10	9.97E-11	UBE2V1	3.18E+00
ENSBTAG00000002675	1.34E-10	4.23E-11	CCDC7	3.17E+00
ENSBTAG00000006671	3.24E-10	1.02E-10	DDX27	3.18E+00
ENSBTAG00000017594	3.48E-10	1.09E-10	ZHX3	3.19E+00
ENSBTAG00000005573	3.95E-10	1.24E-10	SCAND1	3.18E+00
ENSBTAG00000019811	3.47E-10	1.08E-10	HAO1	3.21E+00
ENSBTAG00000006352	4.32E-10	1.32E-10	MYT1	3.27E+00
ENSBTAG00000013915	8.74E-11	2.59E-11	DSN1	3.36E+00
ENSBTAG00000011620	6.55E-10	1.93E-10	PIGU	3.39E+00
ENSBTAG00000004273	7.61E-10	2.23E-10	CST7	3.41E+00
ENSBTAG00000004625	9.15E-10	2.67E-10	PYGB	3.43E+00
ENSBTAG00000047137	4.16E-10	1.21E-10		3.44E+00
ENSBTAG00000017278	5.19E-10	1.49E-10	ACBD5	3.48E+00
ENSBTAG00000021837	3.23E-10	9.23E-11	RGS19	3.50E+00
ENSBTAG000000031715	8.22E-10	2.34E-10	PCMTD2	3.51E+00
ENSBTAG00000019504	6.28E-10	1.75E-10	ADRA1D	3.59E+00
ENSBTAG000000030796	6.36E-10	1.77E-10	WFDC10A	3.59E+00
ENSBTAG000000033291	1.35E-10	3.71E-11	SPAG6	3.64E+00
ENSBTAG00000003040	2.73E-10	7.40E-11	RALGAPB	3.69E+00
ENSBTAG00000017098	3.84E-10	1.02E-10	BPIFA1	3.76E+00
ENSBTAG00000001112	3.87E-10	1.03E-10	SMOX	3.76E+00
ENSBTAG00000001827	5.06E-10	1.34E-10	GID8	3.77E+00
ENSBTAG00000016231	1.24E-10	3.17E-11	POFUT1	3.90E+00
ENSBTAG000000030802	1.89E-10	4.76E-11		3.97E+00
ENSBTAG000000021423	2.26E-10	5.67E-11	LKAAEAR1	3.97E+00
ENSBTAG00000003962	2.66E-10	6.69E-11	C20orf144	3.97E+00
ENSBTAG00000005750	2.06E-10	5.18E-11	TCF15	3.97E+00
ENSBTAG00000007490	6.51E-10	1.63E-10	SULF2	3.99E+00
ENSBTAG000000021817	7.08E-10	1.77E-10		4.00E+00
ENSBTAG00000021368	7.58E-10	1.89E-10		4.01E+00
ENSBTAG000000031214	4.78E-10	1.18E-10		4.05E+00
ENSBTAG000000011656	2.54E-10	6.22E-11	PRPF6	4.08E+00
ENSBTAG00000044015	3.53E-10	8.32E-11	RBM12	4.24E+00
ENSBTAG00000010913	4.28E-10	9.96E-11	SRXN1	4.29E+00
ENSBTAG00000016667	2.85E-10	6.58E-11	ZBTB46	4.33E+00
ENSBTAG00000006742	7.35E-10	1.69E-10	PAX1	4.35E+00
ENSBTAG000000026119	6.31E-10	1.44E-10		4.38E+00
ENSBTAG00000015796	2.66E-10	6.05E-11	DNAJC5	4.39E+00
ENSBTAG000000039313	4.91E-10	1.11E-10	ZNF341	4.42E+00



ENSBTAG00000005937	6.15E-10	1.39E-10	TLL9	4.42E+00
ENSBTAG00000031278	2.03E-10	4.50E-11	SNPH	4.50E+00
ENSBTAG00000004582	4.50E-10	9.90E-11	COL20A1	4.55E+00
ENSBTAG00000009743	5.35E-10	1.14E-10	PDRG1	4.69E+00
ENSBTAG00000037757	7.90E-10	1.67E-10	EBF4	4.73E+00
ENSBTAG00000013387	5.96E-10	1.23E-10	CHMP4B	4.84E+00
ENSBTAG00000017271	3.56E-10	7.30E-11	MASTL	4.87E+00
ENSBTAG00000037464	5.64E-10	1.15E-10	TGM6	4.90E+00
ENSBTAG00000010135	4.52E-10	9.19E-11	TMEM189	4.92E+00
ENSBTAG00000007930	3.72E-10	7.55E-11	NCOA6	4.92E+00
ENSBTAG00000000825	9.02E-10	1.81E-10	MRPS26	4.98E+00
ENSBTAG00000031373	1.07E-09	2.10E-10		5.09E+00
ENSBTAG00000003030	5.84E-10	1.14E-10	KCNQ2	5.12E+00
ENSBTAG00000014930	4.01E-10	7.79E-11	MYLK2	5.14E+00
ENSBTAG00000017587	8.32E-10	1.60E-10		5.20E+00
ENSBTAG00000006955	3.87E-10	7.18E-11	CPNE1	5.38E+00
ENSBTAG00000011473	6.30E-10	1.17E-10	MYL9	5.38E+00
ENSBTAG00000013303	3.58E-10	6.61E-11	ACSS2	5.41E+00
ENSBTAG00000007722	9.60E-10	1.77E-10	MOCS3	5.42E+00
ENSBTAG00000018735	4.35E-10	7.92E-11	C20orf27	5.49E+00
ENSBTAG00000010387	3.28E-10	5.95E-11	FAM188A	5.51E+00
ENSBTAG00000016524	6.65E-10	1.20E-10	RALY	5.54E+00
ENSBTAG00000021836	2.25E-10	4.04E-11	TCEA2	5.55E+00
ENSBTAG00000014329	1.05E-09	1.88E-10		5.59E+00
ENSBTAG00000023002	6.61E-10	1.05E-10	JPH2	6.29E+00
ENSBTAG00000048288	3.02E-10	4.75E-11	DEFB129	6.36E+00
ENSBTAG00000006949	4.19E-10	6.58E-11	SPAG4	6.36E+00
ENSBTAG00000020988	5.17E-10	7.75E-11	KIZ	6.66E+00
ENSBTAG00000013415	2.12E-10	3.08E-11	CST11	6.86E+00
ENSBTAG00000008969	5.52E-10	7.97E-11	SLC9A8	6.92E+00
ENSBTAG00000021232	2.32E-10	3.24E-11	TPD52L2	7.14E+00
ENSBTAG00000017198	6.33E-10	8.82E-11	CHRNA4	7.17E+00
ENSBTAG00000005184	5.13E-10	7.16E-11	TP53TG5	7.16E+00
ENSBTAG00000007977	9.14E-10	1.20E-10	LAMP5	7.61E+00
ENSBTAG00000008840	4.54E-10	5.83E-11	HM13	7.77E+00
ENSBTAG00000032701	7.25E-10	9.08E-11	CSTL1	7.98E+00
ENSBTAG00000019304	3.01E-10	3.60E-11	BTBD3	8.33E+00
ENSBTAG00000018775	3.12E-10	3.63E-11	TPX2	8.57E+00
ENSBTAG00000038738	5.83E-10	6.70E-11	PXMP4	8.69E+00
ENSBTAG00000017679	1.12E-09	1.24E-10	PAK5	9.02E+00
ENSBTAG00000032366	3.71E-10	3.87E-11	SLC23A2	9.57E+00
ENSBTAG00000005181	3.04E-10	2.94E-11	SYS1	1.03E+01
ENSBTAG00000025720	5.99E-10	5.37E-11		1.11E+01
ENSBTAG00000037969	9.75E-10	7.40E-11		1.32E+01
ENSBTAG00000012406	4.34E-10	3.14E-11	ZBP1	1.38E+01
ENSBTAG00000035323	3.43E-10	1.22E-11		2.79E+01
ENSBTAG00000009005	4.48E-10	1.22E-11	DUSP15	3.64E+01
ENSBTAG00000024139	3.50E-10	0	OR4S2	3.50E+03
ENSBTAG00000015584	0	0		1.00E+00
ENSBTAG00000015072	0	0		1.00E+00
ENSBTAG00000045526	0	0	INSM1	1.00E+00
ENSBTAG00000035643	2.80E-10	0		2.80E+03
ENSBTAG00000045753	0	0		1.00E+00
ENSBTAG00000045784	1.73E-10	0		1.74E+03
ENSBTAG00000021816	2.39E-10	0	TMEM239	2.39E+03
ENSBTAG00000047704	2.71E-10	0	NPBWR2	2.71E+03
ENSBTAG00000045701	1.78E-10	0	OPRL1	1.78E+03
ENSBTAG00000011662	1.15E-10	0	SOX18	1.15E+03
ENSBTAG00000031800	2.41E-10	0	PPDPF	2.41E+03
ENSBTAG00000016169	2.12E-10	0	ID1	2.12E+03
ENSBTAG00000027361	1.07E-10	0	ROMO1	1.07E+03
ENSBTAG00000024891	1.08E-09	0		1.08E+04
ENSBTAG00000035199	1.25E-09	0	MRPL33	1.25E+04
ENSBTAG00000045631	3.60E-10	0		3.60E+03
ENSBTAG00000027416	2.02E-10	0	CALML3	2.03E+03
ENSBTAG00000027221	3.53E-10	0		3.53E+03
ENSBTAG00000031906	1.46E-10	0	ABHD16B	1.46E+03
ENSBTAG00000024608	0	0		1.00E+00
ENSBTAG00000004712	1.10E-09	0	MC3R	1.10E+04
ENSBTAG00000002116	1.21E-10	0	ZCCHC3	1.21E+03

ENSBTAG00000009206	2.51E-10	0	FOXS1	2.51E+03
ENSBTAG00000047885	5.57E-10	0	ACTL10	5.57E+03
ENSBTAG00000003396	0	0	MAFB	1.00E+00
ENSBTAG00000046673	0	0		1.00E+00
ENSBTAG00000046704	1.38E-09	0		1.38E+04
ENSBTAG00000013408	0	1.40E-10	RBM12B	7.14E-04
ENSBTAG00000037399	0	1.98E-10		5.05E-04
ENSBTAG00000000312	7.80E-11	2.62E-10	GRINA	2.98E-01
ENSBTAG00000015717	1.41E-10	4.29E-10	HEY1	3.30E-01
ENSBTAG00000011922	1.30E-10	3.75E-10	PLEC	3.47E-01
ENSBTAG00000009677	9.82E-11	2.63E-10	PARP10	3.74E-01
ENSBTAG00000039141	8.92E-11	2.25E-10	TMEM74	3.97E-01
ENSBTAG00000022539	1.43E-10	3.61E-10	POLR2K	3.96E-01
ENSBTAG00000046121	4.54E-10	9.01E-10		5.04E-01
ENSBTAG00000033173	1.66E-10	3.13E-10	BHLHE22	5.29E-01
ENSBTAG00000021887	4.09E-10	6.88E-10	DPYS	5.95E-01
ENSBTAG00000004970	4.57E-11	7.68E-11	LRRC24	5.96E-01
ENSBTAG00000002192	8.73E-11	1.41E-10	C8orf46	6.19E-01
ENSBTAG00000026320	6.75E-11	1.06E-10	VPS28	6.37E-01
ENSBTAG00000004411	2.36E-10	3.67E-10	CRISPLD1	6.42E-01
ENSBTAG00000046208	7.89E-11	1.19E-10	SCRT1	6.64E-01
ENSBTAG00000014691	4.31E-10	6.38E-10	ARFGEF1	6.75E-01
ENSBTAG00000021009	4.44E-10	6.43E-10	TRIM55	6.91E-01
ENSBTAG00000047330	1.10E-10	1.58E-10	FABP5	6.96E-01
ENSBTAG00000020099	3.90E-10	5.53E-10	STMN2	7.06E-01
ENSBTAG00000032548	5.18E-10	7.32E-10	SYBU	7.08E-01
ENSBTAG00000016754	3.59E-10	5.03E-10	KLHL38	7.13E-01
ENSBTAG00000010276	1.26E-10	1.75E-10	RECQL4	7.22E-01
ENSBTAG00000008355	1.08E-10	1.50E-10	CPSF1	7.18E-01
ENSBTAG00000023218	2.07E-10	2.81E-10	UBE2V2	7.36E-01
ENSBTAG00000037571	1.76E-10	2.29E-10	EBAG9	7.67E-01
ENSBTAG00000040021	8.53E-10	1.11E-09		7.69E-01
ENSBTAG00000036304	5.80E-10	7.44E-10	CNGB3	7.80E-01
ENSBTAG00000020523	1.24E-10	1.57E-10	SLC10A5	7.93E-01
ENSBTAG00000021240	4.21E-10	5.31E-10	DCSTAMP	7.93E-01
ENSBTAG00000043978	2.17E-10	2.74E-10		7.93E-01
ENSBTAG00000026327	3.14E-11	3.96E-11		7.94E-01
ENSBTAG00000014607	4.36E-11	5.50E-11	EXOSC4	7.93E-01
ENSBTAG00000048160	4.21E-11	5.31E-11	TIGD5	7.93E-01
ENSBTAG00000032812	2.63E-10	3.31E-10		7.94E-01
ENSBTAG00000046932	8.84E-10	1.11E-09		7.96E-01
ENSBTAG00000006213	3.95E-10	4.98E-10		7.94E-01
ENSBTAG00000026344	7.75E-11	9.77E-11	MAFA	7.94E-01
ENSBTAG00000026309	9.76E-11	1.23E-10	ZHX2	7.94E-01
ENSBTAG00000020226	1.52E-10	1.91E-10	CHRAC1	7.94E-01
ENSBTAG00000007753	9.56E-11	1.20E-10	KIFC2	7.97E-01
ENSBTAG00000046031	3.22E-11	4.06E-11	C8orf82	7.95E-01
ENSBTAG00000002851	4.66E-10	5.88E-10		7.93E-01
ENSBTAG00000045579	4.09E-10	5.15E-10		7.94E-01
ENSBTAG00000017281	1.98E-10	2.50E-10	OPLAH	7.94E-01
ENSBTAG00000047607	1.46E-10	1.84E-10		7.94E-01
ENSBTAG00000034261	1.44E-10	1.81E-10		7.94E-01
ENSBTAG00000046358	3.75E-10	4.55E-10	PABPC1	8.24E-01
ENSBTAG00000046325	3.40E-10	4.09E-10	MCM4	8.31E-01
ENSBTAG00000000948	4.78E-10	5.74E-10	RAB2A	8.32E-01
ENSBTAG00000037526	3.93E-10	4.71E-10	FABP4	8.34E-01
ENSBTAG00000003789	3.28E-10	3.90E-10	KIAA1429	8.40E-01
ENSBTAG00000020312	1.18E-10	1.41E-10	NCOA2	8.39E-01
ENSBTAG00000039718	7.60E-10	9.01E-10	FABP9	8.44E-01
ENSBTAG00000008958	5.80E-10	6.79E-10	NSMAF	8.54E-01
ENSBTAG00000026350	3.41E-10	3.99E-10	SPATC1	8.53E-01
ENSBTAG00000007386	4.92E-10	5.74E-10	NUDCD1	8.57E-01
ENSBTAG00000008285	2.18E-10	2.54E-10	OXR1	8.58E-01
ENSBTAG00000011205	3.35E-10	3.89E-10		8.61E-01
ENSBTAG00000000199	2.25E-10	2.59E-10	PDP1	8.69E-01
ENSBTAG00000026172	3.57E-10	4.09E-10	FAM84B	8.72E-01
ENSBTAG00000032544	3.16E-10	3.62E-10	SPAG1	8.73E-01
ENSBTAG00000003339	1.20E-10	1.38E-10	ZBTB10	8.73E-01
ENSBTAG00000044080	5.73E-10	6.51E-10	CPA6	8.81E-01
ENSBTAG00000002062	4.17E-10	4.73E-10	TRPA1	8.81E-01

ENSBTAG00000019864	2.86E-10	3.25E-10	MAPK15	8.81E-01
ENSBTAG00000046435	7.30E-10	8.28E-10		8.82E-01
ENSBTAG00000006209	3.74E-10	4.20E-10	EXT1	8.91E-01
ENSBTAG00000019910	2.22E-10	2.49E-10	SDCBP	8.91E-01
ENSBTAG00000000707	1.25E-10	1.40E-10	WISP1	8.95E-01
ENSBTAG00000020143	1.78E-10	1.99E-10	RDH10	8.92E-01
ENSBTAG00000000620	1.82E-10	2.04E-10	MCMDC2	8.95E-01
ENSBTAG00000004792	5.55E-10	6.15E-10	CHMP4C	9.03E-01
ENSBTAG00000014689	6.08E-10	6.72E-10	CSPP1	9.05E-01
ENSBTAG00000019793	2.75E-10	3.00E-10	RGS22	9.17E-01
ENSBTAG00000006695	1.00E-10	1.09E-10	VCPIP1	9.18E-01
ENSBTAG00000020801	3.72E-10	4.00E-10	FAM49B	9.29E-01
ENSBTAG00000003338	7.21E-10	7.75E-10	LRRCC1	9.31E-01
ENSBTAG00000015229	6.41E-10	6.87E-10	DNAJC5B	9.33E-01
ENSBTAG00000018352	2.50E-10	2.67E-10	ABRA	9.37E-01
ENSBTAG00000048317	6.22E-10	6.63E-10		9.39E-01
ENSBTAG00000005025	4.70E-10	4.99E-10	FAM91A1	9.42E-01
ENSBTAG00000002080	1.86E-10	1.97E-10	NOV	9.44E-01
ENSBTAG00000007731	3.59E-10	3.78E-10		9.50E-01
ENSBTAG00000011981	1.56E-10	1.64E-10	MYBL1	9.50E-01
ENSBTAG00000047534	1.79E-10	1.88E-10		9.52E-01
ENSBTAG00000005762	4.70E-10	4.93E-10		9.53E-01
ENSBTAG00000033128	6.11E-10	6.41E-10	CRH	9.53E-01
ENSBTAG00000017833	1.20E-10	1.26E-10	RNF19A	9.56E-01
ENSBTAG00000013405	1.32E-10	1.38E-10		9.59E-01
ENSBTAG00000017529	2.24E-10	2.33E-10	CA8	9.62E-01
ENSBTAG00000017138	4.33E-10	4.50E-10	TMEM71	9.62E-01
ENSBTAG00000011064	1.39E-10	1.44E-10	ADCK5	9.63E-01
ENSBTAG00000047834	3.48E-10	3.62E-10		9.62E-01
ENSBTAG00000008054	1.30E-10	1.35E-10	ZNF706	9.66E-01
ENSBTAG00000017733	1.70E-10	1.75E-10	CA2	9.73E-01
ENSBTAG00000019795	1.75E-10	1.76E-10	FBXO43	9.92E-01
ENSBTAG00000008150	5.41E-10	5.45E-10	PKIA	9.92E-01
ENSBTAG00000036098	3.44E-10	3.46E-10		9.94E-01
ENSBTAG00000004969	1.18E-10	1.19E-10	LRRC14	9.94E-01
ENSBTAG00000019997	5.77E-10	5.79E-10	TRHR	9.97E-01
ENSBTAG00000002784	5.42E-10	5.44E-10	COP55	9.97E-01
ENSBTAG00000000914	3.84E-10	3.83E-10	OPRK1	1.00E+00
ENSBTAG00000001156	1.09E-09	1.08E-09	ST3GAL1	1.01E+00
ENSBTAG000000009378	3.87E-10	3.85E-10	EZF5	1.01E+00
ENSBTAG00000000711	4.62E-10	4.57E-10	NDRG1	1.01E+00
ENSBTAG00000018902	3.60E-10	3.55E-10	ZC2HC1A	1.01E+00
ENSBTAG00000026233	2.09E-10	2.06E-10		1.01E+00
ENSBTAG00000012920	5.60E-10	5.48E-10	TMEM70	1.02E+00
ENSBTAG00000008629	4.08E-10	3.98E-10	MTFR1	1.02E+00
ENSBTAG00000015734	7.39E-10	7.18E-10	RMDN1	1.03E+00
ENSBTAG00000015901	3.18E-10	3.09E-10	ARMC1	1.03E+00
ENSBTAG00000017249	6.16E-10	5.95E-10	SBSPON	1.03E+00
ENSBTAG00000009474	9.97E-10	9.62E-10		1.04E+00
ENSBTAG00000034176	9.38E-10	8.95E-10		1.05E+00
ENSBTAG00000001649	3.98E-10	3.78E-10	ZFPM2	1.05E+00
ENSBTAG00000003098	2.88E-10	2.73E-10	MTDH	1.05E+00
ENSBTAG00000004954	1.88E-10	1.78E-10	TOX	1.06E+00
ENSBTAG00000048040	3.76E-10	3.55E-10		1.06E+00
ENSBTAG000000016159	3.30E-10	3.11E-10	NPBWR1	1.06E+00
ENSBTAG00000007302	6.04E-10	5.69E-10		1.06E+00
ENSBTAG00000013598	4.14E-10	3.89E-10	RSPO2	1.06E+00
ENSBTAG00000013678	1.55E-10	1.45E-10	OSGIN2	1.07E+00
ENSBTAG00000016284	6.24E-10	5.83E-10	IL7	1.07E+00
ENSBTAG00000011516	2.38E-10	2.21E-10	LRP12	1.07E+00
ENSBTAG00000000071	6.73E-10	6.25E-10	PMP2	1.08E+00
ENSBTAG00000017717	6.52E-10	6.04E-10	RALYL	1.08E+00
ENSBTAG00000007736	5.76E-10	5.33E-10		1.08E+00
ENSBTAG00000035254	2.05E-10	1.90E-10	CYHR1	1.08E+00
ENSBTAG00000004476	1.77E-10	1.63E-10	ADHFE1	1.08E+00
ENSBTAG00000018493	5.44E-10	5.01E-10	ERICH5	1.08E+00
ENSBTAG00000015924	3.60E-10	3.30E-10	CALB1	1.09E+00
ENSBTAG00000026242	3.73E-10	3.40E-10	BAALC	1.10E+00
ENSBTAG00000018218	6.95E-10	6.31E-10		1.10E+00
ENSBTAG00000008512	1.88E-10	1.69E-10	KCNV1	1.11E+00

ENSBTAG00000015985	5.30E-10	4.76E-10	GPR20	1.11E+00
ENSBTAG00000015338	4.05E-10	3.61E-10	DSCC1	1.12E+00
ENSBTAG00000008280	4.24E-10	3.77E-10	HNF4G	1.12E+00
ENSBTAG00000032236	1.12E-09	9.92E-10		1.13E+00
ENSBTAG00000047303	5.80E-10	5.13E-10		1.13E+00
ENSBTAG00000002181	2.32E-10	2.05E-10	KHDRBS3	1.13E+00
ENSBTAG00000004595	7.96E-10	7.01E-10	GML	1.14E+00
ENSBTAG0000001808	1.42E-10	1.25E-10	LACTB2	1.14E+00
ENSBTAG00000014600	5.77E-10	5.02E-10	ADCY8	1.15E+00
ENSBTAG00000046739	8.00E-10	6.96E-10		1.15E+00
ENSBTAG00000004596	6.70E-10	5.76E-10		1.16E+00
ENSBTAG00000021747	6.10E-10	5.23E-10		1.17E+00
ENSBTAG00000017165	4.85E-10	4.11E-10	MATN2	1.18E+00
ENSBTAG00000000632	3.44E-10	2.92E-10		1.18E+00
ENSBTAG00000039978	1.07E-10	9.01E-11		1.19E+00
ENSBTAG00000007562	2.06E-10	1.73E-10	TRAM1	1.19E+00
ENSBTAG00000048001	1.98E-10	1.66E-10		1.19E+00
ENSBTAG00000038682	2.11E-10	1.77E-10	FAM83H	1.19E+00
ENSBTAG00000007835	8.18E-11	6.87E-11	GPT	1.19E+00
ENSBTAG00000018455	1.21E-10	1.01E-10	COMMD5	1.19E+00
ENSBTAG00000000856	8.22E-11	6.91E-11		1.19E+00
ENSBTAG00000034613	4.88E-11	4.10E-11	MROH6	1.19E+00
ENSBTAG00000017016	7.04E-10	5.90E-10		1.19E+00
ENSBTAG00000015040	1.94E-10	1.63E-10		1.19E+00
ENSBTAG000000005748	1.36E-10	1.15E-10	SOX17	1.19E+00
ENSBTAG00000047205	1.82E-10	1.53E-10		1.19E+00
ENSBTAG00000013284	1.51E-10	1.26E-10		1.20E+00
ENSBTAG00000003185	6.48E-10	5.37E-10	ASAP1	1.21E+00
ENSBTAG00000002104	2.40E-10	1.97E-10	RHPN1	1.22E+00
ENSBTAG00000048138	1.18E-10	9.78E-11	XKR9	1.21E+00
ENSBTAG00000034196	3.31E-10	2.72E-10	HHLA1	1.22E+00
ENSBTAG00000013369	6.55E-10	5.34E-10	COL14A1	1.23E+00
ENSBTAG00000015341	7.05E-10	5.72E-10	DEPTOR	1.23E+00
ENSBTAG00000002076	2.65E-10	2.14E-10		1.24E+00
ENSBTAG00000011614	4.72E-10	3.81E-10	PDE7A	1.24E+00
ENSBTAG00000001000	3.11E-10	2.50E-10	CA13	1.24E+00
ENSBTAG00000007749	1.64E-10	1.31E-10	TONSL	1.25E+00
ENSBTAG00000017019	6.71E-10	5.35E-10	PRKDC	1.25E+00
ENSBTAG00000000236	1.77E-10	1.41E-10	YWHAZ	1.26E+00
ENSBTAG00000003827	2.94E-10	2.34E-10	RIMS2	1.26E+00
ENSBTAG00000019663	3.49E-10	2.78E-10	DECR1	1.26E+00
ENSBTAG00000006869	1.90E-10	1.50E-10	PHF20L1	1.27E+00
ENSBTAG00000018570	1.57E-10	1.24E-10	SDR16C5	1.27E+00
ENSBTAG00000015536	8.21E-10	6.47E-10	CPNE3	1.27E+00
ENSBTAG00000013621	2.24E-10	1.75E-10	DPY19L4	1.28E+00
ENSBTAG00000018557	1.42E-10	1.11E-10	YTHDF3	1.28E+00
ENSBTAG00000026254	3.77E-10	2.95E-10	MED30	1.28E+00
ENSBTAG00000014051	3.65E-10	2.83E-10	ANGPT1	1.29E+00
ENSBTAG00000007823	4.61E-10	3.56E-10	TG	1.30E+00
ENSBTAG00000043996	3.39E-10	2.61E-10	SAMD12	1.30E+00
ENSBTAG00000024984	3.16E-10	2.43E-10	FSBP	1.30E+00
ENSBTAG00000003885	6.79E-10	5.22E-10	PEX2	1.30E+00
ENSBTAG00000008842	4.39E-10	3.37E-10	JPH1	1.30E+00
ENSBTAG00000032227	4.37E-10	3.34E-10		1.31E+00
ENSBTAG000000004720	2.01E-10	1.54E-10	SULF1	1.30E+00
ENSBTAG00000034498	1.16E-09	8.87E-10	LY6D	1.31E+00
ENSBTAG00000020139	1.17E-10	8.82E-11		1.32E+00
ENSBTAG00000011939	1.67E-10	1.26E-10	LY6H	1.33E+00
ENSBTAG00000011709	2.56E-10	1.94E-10	IMPA1	1.32E+00
ENSBTAG00000001299	2.53E-10	1.91E-10	CYP7B1	1.33E+00
ENSBTAG00000026963	6.92E-10	5.21E-10	NCALD	1.33E+00
ENSBTAG00000003460	2.63E-10	1.96E-10	TCEA1	1.34E+00
ENSBTAG00000011271	2.05E-10	1.53E-10	SNX31	1.34E+00
ENSBTAG00000004518	6.88E-10	5.11E-10	GRHL2	1.35E+00
ENSBTAG00000015214	3.37E-10	2.48E-10	CA3	1.36E+00
ENSBTAG00000007834	1.90E-10	1.40E-10	PPP1R16A	1.36E+00
ENSBTAG000000009578	3.54E-10	2.60E-10	PTK2	1.36E+00
ENSBTAG00000021838	1.48E-10	1.08E-10	ESRP1	1.37E+00
ENSBTAG00000013225	1.99E-10	1.45E-10	NBN	1.37E+00
ENSBTAG00000040422	2.15E-10	1.57E-10	UTP23	1.37E+00

ENSBTAG00000003588	2.50E-10	1.82E-10	ZFAND1	1.37E+00
ENSBTAG00000026247	8.94E-10	6.48E-10		1.38E+00
ENSBTAG000000037824	8.36E-10	6.06E-10		1.38E+00
ENSBTAG00000000879	2.81E-10	2.02E-10	C8orf33	1.39E+00
ENSBTAG00000014642	1.82E-10	1.31E-10	NAPRT	1.39E+00
ENSBTAG00000012357	2.64E-10	1.89E-10		1.40E+00
ENSBTAG00000013537	6.55E-10	4.65E-10	FER1L6	1.41E+00
ENSBTAG00000007387	1.99E-10	1.42E-10	ENY2	1.40E+00
ENSBTAG00000006770	2.18E-10	1.54E-10	MTBP	1.42E+00
ENSBTAG00000008421	2.45E-10	1.72E-10	SCRIB	1.42E+00
ENSBTAG00000013165	1.67E-10	1.17E-10	ENPP2	1.42E+00
ENSBTAG00000012353	2.16E-10	1.51E-10	ZNF34	1.43E+00
ENSBTAG00000036116	9.62E-10	6.70E-10		1.44E+00
ENSBTAG00000007687	1.99E-10	1.37E-10	GDF6	1.45E+00
ENSBTAG00000018206	2.29E-10	1.58E-10	NIPAL2	1.45E+00
ENSBTAG00000003445	2.69E-10	1.86E-10	ODF1	1.44E+00
ENSBTAG00000008409	1.74E-10	1.19E-10	MYC	1.46E+00
ENSBTAG00000018456	1.56E-10	1.07E-10	ZNF7	1.46E+00
ENSBTAG00000008864	2.57E-10	1.76E-10	LY96	1.46E+00
ENSBTAG00000005585	6.66E-10	4.52E-10	ANXA13	1.47E+00
ENSBTAG00000015333	3.69E-10	2.49E-10	TAF2	1.48E+00
ENSBTAG00000040321	1.95E-10	1.31E-10		1.49E+00
ENSBTAG00000004902	2.69E-10	1.80E-10	INTS8	1.49E+00
ENSBTAG00000014032	1.53E-10	1.03E-10	EIF3H	1.49E+00
ENSBTAG000000009138	3.78E-10	2.52E-10	UBXN2B	1.50E+00
ENSBTAG00000047212	2.94E-10	1.96E-10		1.50E+00
ENSBTAG00000038281	6.04E-10	4.03E-10	CSMD3	1.50E+00
ENSBTAG00000015374	6.88E-10	4.58E-10	COL22A1	1.50E+00
ENSBTAG00000047532	3.56E-10	2.36E-10	TRIQQ	1.51E+00
ENSBTAG00000016203	3.81E-10	2.53E-10	ZNF16	1.51E+00
ENSBTAG00000007570	2.85E-10	1.88E-10	NDUFAF6	1.52E+00
ENSBTAG00000032982	3.20E-10	2.11E-10	TERF1	1.52E+00
ENSBTAG00000044126	8.18E-10	5.38E-10	SNTB1	1.52E+00
ENSBTAG00000021449	1.39E-10	9.14E-11	DCAF13	1.52E+00
ENSBTAG00000017478	4.80E-10	3.15E-10	GSDMC	1.52E+00
ENSBTAG00000009811	2.03E-10	1.33E-10	BOP1	1.52E+00
ENSBTAG00000005877	7.04E-10	4.61E-10	FAM83A	1.53E+00
ENSBTAG00000007186	1.77E-10	1.16E-10	ARHGAP39	1.53E+00
ENSBTAG00000012608	2.34E-10	1.52E-10	GDAP1	1.54E+00
ENSBTAG00000011779	1.73E-10	1.12E-10	MAL2	1.54E+00
ENSBTAG00000026234	3.81E-10	2.46E-10	STK3	1.55E+00
ENSBTAG00000001579	3.27E-10	2.07E-10	AGO2	1.58E+00
ENSBTAG00000020407	2.88E-10	1.82E-10	MTSS1	1.58E+00
ENSBTAG00000021208	4.02E-10	2.54E-10	RRM2B	1.58E+00
ENSBTAG00000026232	1.02E-10	6.41E-11	TP53INP1	1.59E+00
ENSBTAG00000016716	9.30E-11	5.85E-11	RRS1	1.59E+00
ENSBTAG00000038286	3.66E-10	2.30E-10		1.59E+00
ENSBTAG00000004924	2.61E-10	1.64E-10	PENK	1.59E+00
ENSBTAG00000015271	2.21E-10	1.39E-10	RIPK2	1.59E+00
ENSBTAG00000010813	5.68E-10	3.57E-10		1.59E+00
ENSBTAG00000047661	2.09E-10	1.32E-10	FABP12	1.58E+00
ENSBTAG00000040496	6.45E-10	4.05E-10	KCNB2	1.59E+00
ENSBTAG00000017169	1.11E-09	6.97E-10		1.59E+00
ENSBTAG00000002448	6.84E-10	4.21E-10	SNTG1	1.62E+00
ENSBTAG00000002002	2.78E-10	1.72E-10	ATAD2	1.62E+00
ENSBTAG00000033902	2.90E-10	1.76E-10	SLC25A32	1.65E+00
ENSBTAG00000007943	1.82E-10	1.10E-10	AZIN1	1.66E+00
ENSBTAG00000003606	3.34E-10	2.01E-10		1.66E+00
ENSBTAG00000032591	1.06E-10	6.35E-11	CTHRC1	1.67E+00
ENSBTAG00000044106	3.21E-10	1.92E-10	SPIDR	1.67E+00
ENSBTAG00000032301	7.67E-10	4.54E-10	SLC26A7	1.69E+00
ENSBTAG00000046026	3.11E-10	1.84E-10	SLC39A4	1.69E+00
ENSBTAG00000015319	3.44E-10	2.03E-10		1.70E+00
ENSBTAG00000007303	2.36E-10	1.38E-10	RAD21	1.71E+00
ENSBTAG00000021841	4.96E-10	2.90E-10	CHD7	1.71E+00
ENSBTAG00000010529	1.34E-10	7.86E-11	FZD6	1.71E+00
ENSBTAG00000048078	4.76E-10	2.77E-10		1.72E+00
ENSBTAG00000014357	4.29E-10	2.49E-10	SDC2	1.72E+00
ENSBTAG00000013513	2.77E-10	1.60E-10	ATP6V1C1	1.73E+00
ENSBTAG00000017694	2.51E-10	1.45E-10	TRPS1	1.73E+00

ENSBTAG00000013955	6.72E-10	3.86E-10	TRAPPC9	1.74E+00
ENSBTAG00000011268	2.69E-10	1.54E-10	TMEM64	1.74E+00
ENSBTAG00000006132	3.33E-10	1.88E-10	DENND3	1.77E+00
ENSBTAG00000011908	4.25E-10	2.39E-10	CPQ	1.78E+00
ENSBTAG00000032881	5.76E-10	3.24E-10	SLC5A1	1.78E+00
ENSBTAG00000007423	1.89E-10	1.06E-10	TNFRSF11B	1.78E+00
ENSBTAG00000021743	2.18E-10	1.22E-10	ZNF704	1.78E+00
ENSBTAG00000006385	4.94E-10	2.76E-10	ADGRB1	1.79E+00
ENSBTAG00000005287	3.16E-10	1.76E-10	CYP7A1	1.79E+00
ENSBTAG00000000857	2.81E-10	1.57E-10		1.79E+00
ENSBTAG00000022588	5.00E-10	2.70E-10	C8orf34	1.85E+00
ENSBTAG00000003454	3.25E-10	1.76E-10	RGS20	1.85E+00
ENSBTAG00000016194	4.07E-10	2.19E-10	FBXO32	1.86E+00
ENSBTAG00000014130	2.15E-10	1.14E-10	COX6C	1.88E+00
ENSBTAG00000016959	5.79E-10	3.07E-10	LAPTM4B	1.89E+00
ENSBTAG00000007335	2.72E-10	1.41E-10	TPD52	1.93E+00
ENSBTAG000000008260	2.33E-10	1.20E-10	UBE2W	1.94E+00
ENSBTAG00000021964	4.55E-10	2.33E-10	CDH17	1.95E+00
ENSBTAG00000015720	7.30E-10	3.71E-10	WWP1	1.97E+00
ENSBTAG00000016810	2.73E-10	1.37E-10	PYCRL	1.99E+00
ENSBTAG00000020667	3.76E-10	1.87E-10	KCNQ3	2.01E+00
ENSBTAG00000009974	3.55E-10	1.76E-10	TSNARE1	2.02E+00
ENSBTAG00000009394	2.85E-10	1.41E-10	NSMCE2	2.02E+00
ENSBTAG00000001254	2.35E-10	1.15E-10	ANKRD46	2.04E+00
ENSBTAG000000020751	1.95E-10	9.42E-11	HSF1	2.07E+00
ENSBTAG00000006877	4.95E-10	2.38E-10	MMP16	2.08E+00
ENSBTAG00000047488	4.03E-10	1.90E-10	KCNK9	2.12E+00
ENSBTAG00000005498	3.54E-10	1.67E-10	SQLE	2.12E+00
ENSBTAG000000008257	5.96E-10	2.81E-10		2.12E+00
ENSBTAG00000010548	4.20E-10	1.96E-10	LRRC6	2.14E+00
ENSBTAG00000021209	2.16E-10	1.01E-10	UBR5	2.14E+00
ENSBTAG000000033446	1.35E-10	6.23E-11	TATDN1	2.17E+00
ENSBTAG000000005560	4.69E-10	2.11E-10	ST18	2.22E+00
ENSBTAG00000014458	1.85E-10	8.29E-11	MROH1	2.22E+00
ENSBTAG00000004906	2.71E-10	1.21E-10	CCNE2	2.24E+00
ENSBTAG00000039968	7.28E-10	3.16E-10	TMEM55A	2.30E+00
ENSBTAG000000044190	2.11E-10	9.09E-11		2.32E+00
ENSBTAG00000006702	2.43E-10	1.03E-10	EIF3E	2.36E+00
ENSBTAG00000019639	5.23E-10	2.21E-10	SNX16	2.37E+00
ENSBTAG000000007828	5.16E-10	2.18E-10	SLA	2.37E+00
ENSBTAG000000009816	1.26E-10	5.30E-11	SCX	2.38E+00
ENSBTAG00000020399	2.27E-10	9.52E-11	RNF139	2.38E+00
ENSBTAG00000033284	1.67E-10	7.00E-11	CHCHD7	2.38E+00
ENSBTAG000000045791	1.49E-10	6.24E-11	ZNF623	2.38E+00
ENSBTAG00000039068	2.03E-10	8.52E-11		2.38E+00
ENSBTAG00000016278	5.09E-10	2.13E-10	RPL30	2.39E+00
ENSBTAG00000000158	9.21E-10	3.85E-10	LY6K	2.39E+00
ENSBTAG000000008597	2.48E-10	1.03E-10	SLC45A4	2.40E+00
ENSBTAG00000001302	2.97E-10	1.22E-10	MRPS28	2.44E+00
ENSBTAG00000017040	5.55E-10	2.23E-10	LY6E	2.49E+00
ENSBTAG000000043970	1.68E-10	6.73E-11	C8orf37	2.49E+00
ENSBTAG00000010275	5.42E-10	2.18E-10	KIAA0196	2.49E+00
ENSBTAG00000013213	2.04E-10	8.09E-11		2.52E+00
ENSBTAG00000017731	4.40E-10	1.74E-10	ZFAT	2.53E+00
ENSBTAG000000023179	2.92E-10	1.14E-10	TRIB1	2.56E+00
ENSBTAG000000001174	1.92E-10	7.44E-11	MRPL15	2.58E+00
ENSBTAG00000034691	1.69E-10	6.39E-11	TSTA3	2.65E+00
ENSBTAG00000021472	2.02E-10	7.56E-11	ZC3H3	2.67E+00
ENSBTAG000000007596	3.43E-10	1.28E-10	GEM	2.68E+00
ENSBTAG00000038798	5.86E-10	2.17E-10		2.70E+00
ENSBTAG00000017339	6.35E-10	2.33E-10	RUNX1T1	2.72E+00
ENSBTAG000000040461	6.91E-10	2.51E-10		2.75E+00
ENSBTAG000000026306	6.10E-10	2.19E-10		2.78E+00
ENSBTAG00000021092	6.69E-10	2.39E-10	ATP6V0D2	2.80E+00
ENSBTAG00000032432	1.23E-09	4.39E-10		2.80E+00
ENSBTAG00000011203	1.61E-10	5.64E-11	RP1	2.86E+00
ENSBTAG00000011298	3.19E-10	1.11E-10	EYA1	2.88E+00
ENSBTAG00000017492	2.48E-10	8.56E-11	PCMTD1	2.90E+00
ENSBTAG00000044050	4.93E-10	1.63E-10	XKR4	3.02E+00
ENSBTAG00000022114	4.33E-10	1.42E-10	TMEM65	3.05E+00

ENSBTAG00000012596	2.45E-10	7.87E-11	POP1	3.10E+00
ENSBTAG00000004243	3.17E-10	1.01E-10		3.14E+00
ENSBTAG00000014396	1.19E-10	3.74E-11	KLF10	3.17E+00
ENSBTAG00000008693	2.39E-10	7.50E-11	EFCAB1	3.18E+00
ENSBTAG00000026356	2.49E-10	7.84E-11	DGAT1	3.18E+00
ENSBTAG00000046836	5.40E-10	1.70E-10		3.18E+00
ENSBTAG00000032233	8.00E-10	2.51E-10		3.19E+00
ENSBTAG00000015334	2.84E-10	8.60E-11	ZHX1	3.30E+00
ENSBTAG00000002196	4.37E-10	1.31E-10	TCEB1	3.34E+00
ENSBTAG00000019581	6.79E-10	2.02E-10	PLEKHF2	3.36E+00
ENSBTAG00000000878	5.34E-10	1.56E-10	RB1CC1	3.42E+00
ENSBTAG00000012242	3.52E-10	1.02E-10	MAF1	3.45E+00
ENSBTAG00000006004	1.18E-09	3.34E-10	LRRC69	3.55E+00
ENSBTAG00000003450	5.08E-10	1.39E-10	ATP6V1H	3.66E+00
ENSBTAG00000021474	2.29E-10	6.17E-11	GSDMD	3.71E+00
ENSBTAG00000006767	6.48E-10	1.73E-10	MRPL13	3.74E+00
ENSBTAG000000032738	6.01E-10	1.57E-10	AARD	3.82E+00
ENSBTAG00000012595	7.24E-10	1.89E-10	RIDA	3.83E+00
ENSBTAG00000007838	1.98E-10	4.97E-11	MFSD3	3.97E+00
ENSBTAG00000026340	8.33E-10	2.10E-10		3.97E+00
ENSBTAG00000009072	5.96E-10	1.45E-10	ZNF572	4.11E+00
ENSBTAG00000010006	1.79E-10	4.14E-11	EMC2	4.32E+00
ENSBTAG00000020405	1.22E-10	2.78E-11	NDUFB9	4.36E+00
ENSBTAG00000020693	3.48E-10	7.91E-11	DERL1	4.39E+00
ENSBTAG000000037493	1.14E-10	2.53E-11	PUF60	4.48E+00
ENSBTAG00000022169	4.64E-10	1.04E-10	PREX2	4.46E+00
ENSBTAG00000026283	4.44E-10	9.58E-11		4.63E+00
ENSBTAG00000046467	3.75E-10	8.07E-11	PTP4A3	4.64E+00
ENSBTAG00000019892	2.74E-10	5.81E-11	HAS2	4.72E+00
ENSBTAG00000013901	2.25E-10	4.75E-11	PTDSS1	4.73E+00
ENSBTAG00000005063	2.83E-10	5.94E-11	THEM6	4.76E+00
ENSBTAG00000000060	1.60E-10	3.36E-11	PRDM14	4.76E+00
ENSBTAG000000009916	5.81E-10	1.21E-10	WDYHV1	4.79E+00
ENSBTAG00000019587	4.33E-10	8.64E-11	PI15	5.01E+00
ENSBTAG00000014610	4.82E-10	9.56E-11	GPAA1	5.04E+00
ENSBTAG000000008079	1.51E-10	2.93E-11	NRBP2	5.15E+00
ENSBTAG00000012235	1.32E-10	2.38E-11	SHARPIN	5.55E+00
ENSBTAG00000046166	3.17E-10	5.68E-11		5.56E+00
ENSBTAG000000033627	5.02E-10	9.00E-11		5.57E+00
ENSBTAG000000022471	2.27E-10	3.98E-11	TTPA	5.69E+00
ENSBTAG00000000658	2.86E-10	4.79E-11	WDR97	5.95E+00
ENSBTAG00000015637	2.52E-10	3.87E-11	IMPAD1	6.49E+00
ENSBTAG00000016209	6.83E-10	8.56E-11	SLURP1	7.98E+00
ENSBTAG000000047355	9.28E-10	1.16E-10		8.00E+00
ENSBTAG00000040351	3.73E-10	3.90E-11		9.53E+00
ENSBTAG00000017343	9.59E-10	9.94E-11	COLEC10	9.64E+00
ENSBTAG00000003481	5.86E-10	5.82E-11	OTUD6B	1.01E+01
ENSBTAG000000033268	2.43E-10	2.20E-11	ZFHX4	1.10E+01
ENSBTAG00000011572	9.99E-10	8.92E-11		1.12E+01
ENSBTAG00000001522	1.34E-10	1.16E-11	MTERF3	1.15E+01
ENSBTAG00000014643	1.59E-10	1.18E-11	eef1d	1.34E+01
ENSBTAG00000014026	6.08E-10	4.04E-11	PAG1	1.50E+01
ENSBTAG00000021156	7.80E-10	5.10E-11	TBC1D31	1.53E+01
ENSBTAG00000007534	5.92E-10	1.82E-11	GGH	3.24E+01
ENSBTAG00000005893	6.63E-10	8.64E-12	TMEM68	7.58E+01
ENSBTAG00000020034	3.34E-10	1.40E-12	LYN	2.23E+02
ENSBTAG00000004761	5.26E-11	0	FOXH1	5.27E+02
ENSBTAG00000035158	1.47E-10	0	TMEM249	1.47E+03
ENSBTAG000000039705	2.71E-10	0	HGH1	2.71E+03
ENSBTAG00000012232	2.05E-10	0	CYC1	2.06E+03
ENSBTAG00000040360	1.85E-10	0	CCDC166	1.85E+03
ENSBTAG00000046866	7.77E-11	0		7.78E+02
ENSBTAG00000016210	3.20E-10	0	LYPD2	3.20E+03
ENSBTAG00000047022	2.10E-10	0	PSCA	2.10E+03
ENSBTAG00000013227	6.82E-11	0	SNAI2	6.83E+02
ENSBTAG00000005898	3.51E-10	0	TGS1	3.51E+03
ENSBTAG00000019147	1.32E-10	0	RPS20	1.32E+03
ENSBTAG00000004022	2.04E-10	0	PLAG1	2.04E+03
ENSBTAG00000039031	0	0		1.00E+00
ENSBTAG00000011933	6.79E-11	0	FAM110B	6.80E+02

ENSBTAG00000005404	4.07E-11	0	MSC	4.08E+02
ENSBTAG000000046135	4.87E-10	0		4.87E+03
ENSBTAG000000001521	1.39E-10	0	UQCRB	1.39E+03
ENSBTAG000000045865	2.73E-10	0		2.74E+03
ENSBTAG000000021639	6.88E-11	0	ARC	6.89E+02
ENSBTAG000000020398	8.95E-11	0	TRMT12	8.96E+02
ENSBTAG000000019145	2.46E-10	0	MOS	2.46E+03
ENSBTAG000000047136	0	0		1.00E+00
ENSBTAG000000037470	1.44E-10	0		1.44E+03
ENSBTAG000000032831	8.33E-10	0	MRPL33	8.33E+03
ENSBTAG000000039499	1.19E-10	0		1.19E+03
ENSBTAG000000007768	1.14E-10	0	KCNS2	1.14E+03
ENSBTAG000000039134	0	1.08E-10		9.25E-04
ENSBTAG000000024952	0	1.09E-10	OR5AK2	9.17E-04
ENSBTAG000000032276	0	4.39E-10		2.28E-04
ENSBTAG000000032280	0	6.56E-10		1.52E-04
ENSBTAG000000011873	0	3.45E-10	KCNE3	2.90E-04
ENSBTAG000000000434	1.97E-10	1.09E-09	CRYAB	1.81E-01
ENSBTAG000000031119	1.77E-10	7.83E-10	OR4S1	2.26E-01
ENSBTAG000000001516	4.97E-11	1.88E-10		2.65E-01
ENSBTAG000000003930	4.21E-11	1.59E-10		2.65E-01
ENSBTAG000000000440	1.23E-10	3.88E-10		3.17E-01
ENSBTAG000000013989	2.11E-10	5.37E-10	C11orf63	3.94E-01
ENSBTAG000000003199	5.87E-11	1.48E-10	SLC35C1	3.97E-01
ENSBTAG000000048023	2.16E-11	5.45E-11		3.98E-01
ENSBTAG000000024803	1.99E-10	4.99E-10	ENDOD1	3.98E-01
ENSBTAG000000031915	4.21E-10	8.87E-10		4.75E-01
ENSBTAG000000017228	5.49E-10	1.15E-09		4.77E-01
ENSBTAG000000005620	2.82E-10	5.66E-10	RPS3	4.99E-01
ENSBTAG000000011800	9.64E-11	1.86E-10	ABCG4	5.18E-01
ENSBTAG000000018246	3.06E-10	5.82E-10	RAB39A	5.26E-01
ENSBTAG000000000368	1.71E-10	3.24E-10	OR56A1	5.29E-01
ENSBTAG0000000037398	1.63E-10	3.08E-10	OR51T1	5.28E-01
ENSBTAG000000040293	1.57E-10	2.97E-10	RAG1	5.29E-01
ENSBTAG000000027723	1.83E-10	3.45E-10		5.29E-01
ENSBTAG000000005843	9.14E-11	1.73E-10	REXO2	5.29E-01
ENSBTAG000000047384	1.71E-10	3.23E-10		5.29E-01
ENSBTAG000000023125	1.71E-10	3.23E-10		5.29E-01
ENSBTAG000000002258	1.74E-10	3.29E-10	APOA1	5.29E-01
ENSBTAG000000004861	6.08E-10	1.12E-09		5.43E-01
ENSBTAG000000003565	6.36E-11	1.12E-10	TRIM3	5.69E-01
ENSBTAG000000012057	4.79E-10	8.40E-10	GIF	5.71E-01
ENSBTAG000000047406	3.52E-10	6.14E-10		5.73E-01
ENSBTAG000000010322	1.30E-10	2.25E-10	HYOU1	5.78E-01
ENSBTAG000000019754	1.52E-10	2.55E-10	PRKCDBP	5.96E-01
ENSBTAG000000039307	3.73E-10	5.93E-10		6.29E-01
ENSBTAG000000010071	1.79E-10	2.85E-10	FBXO3	6.30E-01
ENSBTAG000000005349	2.34E-10	3.69E-10		6.35E-01
ENSBTAG000000046894	5.38E-10	8.48E-10		6.34E-01
ENSBTAG000000031907	4.94E-10	7.79E-10		6.34E-01
ENSBTAG000000046167	2.25E-10	3.55E-10	OR5J2	6.35E-01
ENSBTAG000000032262	3.17E-10	5.00E-10		6.34E-01
ENSBTAG000000000351	4.36E-10	6.60E-10	OR52E5	6.61E-01
ENSBTAG000000021338	1.21E-10	1.81E-10	OAF	6.70E-01
ENSBTAG000000000118	8.29E-10	1.24E-09		6.68E-01
ENSBTAG000000004951	9.38E-11	1.40E-10	MGC134087	6.70E-01
ENSBTAG000000047461	7.40E-10	1.10E-09		6.73E-01
ENSBTAG000000032274	5.31E-10	7.81E-10	OR52E4	6.79E-01
ENSBTAG000000046228	4.08E-10	6.00E-10		6.79E-01
ENSBTAG000000015087	3.93E-10	5.75E-10	KLHL35	6.83E-01
ENSBTAG000000039306	6.16E-10	8.87E-10		6.94E-01
ENSBTAG000000009044	1.29E-09	1.84E-09	OR52N1	6.99E-01
ENSBTAG000000020748	2.37E-10	3.37E-10	FAM76B	7.03E-01
ENSBTAG000000035986	8.22E-10	1.15E-09		7.15E-01
ENSBTAG000000038536	1.20E-09	1.66E-09		7.23E-01
ENSBTAG000000015119	1.60E-10	2.17E-10	SIK3	7.37E-01
ENSBTAG000000020277	2.42E-10	3.25E-10	PPP2R1B	7.44E-01
ENSBTAG000000004949	5.43E-10	7.30E-10	FDXACB1	7.44E-01
ENSBTAG000000015821	5.60E-10	7.51E-10	AMPD3	7.46E-01
ENSBTAG000000016501	4.44E-10	5.90E-10	ARHGAP1	7.52E-01



ENSBTAG00000021858	1.76E-10	2.32E-10	SLC5A12	7.58E-01
ENSBTAG00000021346	1.86E-10	2.41E-10	CCDC34	7.72E-01
ENSBTAG00000047176	2.20E-09	2.85E-09	OR56B4	7.71E-01
ENSBTAG00000005343	1.90E-10	2.44E-10	TPH1	7.78E-01
ENSBTAG00000000954	2.36E-10	3.00E-10	DCDC1	7.87E-01
ENSBTAG00000006060	4.25E-10	5.40E-10		7.87E-01
ENSBTAG00000016266	1.45E-10	1.82E-10		7.95E-01
ENSBTAG00000038319	1.76E-10	2.21E-10		7.95E-01
ENSBTAG00000021150	1.69E-10	2.13E-10		7.94E-01
ENSBTAG00000045696	1.27E-09	1.61E-09		7.91E-01
ENSBTAG00000039054	1.71E-10	2.16E-10		7.93E-01
ENSBTAG00000038047	1.25E-10	1.58E-10	H2AFX	7.92E-01
ENSBTAG00000008220	3.01E-10	3.79E-10	C15H11orf71	7.93E-01
ENSBTAG00000004130	2.75E-10	3.46E-10	C15H11orf87	7.94E-01
ENSBTAG00000024639	3.04E-10	3.83E-10		7.93E-01
ENSBTAG00000032259	5.27E-10	6.64E-10		7.94E-01
ENSBTAG00000005156	2.84E-10	3.58E-10	PIH1D2	7.95E-01
ENSBTAG00000038598	4.30E-10	5.42E-10		7.93E-01
ENSBTAG00000036326	6.82E-10	8.59E-10		7.94E-01
ENSBTAG00000046853	8.72E-11	1.10E-10		7.93E-01
ENSBTAG00000047425	8.59E-10	1.08E-09		7.96E-01
ENSBTAG00000046471	8.67E-11	1.09E-10		7.95E-01
ENSBTAG00000008075	8.91E-11	1.12E-10	TRAPPC4	7.96E-01
ENSBTAG00000047178	3.18E-10	4.01E-10		7.94E-01
ENSBTAG00000046354	8.21E-11	1.03E-10		7.97E-01
ENSBTAG00000046378	1.69E-10	2.13E-10		7.93E-01
ENSBTAG00000035485	8.61E-11	1.09E-10		7.90E-01
ENSBTAG00000003567	1.89E-10	2.38E-10	TIMM10B	7.95E-01
ENSBTAG00000005087	8.25E-11	1.04E-10		7.93E-01
ENSBTAG00000002216	1.86E-10	2.34E-10	MYOD1	7.94E-01
ENSBTAG00000047246	2.60E-10	3.27E-10		7.94E-01
ENSBTAG00000046913	4.35E-10	5.48E-10		7.93E-01
ENSBTAG00000048003	1.06E-09	1.34E-09		7.91E-01
ENSBTAG00000037474	8.76E-10	1.10E-09		7.96E-01
ENSBTAG00000045790	1.31E-10	1.66E-10		7.92E-01
ENSBTAG00000048223	8.64E-11	1.09E-10		7.93E-01
ENSBTAG00000013503	5.22E-10	6.58E-10		7.94E-01
ENSBTAG00000020952	1.74E-10	2.19E-10		7.95E-01
ENSBTAG00000005228	5.07E-11	6.39E-11	CNGA4	7.94E-01
ENSBTAG00000032255	5.12E-10	6.45E-10		7.94E-01
ENSBTAG00000035985	1.71E-10	2.15E-10		7.94E-01
ENSBTAG00000003566	1.12E-10	1.41E-10	ARFIP2	7.95E-01
ENSBTAG00000039448	3.53E-10	4.45E-10		7.94E-01
ENSBTAG00000001301	1.27E-10	1.60E-10	LRRC32	7.94E-01
ENSBTAG00000002000	1.65E-10	2.08E-10	TIMM8B	7.94E-01
ENSBTAG00000016140	4.63E-10	5.78E-10	PPFIBP2	8.01E-01
ENSBTAG00000018213	1.98E-10	2.48E-10	TBCEL	8.00E-01
ENSBTAG00000008134	1.80E-10	2.24E-10	BDNF	8.05E-01
ENSBTAG00000005193	4.69E-10	5.80E-10	CRTAM	8.09E-01
ENSBTAG00000020890	6.19E-10	7.62E-10	TRIM66	8.12E-01
ENSBTAG00000027722	1.34E-10	1.63E-10	IPO7	8.19E-01
ENSBTAG00000006564	4.91E-10	5.95E-10		8.26E-01
ENSBTAG00000031309	2.22E-10	2.66E-10	RAG2	8.33E-01
ENSBTAG00000048141	1.13E-09	1.36E-09		8.29E-01
ENSBTAG00000020272	3.02E-10	3.60E-10	SIK2	8.40E-01
ENSBTAG00000008661	4.58E-10	5.45E-10	C11orf52	8.41E-01
ENSBTAG00000001999	2.66E-10	3.16E-10	C11orf57	8.43E-01
ENSBTAG00000018483	3.09E-10	3.66E-10	NDUFS3	8.44E-01
ENSBTAG00000015876	1.25E-09	1.47E-09		8.53E-01
ENSBTAG00000038650	1.11E-09	1.30E-09	MS4A7	8.51E-01
ENSBTAG00000047088	7.97E-10	9.31E-10		8.56E-01
ENSBTAG00000027126	4.79E-10	5.56E-10	MUC15	8.61E-01
ENSBTAG00000047129	1.75E-09	2.02E-09	B3GNT6	8.67E-01
ENSBTAG00000046636	2.89E-10	3.33E-10		8.69E-01
ENSBTAG00000039917	9.70E-10	1.11E-09	OR5B3	8.74E-01
ENSBTAG00000046618	9.83E-10	1.13E-09		8.70E-01
ENSBTAG00000008227	7.51E-10	8.60E-10	LIPT2	8.73E-01
ENSBTAG00000021125	3.34E-10	3.81E-10	NUP160	8.76E-01
ENSBTAG00000048290	1.89E-10	2.16E-10		8.75E-01
ENSBTAG00000046149	1.26E-09	1.44E-09		8.74E-01

ENSBTAG00000003361	1.01E-10	1.15E-10	METTL15	8.78E-01
ENSBTAG00000016557	5.99E-10	6.81E-10	MTMR2	8.80E-01
ENSBTAG00000016320	4.44E-10	5.04E-10	LMO1	8.81E-01
ENSBTAG00000006835	1.06E-10	1.20E-10	MCAM	8.82E-01
ENSBTAG00000001703	6.80E-10	7.71E-10	SYT13	8.83E-01
ENSBTAG00000010820	1.59E-10	1.79E-10	WNT11	8.86E-01
ENSBTAG00000032200	2.85E-10	3.22E-10	DNAJC24	8.85E-01
ENSBTAG00000010008	4.15E-10	4.68E-10	TTC12	8.88E-01
ENSBTAG00000015824	3.03E-10	3.39E-10	RNF141	8.93E-01
ENSBTAG00000018482	1.97E-10	2.20E-10	KBTBD4	8.95E-01
ENSBTAG00000019544	7.88E-10	8.81E-10		8.94E-01
ENSBTAG00000038977	7.78E-10	8.70E-10		8.94E-01
ENSBTAG00000020466	6.29E-10	7.00E-10		8.98E-01
ENSBTAG00000001460	2.06E-10	2.28E-10	LIN7C	9.01E-01
ENSBTAG00000037603	2.20E-09	2.43E-09		9.04E-01
ENSBTAG00000038479	8.41E-10	9.27E-10		9.07E-01
ENSBTAG00000040252	6.97E-10	7.68E-10		9.08E-01
ENSBTAG00000005255	1.40E-09	1.54E-09		9.09E-01
ENSBTAG00000037580	5.85E-10	6.41E-10	MSANTD3	9.12E-01
ENSBTAG00000047356	1.32E-09	1.45E-09		9.11E-01
ENSBTAG00000021611	3.51E-10	3.85E-10	C11orf74	9.12E-01
ENSBTAG00000017647	9.98E-10	1.09E-09		9.16E-01
ENSBTAG00000047960	1.26E-09	1.37E-09		9.20E-01
ENSBTAG00000008253	6.32E-10	6.88E-10	EXPH5	9.19E-01
ENSBTAG00000020066	4.09E-10	4.45E-10	ZW10	9.19E-01
ENSBTAG00000037921	4.34E-10	4.71E-10	OVCH2	9.22E-01
ENSBTAG00000005424	3.75E-10	4.06E-10	KCNC1	9.24E-01
ENSBTAG00000006556	4.21E-10	4.55E-10	COPB1	9.25E-01
ENSBTAG00000023511	6.02E-10	6.50E-10		9.26E-01
ENSBTAG00000038452	6.16E-10	6.64E-10		9.27E-01
ENSBTAG00000019045	2.65E-10	2.86E-10	COMMD9	9.25E-01
ENSBTAG00000010826	7.98E-11	8.60E-11	EMSY	9.28E-01
ENSBTAG00000035487	1.83E-09	1.97E-09		9.30E-01
ENSBTAG00000027557	4.07E-10	4.37E-10	ZNF408	9.32E-01
ENSBTAG00000019309	7.47E-11	8.02E-11		9.32E-01
ENSBTAG00000006581	5.23E-10	5.61E-10	CCDC82	9.33E-01
ENSBTAG00000007971	1.13E-09	1.20E-09	OR6Q1	9.39E-01
ENSBTAG00000020096	2.15E-10	2.31E-10	MS4A2	9.33E-01
ENSBTAG00000001987	4.59E-10	4.90E-10	SWAP70	9.36E-01
ENSBTAG000000010642	3.39E-10	3.61E-10	ALKBH8	9.39E-01
ENSBTAG00000003692	8.29E-10	8.83E-10	UCP2	9.39E-01
ENSBTAG00000015357	9.93E-10	1.06E-09	OR52B4	9.37E-01
ENSBTAG00000002071	1.15E-09	1.23E-09		9.37E-01
ENSBTAG00000013366	1.89E-10	2.01E-10	NRIP3	9.41E-01
ENSBTAG00000040567	5.37E-10	5.71E-10	MMP27	9.40E-01
ENSBTAG00000000697	7.17E-10	7.57E-10	RRP8	9.47E-01
ENSBTAG00000016142	3.87E-10	4.08E-10	CYB5R2	9.49E-01
ENSBTAG000000038787	5.24E-10	5.50E-10		9.52E-01
ENSBTAG00000045723	5.24E-10	5.50E-10		9.52E-01
ENSBTAG00000046278	5.24E-10	5.50E-10		9.52E-01
ENSBTAG00000002691	4.64E-10	4.88E-10	ELMOD1	9.51E-01
ENSBTAG00000024788	5.43E-10	5.70E-10		9.52E-01
ENSBTAG00000006676	2.65E-10	2.78E-10	FIBIN	9.53E-01
ENSBTAG00000047472	5.08E-10	5.32E-10	OR10V1	9.54E-01
ENSBTAG000000045612	5.17E-10	5.43E-10		9.52E-01
ENSBTAG000000035489	3.70E-10	3.88E-10		9.53E-01
ENSBTAG00000038679	1.58E-09	1.65E-09		9.56E-01
ENSBTAG00000000886	6.15E-10	6.40E-10		9.60E-01
ENSBTAG00000023648	1.94E-09	2.02E-09		9.60E-01
ENSBTAG000000009419	4.92E-10	5.08E-10	TRIM29	9.68E-01
ENSBTAG00000019080	3.56E-10	3.67E-10	PTH	9.70E-01
ENSBTAG00000007129	4.14E-10	4.26E-10	MRV11	9.71E-01
ENSBTAG000000034711	9.52E-10	9.80E-10		9.71E-01
ENSBTAG00000003624	7.23E-10	7.39E-10	CNTF	9.78E-01
ENSBTAG00000040285	5.97E-10	6.09E-10		9.80E-01
ENSBTAG00000024648	5.36E-10	5.47E-10		9.80E-01
ENSBTAG000000033519	1.21E-09	1.24E-09		9.80E-01
ENSBTAG00000004423	5.38E-10	5.48E-10	ARHGAP42	9.81E-01
ENSBTAG00000046732	1.20E-09	1.23E-09	MMP8	9.78E-01
ENSBTAG00000005308	2.20E-10	2.23E-10	ANGPTL5	9.87E-01

ENSBTAG00000016747	6.40E-10	6.48E-10	NAT10	9.88E-01
ENSBTAG00000012750	2.18E-10	2.20E-10	UPK2	9.93E-01
ENSBTAG00000008429	2.74E-10	2.76E-10	LRP4	9.92E-01
ENSBTAG00000048032	4.40E-10	4.44E-10		9.92E-01
ENSBTAG00000011227	3.67E-10	3.69E-10	TRPC6	9.94E-01
ENSBTAG000000031032	8.87E-10	8.93E-10		9.94E-01
ENSBTAG00000002887	3.98E-10	4.01E-10	DDI1	9.93E-01
ENSBTAG00000016548	5.47E-10	5.51E-10	TEX12	9.93E-01
ENSBTAG000000037666	9.17E-10	9.23E-10		9.94E-01
ENSBTAG000000005874	4.29E-10	4.32E-10		9.94E-01
ENSBTAG000000039300	4.32E-10	4.36E-10	OR5B2	9.92E-01
ENSBTAG00000009440	4.96E-10	5.00E-10		9.93E-01
ENSBTAG000000036131	8.57E-10	8.62E-10		9.94E-01
ENSBTAG000000006610	4.15E-10	4.16E-10	XRRA1	9.98E-01
ENSBTAG000000031210	3.29E-10	3.29E-10		1.00E+00
ENSBTAG000000021855	3.77E-10	3.77E-10	ANO3	9.99E-01
ENSBTAG000000014910	8.19E-10	8.17E-10	PIWIL4	1.00E+00
ENSBTAG000000002450	8.06E-10	7.96E-10	FAM111A	1.01E+00
ENSBTAG000000036009	1.63E-10	1.61E-10	TRAF6	1.01E+00
ENSBTAG00000008310	1.40E-10	1.38E-10	TMEM9B	1.02E+00
ENSBTAG000000021484	4.26E-10	4.20E-10	TSPAN18	1.01E+00
ENSBTAG000000014399	5.38E-10	5.28E-10	QSER1	1.02E+00
ENSBTAG000000008312	1.32E-09	1.29E-09		1.02E+00
ENSBTAG000000007740	3.76E-10	3.68E-10	MDK	1.02E+00
ENSBTAG0000000037505	7.90E-10	7.73E-10		1.02E+00
ENSBTAG000000004448	2.34E-10	2.29E-10	CKAP5	1.02E+00
ENSBTAG000000020279	4.07E-10	3.97E-10		1.03E+00
ENSBTAG000000044144	6.47E-10	6.30E-10	GUCY1A2	1.03E+00
ENSBTAG000000005710	3.22E-10	3.13E-10	NCAM1	1.03E+00
ENSBTAG0000000035735	1.49E-10	1.44E-10	BIRC2	1.03E+00
ENSBTAG000000010089	1.94E-10	1.87E-10		1.03E+00
ENSBTAG0000000039893	2.30E-09	2.22E-09	OR9I1	1.04E+00
ENSBTAG000000004862	2.96E-10	2.85E-10	TUB	1.04E+00
ENSBTAG000000046380	1.51E-09	1.46E-09		1.04E+00
ENSBTAG000000048300	1.15E-09	1.11E-09		1.03E+00
ENSBTAG000000021809	3.89E-10	3.74E-10	DEPDC7	1.04E+00
ENSBTAG000000006644	8.87E-10	8.53E-10	SPCS2	1.04E+00
ENSBTAG000000018742	2.79E-10	2.69E-10	MTCH2	1.04E+00
ENSBTAG000000019627	5.30E-10	5.09E-10	THY1	1.04E+00
ENSBTAG0000000047268	3.61E-10	3.47E-10	WT1	1.04E+00
ENSBTAG000000017932	2.56E-10	2.45E-10	CCDC84	1.05E+00
ENSBTAG000000014847	4.31E-10	4.11E-10	BBOX1	1.05E+00
ENSBTAG000000006443	3.17E-10	3.01E-10		1.05E+00
ENSBTAG000000009611	1.64E-10	1.55E-10	PHF21A	1.06E+00
ENSBTAG000000027772	1.91E-10	1.81E-10		1.06E+00
ENSBTAG000000003564	6.84E-11	6.46E-11	HPX	1.06E+00
ENSBTAG0000000038245	3.39E-10	3.20E-10		1.06E+00
ENSBTAG000000022858	3.43E-10	3.24E-10		1.06E+00
ENSBTAG0000000036328	3.41E-10	3.22E-10		1.06E+00
ENSBTAG000000046387	1.51E-09	1.42E-09		1.06E+00
ENSBTAG000000047344	6.88E-10	6.50E-10		1.06E+00
ENSBTAG0000000032224	6.88E-10	6.50E-10		1.06E+00
ENSBTAG000000016684	6.43E-10	6.07E-10	ZNF202	1.06E+00
ENSBTAG000000045658	3.50E-10	3.31E-10		1.06E+00
ENSBTAG0000000027430	6.67E-10	6.30E-10		1.06E+00
ENSBTAG000000047714	6.95E-10	6.56E-10	OR51A7	1.06E+00
ENSBTAG000000030909	1.46E-09	1.38E-09		1.06E+00
ENSBTAG000000000025	5.72E-10	5.35E-10		1.07E+00
ENSBTAG000000004594	2.50E-10	2.34E-10	MMP7	1.07E+00
ENSBTAG000000046320	5.49E-10	5.13E-10	CXCR5	1.07E+00
ENSBTAG000000005215	4.88E-10	4.55E-10	IL10RA	1.07E+00
ENSBTAG000000005034	9.67E-10	9.01E-10	CAPN5	1.07E+00
ENSBTAG000000000628	8.18E-10	7.60E-10		1.08E+00
ENSBTAG000000012628	1.92E-10	1.77E-10	SLC1A2	1.08E+00
ENSBTAG000000000317	3.06E-10	2.83E-10	MAPK8IP1	1.08E+00
ENSBTAG000000011578	3.40E-10	3.14E-10	CD44	1.08E+00
ENSBTAG000000021343	3.01E-10	2.78E-10	ARHGEF12	1.08E+00
ENSBTAG000000016074	1.39E-10	1.28E-10		1.08E+00
ENSBTAG000000027651	1.31E-09	1.21E-09	OR51I2	1.09E+00
ENSBTAG000000047025	3.07E-09	2.82E-09		1.09E+00

ENSBTAG00000039348	2.82E-09	2.59E-09		1.09E+00
ENSBTAG00000021483	1.01E-09	9.31E-10	OLFML1	1.09E+00
ENSBTAG00000012279	2.59E-10	2.38E-10		1.09E+00
ENSBTAG00000020573	2.43E-10	2.23E-10	SCUBE2	1.09E+00
ENSBTAG00000005914	9.77E-10	8.93E-10		1.09E+00
ENSBTAG000000031027	9.77E-10	8.93E-10		1.09E+00
ENSBTAG00000000987	3.18E-10	2.90E-10	OTOG	1.10E+00
ENSBTAG00000015405	5.44E-10	4.96E-10	DCHS1	1.10E+00
ENSBTAG00000007148	4.17E-10	3.81E-10	F2	1.10E+00
ENSBTAG000000038031	3.34E-09	3.04E-09		1.10E+00
ENSBTAG000000027563	2.92E-10	2.66E-10		1.10E+00
ENSBTAG000000027438	5.88E-10	5.35E-10		1.10E+00
ENSBTAG000000019644	2.48E-10	2.25E-10	EXT2	1.10E+00
ENSBTAG000000005236	1.36E-10	1.24E-10	CCKBR	1.10E+00
ENSBTAG000000034346	9.31E-10	8.43E-10	BTG4	1.10E+00
ENSBTAG00000015403	3.86E-10	3.49E-10	TPP1	1.10E+00
ENSBTAG000000013636	3.28E-10	2.96E-10	DGKZ	1.11E+00
ENSBTAG000000006322	3.74E-10	3.38E-10		1.11E+00
ENSBTAG000000008077	1.11E-10	1.00E-10	SLC37A4	1.11E+00
ENSBTAG000000005609	1.17E-09	1.06E-09		1.11E+00
ENSBTAG000000005251	4.04E-10	3.63E-10		1.11E+00
ENSBTAG000000046811	6.14E-10	5.51E-10		1.11E+00
ENSBTAG000000035989	5.98E-10	5.37E-10		1.11E+00
ENSBTAG000000012460	5.25E-10	4.70E-10	ELF5	1.12E+00
ENSBTAG000000046541	1.21E-09	1.09E-09	ORS2B6	1.11E+00
ENSBTAG000000015309	2.25E-10	2.02E-10		1.12E+00
ENSBTAG000000032079	7.47E-10	6.68E-10	SYT9	1.12E+00
ENSBTAG000000037768	6.47E-10	5.78E-10		1.12E+00
ENSBTAG000000014606	2.02E-10	1.80E-10	FOXR1	1.12E+00
ENSBTAG000000007332	1.71E-10	1.52E-10		1.13E+00
ENSBTAG000000004282	3.44E-10	3.06E-10	AMBRA1	1.12E+00
ENSBTAG000000026922	1.33E-09	1.18E-09		1.13E+00
ENSBTAG000000015818	6.97E-10	6.17E-10		1.13E+00
ENSBTAG000000012885	3.70E-10	3.27E-10	ACAT1	1.13E+00
ENSBTAG000000019144	1.47E-09	1.30E-09	OR6A2	1.13E+00
ENSBTAG000000016547	5.63E-10	4.96E-10	CEP57	1.13E+00
ENSBTAG000000047652	5.26E-10	4.64E-10		1.13E+00
ENSBTAG000000046801	8.73E-10	7.68E-10		1.14E+00
ENSBTAG000000036031	8.90E-10	7.83E-10		1.14E+00
ENSBTAG000000032151	3.92E-10	3.45E-10	CCDC73	1.14E+00
ENSBTAG000000039592	8.70E-10	7.66E-10		1.14E+00
ENSBTAG000000002606	1.65E-10	1.45E-10	LGR4	1.14E+00
ENSBTAG000000011905	1.36E-10	1.19E-10	RRAS2	1.14E+00
ENSBTAG000000016494	4.34E-10	3.80E-10	RELT	1.14E+00
ENSBTAG000000004206	5.29E-10	4.64E-10	LRRC55	1.14E+00
ENSBTAG000000008564	7.61E-10	6.66E-10		1.14E+00
ENSBTAG000000023202	3.75E-10	3.27E-10		1.15E+00
ENSBTAG000000022368	1.13E-09	9.86E-10		1.15E+00
ENSBTAG000000038579	8.95E-10	7.78E-10		1.15E+00
ENSBTAG000000018257	4.74E-10	4.12E-10	APIP	1.15E+00
ENSBTAG000000040463	1.24E-09	1.07E-09		1.16E+00
ENSBTAG000000040119	1.13E-09	9.77E-10		1.16E+00
ENSBTAG000000037465	6.52E-10	5.62E-10		1.16E+00
ENSBTAG000000038075	8.86E-10	7.62E-10		1.16E+00
ENSBTAG000000040341	1.43E-09	1.23E-09		1.16E+00
ENSBTAG000000014354	2.44E-10	2.09E-10	FXYD6	1.17E+00
ENSBTAG00000004034	1.61E-10	1.38E-10	SES3	1.17E+00
ENSBTAG00000000842	5.35E-10	4.58E-10	UBASH3B	1.17E+00
ENSBTAG000000008665	5.59E-10	4.78E-10	DIXDC1	1.17E+00
ENSBTAG000000004863	4.24E-10	3.62E-10	RIC3	1.17E+00
ENSBTAG000000017325	3.46E-10	2.94E-10	ATG13	1.18E+00
ENSBTAG000000017218	1.52E-10	1.29E-10	ACER3	1.18E+00
ENSBTAG000000040320	1.66E-09	1.40E-09		1.18E+00
ENSBTAG000000001607	7.19E-10	6.09E-10	TMEM41B	1.18E+00
ENSBTAG000000006817	1.89E-10	1.60E-10	CBL	1.18E+00
ENSBTAG000000012505	4.28E-10	3.62E-10	ARHGEF17	1.18E+00
ENSBTAG000000015059	7.01E-10	5.90E-10	MMP13	1.19E+00
ENSBTAG000000023283	4.45E-10	3.74E-10	JAML	1.19E+00
ENSBTAG000000047850	2.62E-10	2.20E-10		1.19E+00
ENSBTAG000000020515	1.03E-10	8.67E-11	FAM160A2	1.19E+00

ENSBTAG0000001432	1.39E-09	1.17E-09		1.19E+00
ENSBTAG00000023912	5.08E-10	4.26E-10		1.19E+00
ENSBTAG00000026924	5.08E-10	4.26E-10		1.19E+00
ENSBTAG00000046254	3.91E-10	3.28E-10		1.19E+00
ENSBTAG00000011521	7.80E-10	6.54E-10		1.19E+00
ENSBTAG00000045639	6.15E-10	5.16E-10		1.19E+00
ENSBTAG00000039801	9.71E-10	8.14E-10		1.19E+00
ENSBTAG00000005070	9.71E-10	8.14E-10		1.19E+00
ENSBTAG00000047932	6.69E-10	5.61E-10		1.19E+00
ENSBTAG00000014572	1.05E-09	8.81E-10		1.19E+00
ENSBTAG00000016090	1.05E-09	8.79E-10		1.19E+00
ENSBTAG00000039503	1.05E-09	8.81E-10		1.19E+00
ENSBTAG00000015566	2.72E-10	2.28E-10	CTR9	1.19E+00
ENSBTAG00000032050	2.32E-09	1.93E-09		1.20E+00
ENSBTAG00000010419	2.26E-10	1.88E-10	CYP2R1	1.20E+00
ENSBTAG00000046196	2.94E-09	2.44E-09		1.20E+00
ENSBTAG00000009150	4.17E-10	3.47E-10	SPON1	1.20E+00
ENSBTAG00000020285	2.02E-09	1.68E-09		1.20E+00
ENSBTAG00000006143	3.83E-10	3.17E-10	CREB3L1	1.21E+00
ENSBTAG00000002289	8.94E-10	7.40E-10	NLRP14	1.21E+00
ENSBTAG00000018479	5.00E-10	4.13E-10	PTPMT1	1.21E+00
ENSBTAG00000014884	1.99E-10	1.64E-10	HIPK3	1.21E+00
ENSBTAG00000006176	2.28E-10	1.88E-10	GRIA4	1.21E+00
ENSBTAG00000004672	5.36E-10	4.42E-10	RDX	1.21E+00
ENSBTAG000000023989	2.05E-10	1.69E-10	MSANTD4	1.21E+00
ENSBTAG00000009749	1.68E-10	1.38E-10	USP2	1.22E+00
ENSBTAG00000001154	5.06E-10	4.14E-10	DGAT2	1.22E+00
ENSBTAG00000036016	4.71E-10	3.85E-10	FAM111B	1.22E+00
ENSBTAG00000021188	3.87E-10	3.17E-10	MRPL16	1.22E+00
ENSBTAG00000037657	6.80E-10	5.55E-10		1.23E+00
ENSBTAG00000016497	2.94E-10	2.40E-10	FAM168A	1.23E+00
ENSBTAG00000034827	4.39E-10	3.57E-10	PDGFD	1.23E+00
ENSBTAG00000033529	1.17E-10	9.54E-11	SCN2B	1.23E+00
ENSBTAG00000007913	2.70E-10	2.19E-10		1.23E+00
ENSBTAG00000043981	3.39E-10	2.74E-10	SBF2	1.24E+00
ENSBTAG00000002007	1.26E-09	1.02E-09	PRG3	1.24E+00
ENSBTAG00000002323	1.92E-10	1.54E-10	USP28	1.25E+00
ENSBTAG00000012936	4.00E-10	3.20E-10	THYN1	1.25E+00
ENSBTAG00000010286	4.09E-10	3.27E-10	NPAT	1.25E+00
ENSBTAG000000031903	9.61E-10	7.68E-10		1.25E+00
ENSBTAG00000003682	6.63E-10	5.28E-10	DNAJB13	1.26E+00
ENSBTAG00000000802	3.45E-10	2.75E-10	LYVE1	1.25E+00
ENSBTAG00000000983	5.53E-10	4.39E-10	ABCC8	1.26E+00
ENSBTAG00000015596	4.46E-10	3.55E-10	SLCO2B1	1.26E+00
ENSBTAG00000024657	4.91E-10	3.89E-10		1.26E+00
ENSBTAG00000023831	2.59E-10	2.04E-10	ELP4	1.27E+00
ENSBTAG00000009576	2.23E-10	1.75E-10	PACSLN3	1.27E+00
ENSBTAG000000048176	7.06E-10	5.55E-10		1.27E+00
ENSBTAG00000024781	8.96E-10	7.03E-10		1.27E+00
ENSBTAG00000004561	1.57E-10	1.23E-10	PAX6	1.28E+00
ENSBTAG00000008925	2.32E-10	1.81E-10	MRE11	1.28E+00
ENSBTAG00000009828	2.29E-10	1.79E-10	FXD2	1.28E+00
ENSBTAG00000005392	3.07E-10	2.38E-10	KBTBD3	1.29E+00
ENSBTAG00000026796	1.68E-09	1.31E-09		1.29E+00
ENSBTAG000000024715	7.05E-10	5.46E-10		1.29E+00
ENSBTAG00000005060	8.78E-10	6.79E-10		1.29E+00
ENSBTAG00000020911	4.41E-10	3.40E-10	FNBP4	1.30E+00
ENSBTAG00000038317	1.14E-09	8.81E-10		1.30E+00
ENSBTAG00000019725	2.12E-10	1.63E-10	UBE4A	1.30E+00
ENSBTAG00000025931	5.55E-10	4.27E-10	NEU3	1.30E+00
ENSBTAG00000000926	1.16E-09	8.96E-10		1.29E+00
ENSBTAG000000037937	6.75E-10	5.18E-10		1.30E+00
ENSBTAG00000010860	1.45E-10	1.11E-10	DRD2	1.31E+00
ENSBTAG00000015655	3.33E-10	2.55E-10	APBB1	1.31E+00
ENSBTAG00000014474	3.06E-10	2.34E-10	API5	1.31E+00
ENSBTAG00000002650	4.04E-10	3.07E-10	ZNF259	1.32E+00
ENSBTAG00000031330	6.12E-10	4.65E-10	HTR3B	1.32E+00
ENSBTAG00000021518	3.41E-10	2.58E-10	TMPRSS4	1.32E+00
ENSBTAG00000000694	2.90E-10	2.19E-10	TAF10	1.32E+00
ENSBTAG00000006453	2.29E-10	1.73E-10	CD3G	1.32E+00

ENSBTAG00000048088	4.27E-10	3.22E-10	OR2AT4	1.32E+00
ENSBTAG00000010855	1.69E-10	1.27E-10	ANKK1	1.33E+00
ENSBTAG00000039467	8.65E-10	6.52E-10		1.33E+00
ENSBTAG00000046441	4.28E-10	3.23E-10		1.32E+00
ENSBTAG00000038641	4.38E-10	3.30E-10		1.33E+00
ENSBTAG00000047721	8.90E-10	6.71E-10		1.33E+00
ENSBTAG00000035988	8.76E-10	6.60E-10		1.33E+00
ENSBTAG00000018182	8.76E-10	6.60E-10		1.33E+00
ENSBTAG00000010919	4.89E-10	3.69E-10	USP47	1.33E+00
ENSBTAG00000009067	1.11E-10	8.29E-11	DDX6	1.33E+00
ENSBTAG00000015791	1.79E-09	1.34E-09		1.34E+00
ENSBTAG00000031025	1.34E-09	1.01E-09		1.32E+00
ENSBTAG00000000977	3.26E-10	2.45E-10	CADM1	1.33E+00
ENSBTAG00000037875	1.30E-09	9.80E-10		1.33E+00
ENSBTAG00000037483	5.00E-10	3.76E-10		1.33E+00
ENSBTAG00000031299	5.94E-10	4.45E-10	TTC17	1.33E+00
ENSBTAG00000037962	4.76E-10	3.55E-10	MAML2	1.34E+00
ENSBTAG00000012630	2.12E-10	1.57E-10	PAMR1	1.35E+00
ENSBTAG00000008465	1.80E-10	1.33E-10	ACCS	1.35E+00
ENSBTAG00000032056	1.04E-09	7.70E-10	OR10A4	1.36E+00
ENSBTAG00000032052	1.90E-09	1.40E-09		1.35E+00
ENSBTAG00000010060	1.42E-09	1.04E-09		1.36E+00
ENSBTAG00000040449	4.70E-10	3.45E-10	C11orf97	1.36E+00
ENSBTAG000000047111	3.22E-10	2.37E-10		1.36E+00
ENSBTAG000000013111	6.74E-10	4.94E-10	RRM1	1.36E+00
ENSBTAG00000013029	2.30E-10	1.68E-10	ARNTL	1.37E+00
ENSBTAG00000005338	2.92E-10	2.13E-10	EIF3M	1.37E+00
ENSBTAG00000038058	1.11E-09	8.10E-10		1.37E+00
ENSBTAG00000002302	2.90E-10	2.11E-10	CD59	1.37E+00
ENSBTAG00000026441	1.67E-09	1.21E-09		1.38E+00
ENSBTAG00000048029	6.29E-10	4.55E-10		1.38E+00
ENSBTAG00000009255	5.84E-10	4.21E-10	DNHD1	1.39E+00
ENSBTAG000000021700	1.67E-10	1.21E-10	MADD	1.38E+00
ENSBTAG00000039760	4.48E-10	3.22E-10		1.39E+00
ENSBTAG00000000763	6.12E-10	4.39E-10		1.39E+00
ENSBTAG00000018259	6.16E-10	4.42E-10		1.39E+00
ENSBTAG00000014853	6.06E-10	4.35E-10		1.39E+00
ENSBTAG00000014611	3.57E-10	2.56E-10	SORL1	1.39E+00
ENSBTAG00000002907	5.43E-10	3.88E-10	C2CD3	1.40E+00
ENSBTAG00000016855	1.93E-10	1.38E-10	BUD13	1.40E+00
ENSBTAG00000011910	2.72E-10	1.93E-10	STK33	1.41E+00
ENSBTAG00000005218	1.93E-10	1.37E-10	PDE3B	1.41E+00
ENSBTAG00000005356	3.53E-10	2.51E-10	ST5	1.41E+00
ENSBTAG00000003661	1.49E-10	1.05E-10		1.42E+00
ENSBTAG00000016744	1.65E-10	1.17E-10	CAPRIN1	1.41E+00
ENSBTAG00000009748	1.38E-10	9.67E-11	MFRP	1.43E+00
ENSBTAG00000001917	1.49E-10	1.04E-10	C11orf16	1.43E+00
ENSBTAG000000040197	1.15E-09	8.00E-10	OR10W1	1.43E+00
ENSBTAG00000004456	5.53E-10	3.87E-10	TECTA	1.43E+00
ENSBTAG00000040150	7.61E-10	5.31E-10		1.43E+00
ENSBTAG00000030908	7.85E-10	5.48E-10	OR9Q2	1.43E+00
ENSBTAG00000039405	7.85E-10	5.48E-10		1.43E+00
ENSBTAG00000012621	2.49E-10	1.73E-10	RTN4RL2	1.44E+00
ENSBTAG00000008732	3.20E-10	2.22E-10	ZC3H12C	1.44E+00
ENSBTAG000000040480	2.35E-09	1.63E-09		1.44E+00
ENSBTAG00000008613	3.14E-10	2.17E-10	TCP11L1	1.45E+00
ENSBTAG00000008617	3.00E-10	2.07E-10	CSTF3	1.45E+00
ENSBTAG00000040569	1.87E-10	1.29E-10	NLRX1	1.45E+00
ENSBTAG00000005340	4.99E-10	3.42E-10	SERGEF	1.46E+00
ENSBTAG00000037751	6.41E-10	4.40E-10		1.46E+00
ENSBTAG00000013162	2.04E-10	1.40E-10	HSPA8	1.45E+00
ENSBTAG00000038161	9.55E-10	6.54E-10		1.46E+00
ENSBTAG000000044185	3.65E-10	2.49E-10	SOX6	1.47E+00
ENSBTAG00000031943	1.14E-09	7.68E-10		1.48E+00
ENSBTAG00000018261	8.46E-10	5.73E-10	PDHX	1.48E+00
ENSBTAG00000001280	7.24E-10	4.90E-10	CLPB	1.48E+00
ENSBTAG00000016869	4.61E-10	3.12E-10	POLD3	1.48E+00
ENSBTAG00000027348	6.78E-10	4.59E-10		1.48E+00
ENSBTAG00000037853	1.10E-09	7.42E-10		1.48E+00
ENSBTAG00000020095	3.02E-10	2.04E-10	MS4A3	1.48E+00

ENSBTAG00000008219	1.69E-10	1.13E-10	RBM7	1.49E+00
ENSBTAG00000037928	1.33E-09	8.87E-10		1.50E+00
ENSBTAG00000002679	1.33E-09	8.87E-10		1.50E+00
ENSBTAG00000020046	3.33E-10	2.22E-10	CLMP	1.50E+00
ENSBTAG00000021233	1.31E-09	8.79E-10	ORSB17	1.50E+00
ENSBTAG00000007196	2.65E-10	1.77E-10	TAGLN	1.50E+00
ENSBTAG00000000696	1.88E-10	1.25E-10	ILK	1.51E+00
ENSBTAG00000032657	4.87E-10	3.25E-10	TEAD1	1.50E+00
ENSBTAG00000038323	1.61E-09	1.07E-09	GLYAT	1.50E+00
ENSBTAG00000000475	1.96E-10	1.30E-10	IMMP1L	1.50E+00
ENSBTAG00000014251	4.79E-10	3.18E-10	MMP20	1.51E+00
ENSBTAG00000039088	1.48E-09	9.83E-10		1.51E+00
ENSBTAG00000027759	6.97E-10	4.61E-10		1.51E+00
ENSBTAG00000010681	2.41E-10	1.59E-10	NR1H3	1.51E+00
ENSBTAG00000031252	3.36E-10	2.21E-10	CD82	1.52E+00
ENSBTAG00000031362	1.85E-10	1.22E-10	NXPE2	1.51E+00
ENSBTAG00000044059	1.53E-09	1.00E-09	CHRNA10	1.53E+00
ENSBTAG00000023542	1.30E-09	8.56E-10		1.52E+00
ENSBTAG00000038737	3.40E-10	2.23E-10	P2RY6	1.52E+00
ENSBTAG00000001410	5.59E-10	3.66E-10	GRAMD1B	1.53E+00
ENSBTAG00000011793	2.25E-10	1.47E-10	FDX1	1.53E+00
ENSBTAG00000000087	2.69E-10	1.75E-10	HSD17B12	1.53E+00
ENSBTAG00000020580	7.32E-10	4.73E-10	TCN1	1.55E+00
ENSBTAG000000012540	1.24E-09	8.01E-10		1.55E+00
ENSBTAG000000003679	1.83E-10	1.18E-10		1.55E+00
ENSBTAG00000044158	4.34E-10	2.78E-10	LDLRAD3	1.56E+00
ENSBTAG00000034193	2.52E-10	1.62E-10	BCO2	1.56E+00
ENSBTAG00000001233	1.36E-10	8.76E-11	MPZL3	1.56E+00
ENSBTAG00000013033	2.36E-10	1.51E-10	BTBD10	1.56E+00
ENSBTAG00000034338	2.03E-10	1.29E-10	MGC133619	1.57E+00
ENSBTAG00000002117	9.39E-11	5.98E-11	KIF18A	1.57E+00
ENSBTAG00000021590	1.67E-10	1.05E-10	ORS2B2	1.59E+00
ENSBTAG00000047489	1.73E-10	1.09E-10		1.59E+00
ENSBTAG00000047662	1.69E-10	1.06E-10		1.60E+00
ENSBTAG00000045558	1.71E-10	1.08E-10		1.59E+00
ENSBTAG00000017794	7.74E-11	4.87E-11	CCDC153	1.59E+00
ENSBTAG00000047380	1.08E-10	6.80E-11	CALCA	1.59E+00
ENSBTAG00000047083	3.34E-10	2.10E-10		1.59E+00
ENSBTAG00000005278	7.09E-11	4.47E-11	WEE1	1.59E+00
ENSBTAG00000047498	3.50E-10	2.20E-10		1.59E+00
ENSBTAG00000045939	3.85E-10	2.42E-10	MPEG1	1.59E+00
ENSBTAG00000027443	3.36E-10	2.11E-10		1.59E+00
ENSBTAG00000024918	6.88E-11	4.33E-11	BIRC3	1.59E+00
ENSBTAG00000015710	1.70E-10	1.07E-10	CD3E	1.59E+00
ENSBTAG00000036130	1.76E-10	1.11E-10		1.59E+00
ENSBTAG00000027716	5.54E-10	3.48E-10		1.59E+00
ENSBTAG00000023310	1.71E-10	1.07E-10		1.60E+00
ENSBTAG00000045959	1.71E-10	1.07E-10		1.60E+00
ENSBTAG00000001704	5.47E-10	3.44E-10		1.59E+00
ENSBTAG00000027577	1.69E-10	1.06E-10	C11orf91	1.59E+00
ENSBTAG00000020746	5.17E-10	3.25E-10		1.59E+00
ENSBTAG00000027562	2.54E-10	1.60E-10	C11orf94	1.59E+00
ENSBTAG00000021375	6.86E-10	4.31E-10	OR10Q1	1.59E+00
ENSBTAG00000020673	6.86E-10	4.31E-10		1.59E+00
ENSBTAG00000048221	1.79E-10	1.13E-10		1.59E+00
ENSBTAG00000006452	1.97E-10	1.24E-10	CD3D	1.59E+00
ENSBTAG00000038539	5.22E-10	3.28E-10		1.59E+00
ENSBTAG00000026826	7.06E-10	4.44E-10		1.59E+00
ENSBTAG00000037644	7.86E-10	4.93E-10	HBG	1.59E+00
ENSBTAG00000026929	5.09E-10	3.20E-10		1.59E+00
ENSBTAG00000038637	7.00E-10	4.39E-10		1.59E+00
ENSBTAG00000046274	1.77E-10	1.11E-10		1.59E+00
ENSBTAG00000046028	1.82E-10	1.15E-10		1.58E+00
ENSBTAG00000035006	6.97E-10	4.38E-10		1.59E+00
ENSBTAG00000035990	6.95E-10	4.36E-10		1.59E+00
ENSBTAG00000011332	8.29E-10	5.20E-10	TRIM68	1.59E+00
ENSBTAG00000038636	8.70E-10	5.46E-10		1.59E+00
ENSBTAG00000039214	1.58E-09	9.89E-10		1.60E+00
ENSBTAG00000031030	1.29E-09	8.07E-10		1.60E+00
ENSBTAG00000038267	1.92E-09	1.20E-09		1.60E+00

ENSBTAG00000019062	3.50E-10	2.17E-10	FCHSD2	1.61E+00
ENSBTAG00000002914	5.97E-10	3.69E-10	GALNT18	1.62E+00
ENSBTAG000000021340	2.35E-10	1.45E-10	POU2F3	1.62E+00
ENSBTAG00000011549	1.11E-09	6.85E-10		1.62E+00
ENSBTAG00000017443	2.79E-10	1.72E-10		1.62E+00
ENSBTAG000000009518	3.28E-10	2.01E-10	ALKBH3	1.63E+00
ENSBTAG000000007192	2.07E-10	1.27E-10	SIDT2	1.63E+00
ENSBTAG000000006951	1.89E-10	1.15E-10	LMO2	1.64E+00
ENSBTAG000000021002	3.05E-10	1.85E-10	ACP2	1.65E+00
ENSBTAG000000020956	3.30E-10	2.00E-10	MPPED2	1.65E+00
ENSBTAG000000005138	1.95E-10	1.18E-10	BCL9L	1.65E+00
ENSBTAG00000017146	3.73E-10	2.25E-10	GRIK4	1.66E+00
ENSBTAG000000004581	8.40E-10	5.05E-10	MS4A14	1.66E+00
ENSBTAG000000011266	3.37E-10	2.02E-10	ZBTB16	1.67E+00
ENSBTAG000000008804	3.73E-10	2.24E-10	SAAL1	1.66E+00
ENSBTAG00000018629	8.47E-10	5.04E-10	CWF19L2	1.68E+00
ENSBTAG000000046829	1.87E-09	1.11E-09		1.68E+00
ENSBTAG00000012846	3.88E-10	2.30E-10	KIAA1549L	1.69E+00
ENSBTAG00000017934	1.64E-09	9.74E-10		1.69E+00
ENSBTAG00000039272	1.34E-09	7.81E-10		1.71E+00
ENSBTAG00000016355	2.64E-10	1.53E-10	UVRAG	1.73E+00
ENSBTAG00000020332	4.93E-10	2.86E-10	OSBP	1.72E+00
ENSBTAG00000046285	7.05E-10	4.09E-10	OR8I2	1.72E+00
ENSBTAG000000038727	1.12E-09	6.50E-10		1.73E+00
ENSBTAG000000010709	5.30E-10	3.06E-10		1.73E+00
ENSBTAG000000039735	1.14E-09	6.60E-10		1.73E+00
ENSBTAG00000003111	2.73E-10	1.57E-10	ATM	1.74E+00
ENSBTAG00000045556	1.85E-09	1.07E-09		1.73E+00
ENSBTAG00000012937	4.34E-10	2.47E-10	ACAD8	1.76E+00
ENSBTAG00000016692	2.98E-10	1.68E-10	DSCAML1	1.77E+00
ENSBTAG00000039340	5.55E-10	3.12E-10	SCN4B	1.78E+00
ENSBTAG000000036260	4.33E-10	2.44E-10	LPXN	1.77E+00
ENSBTAG000000004046	1.13E-09	6.30E-10	DTX4	1.79E+00
ENSBTAG00000009176	2.63E-10	1.47E-10	ANKRD49	1.79E+00
ENSBTAG00000020731	3.48E-10	1.95E-10	PRRG4	1.79E+00
ENSBTAG00000040408	7.88E-10	4.39E-10		1.79E+00
ENSBTAG000000046710	8.06E-10	4.49E-10		1.79E+00
ENSBTAG000000009574	1.41E-10	7.87E-11	ARFGAP2	1.79E+00
ENSBTAG00000040330	7.78E-10	4.34E-10	OR5M11	1.79E+00
ENSBTAG000000006345	8.85E-10	4.93E-10		1.79E+00
ENSBTAG000000046489	7.98E-10	4.45E-10		1.79E+00
ENSBTAG00000014309	8.19E-10	4.57E-10		1.79E+00
ENSBTAG00000006690	1.23E-10	6.83E-11	ARCN1	1.80E+00
ENSBTAG000000000727	1.80E-10	9.94E-11	RNF169	1.81E+00
ENSBTAG000000021147	2.45E-09	1.35E-09		1.81E+00
ENSBTAG00000001027	3.29E-10	1.82E-10	SERPINH1	1.81E+00
ENSBTAG000000015628	2.94E-10	1.62E-10	SMPD1	1.82E+00
ENSBTAG000000015939	3.49E-10	1.91E-10	PVRL1	1.83E+00
ENSBTAG000000003770	6.26E-10	3.42E-10	PTS	1.83E+00
ENSBTAG00000008709	2.34E-10	1.28E-10	KDELC2	1.83E+00
ENSBTAG000000021306	4.28E-10	2.34E-10	CHRDL2	1.83E+00
ENSBTAG000000047026	1.43E-09	7.81E-10		1.83E+00
ENSBTAG00000019436	1.73E-10	9.34E-11	SLC39A13	1.85E+00
ENSBTAG00000001028	3.41E-10	1.84E-10	MAP6	1.85E+00
ENSBTAG000000033510	1.63E-10	8.81E-11	MPZL2	1.85E+00
ENSBTAG000000002043	6.12E-10	3.29E-10		1.86E+00
ENSBTAG00000048301	6.16E-10	3.31E-10		1.86E+00
ENSBTAG00000019768	6.20E-10	3.33E-10	OR5P3	1.86E+00
ENSBTAG000000035059	6.08E-10	3.27E-10		1.86E+00
ENSBTAG000000004583	7.78E-10	4.17E-10	MS4A5	1.87E+00
ENSBTAG000000003087	2.14E-10	1.15E-10	DCUN1D5	1.86E+00
ENSBTAG000000046741	1.23E-09	6.58E-10		1.86E+00
ENSBTAG000000005923	6.21E-10	3.30E-10	ABTB2	1.88E+00
ENSBTAG000000039182	1.69E-09	8.90E-10	OR5M3	1.90E+00
ENSBTAG000000005357	1.92E-10	1.01E-10	VPS11	1.90E+00
ENSBTAG000000000333	2.40E-10	1.26E-10	ARHGAP20	1.91E+00
ENSBTAG000000031026	1.07E-09	5.57E-10	OR4X1	1.91E+00
ENSBTAG000000047464	1.04E-09	5.41E-10		1.91E+00
ENSBTAG000000037886	1.02E-09	5.34E-10		1.92E+00
ENSBTAG00000012549	1.06E-09	5.53E-10	OR4C3	1.92E+00



ENSBTAG00000012229	5.50E-10	2.87E-10		1.92E+00
ENSBTAG00000032782	3.63E-10	1.89E-10	INSC	1.92E+00
ENSBTAG00000021029	5.58E-10	2.89E-10	PRR5L	1.93E+00
ENSBTAG00000015182	3.30E-10	1.70E-10	STARD10	1.94E+00
ENSBTAG00000009573	2.89E-10	1.48E-10	C11orf49	1.95E+00
ENSBTAG00000013997	1.06E-09	5.41E-10		1.95E+00
ENSBTAG00000027612	2.23E-10	1.14E-10	PPME1	1.95E+00
ENSBTAG00000012882	2.48E-10	1.26E-10	CUL5	1.97E+00
ENSBTAG00000002411	4.80E-10	2.44E-10	CTNND1	1.97E+00
ENSBTAG00000005627	1.90E-10	9.63E-11	PAFAH1B2	1.97E+00
ENSBTAG00000018945	2.18E-10	1.10E-10	AMOTL1	1.98E+00
ENSBTAG00000003126	7.24E-11	3.65E-11	PEX16	1.98E+00
ENSBTAG00000010486	3.32E-10	1.67E-10	OR9G1	1.98E+00
ENSBTAG00000048166	4.27E-10	2.14E-10		1.99E+00
ENSBTAG00000019770	4.45E-10	2.24E-10	APOA4	1.98E+00
ENSBTAG00000047104	4.31E-10	2.17E-10		1.98E+00
ENSBTAG00000027949	4.25E-10	2.14E-10		1.99E+00
ENSBTAG00000032859	3.78E-10	1.90E-10		1.99E+00
ENSBTAG00000004765	4.29E-10	2.16E-10		1.99E+00
ENSBTAG00000027889	4.23E-10	2.12E-10	OR52N4	1.99E+00
ENSBTAG00000035675	3.35E-09	1.68E-09		1.99E+00
ENSBTAG00000047945	8.67E-10	4.35E-10		1.99E+00
ENSBTAG00000047803	1.85E-09	9.24E-10		2.00E+00
ENSBTAG00000045488	1.73E-09	8.65E-10		2.00E+00
ENSBTAG00000024423	1.71E-09	8.54E-10		2.00E+00
ENSBTAG00000019059	3.07E-10	1.53E-10	ATG16L2	2.00E+00
ENSBTAG00000003582	7.40E-10	3.65E-10	OR51I1	2.03E+00
ENSBTAG00000004275	3.99E-10	1.96E-10	DKK3	2.03E+00
ENSBTAG00000014137	2.36E-10	1.16E-10	CEP164	2.03E+00
ENSBTAG00000021707	1.90E-10	9.31E-11	MYBPC3	2.04E+00
ENSBTAG00000018390	8.31E-10	4.08E-10	GLB1L2	2.04E+00
ENSBTAG00000016197	1.64E-10	8.02E-11	PHLDB1	2.04E+00
ENSBTAG00000012417	2.18E-10	1.07E-10	ARL14EP	2.04E+00
ENSBTAG00000038756	7.37E-10	3.61E-10	GLB1L3	2.04E+00
ENSBTAG00000014838	3.24E-10	1.58E-10	VPS26B	2.05E+00
ENSBTAG00000006579	4.68E-10	2.27E-10	P4HA3	2.06E+00
ENSBTAG00000012398	8.29E-10	4.00E-10	ApoC3	2.07E+00
ENSBTAG00000017964	6.62E-10	3.18E-10	LRRC51	2.08E+00
ENSBTAG00000015091	3.32E-10	1.60E-10		2.08E+00
ENSBTAG000000033509	1.15E-09	5.53E-10	OR4D9	2.08E+00
ENSBTAG00000020485	3.14E-10	1.50E-10	ARRB1	2.09E+00
ENSBTAG00000037991	1.21E-09	5.74E-10		2.10E+00
ENSBTAG00000016202	2.21E-10	1.04E-10	TREH	2.13E+00
ENSBTAG00000009607	2.51E-10	1.18E-10	LARGE2	2.12E+00
ENSBTAG00000046527	7.11E-10	3.35E-10		2.12E+00
ENSBTAG00000027942	9.37E-10	4.40E-10		2.13E+00
ENSBTAG00000008923	2.17E-10	1.01E-10	GPR83	2.15E+00
ENSBTAG00000017650	9.36E-10	4.37E-10	TMPRSS5	2.14E+00
ENSBTAG00000020884	2.40E-10	1.11E-10	CASP4	2.16E+00
ENSBTAG00000046762	1.60E-09	7.27E-10		2.20E+00
ENSBTAG00000031777	3.09E-10	1.39E-10	GDPD5	2.22E+00
ENSBTAG00000039110	1.21E-09	5.39E-10		2.24E+00
ENSBTAG00000047362	1.95E-10	8.68E-11	RCN1	2.25E+00
ENSBTAG00000031029	1.55E-09	6.82E-10		2.27E+00
ENSBTAG00000003001	5.96E-10	2.60E-10	LAMTOR1	2.29E+00
ENSBTAG00000009061	2.26E-10	9.75E-11	FAR1	2.32E+00
ENSBTAG00000018449	7.92E-10	3.38E-10	NUMA1	2.34E+00
ENSBTAG00000039821	1.72E-10	7.23E-11		2.38E+00
ENSBTAG00000038062	1.74E-10	7.32E-11	FUT4	2.38E+00
ENSBTAG00000012507	9.09E-11	3.82E-11	PDZD3	2.38E+00
ENSBTAG00000020032	3.56E-10	1.49E-10	CEP126	2.39E+00
ENSBTAG00000005671	4.09E-10	1.71E-10	UBQLNL	2.39E+00
ENSBTAG00000047007	5.36E-10	2.24E-10		2.39E+00
ENSBTAG00000037878	5.24E-10	2.19E-10		2.39E+00
ENSBTAG00000040008	2.65E-10	1.11E-10		2.38E+00
ENSBTAG00000021048	1.08E-10	4.52E-11	ADM	2.38E+00
ENSBTAG00000027610	5.92E-10	2.48E-10		2.39E+00
ENSBTAG00000019622	3.62E-10	1.52E-10		2.38E+00
ENSBTAG00000035008	5.25E-10	2.20E-10		2.39E+00
ENSBTAG00000031923	5.22E-10	2.19E-10		2.38E+00

ENSBTAG0000005945	1.16E-10	4.87E-11	NXPE4	2.38E+00
ENSBTAG00000027637	7.78E-10	3.25E-10		2.39E+00
ENSBTAG00000038049	1.89E-09	7.83E-10		2.41E+00
ENSBTAG00000046460	1.33E-09	5.55E-10		2.40E+00
ENSBTAG00000016267	9.84E-10	4.08E-10	SERPING1	2.41E+00
ENSBTAG00000006755	6.33E-10	2.61E-10	C11orf58	2.43E+00
ENSBTAG00000012941	1.80E-10	7.32E-11	IFT46	2.46E+00
ENSBTAG00000005259	7.54E-10	3.06E-10	UCP3	2.47E+00
ENSBTAG00000015013	2.07E-10	8.34E-11	C2CD2L	2.48E+00
ENSBTAG00000010791	3.01E-10	1.21E-10	HTR3A	2.48E+00
ENSBTAG00000027516	5.07E-10	2.03E-10	APLNR	2.50E+00
ENSBTAG00000044177	9.86E-10	3.93E-10	C11orf53	2.51E+00
ENSBTAG00000017468	8.05E-10	3.20E-10	NUCB2	2.52E+00
ENSBTAG00000020999	1.54E-10	6.11E-11	DDB2	2.51E+00
ENSBTAG00000030920	9.97E-10	3.94E-10		2.53E+00
ENSBTAG00000047556	1.40E-09	5.51E-10		2.54E+00
ENSBTAG00000021342	1.58E-10	6.11E-11	TMEM136	2.58E+00
ENSBTAG00000002382	6.10E-10	2.32E-10	DDX10	2.63E+00
ENSBTAG00000000986	6.83E-10	2.57E-10	USH1C	2.66E+00
ENSBTAG00000039773	5.98E-10	2.25E-10		2.66E+00
ENSBTAG00000018093	1.61E-10	6.03E-11	KMT2A	2.66E+00
ENSBTAG00000035027	8.59E-10	3.23E-10		2.66E+00
ENSBTAG00000040425	8.87E-10	3.33E-10		2.66E+00
ENSBTAG00000013156	9.14E-10	3.43E-10		2.66E+00
ENSBTAG000000047021	8.38E-10	3.15E-10		2.66E+00
ENSBTAG00000005913	8.03E-10	3.01E-10	PATL1	2.67E+00
ENSBTAG00000045878	2.19E-09	8.17E-10		2.68E+00
ENSBTAG00000021709	1.85E-10	6.73E-11	SPI1	2.74E+00
ENSBTAG00000004639	1.47E-10	5.28E-11	HARBI1	2.78E+00
ENSBTAG00000020793	2.31E-10	8.30E-11	KCNA4	2.78E+00
ENSBTAG00000040236	6.02E-10	2.16E-10		2.79E+00
ENSBTAG00000035029	6.12E-10	2.19E-10		2.79E+00
ENSBTAG00000037384	6.16E-10	2.21E-10		2.78E+00
ENSBTAG00000039330	5.98E-10	2.14E-10		2.79E+00
ENSBTAG00000008236	5.98E-10	2.14E-10	OR51E2	2.79E+00
ENSBTAG00000027490	1.22E-09	4.36E-10	OR5A1	2.80E+00
ENSBTAG00000048037	1.26E-09	4.49E-10		2.80E+00
ENSBTAG00000013109	8.38E-10	2.97E-10	STIM1	2.82E+00
ENSBTAG00000003052	3.98E-10	1.39E-10	PCSK7	2.86E+00
ENSBTAG00000006974	4.76E-10	1.65E-10	PLEKHA7	2.89E+00
ENSBTAG00000027524	7.36E-10	2.55E-10	SMTNL1	2.89E+00
ENSBTAG00000016768	9.36E-10	3.22E-10	SCN3B	2.91E+00
ENSBTAG00000001537	1.35E-10	4.62E-11	TSKU	2.91E+00
ENSBTAG00000002999	5.69E-10	1.95E-10	ANAPC15	2.92E+00
ENSBTAG00000000700	5.32E-10	1.82E-10	PARVA	2.92E+00
ENSBTAG00000039050	5.51E-10	1.89E-10	P2RY2	2.92E+00
ENSBTAG00000005364	1.24E-10	4.24E-11	HMBS	2.91E+00
ENSBTAG00000015810	8.24E-10	2.82E-10	PLET1	2.92E+00
ENSBTAG00000033506	9.70E-10	3.31E-10		2.93E+00
ENSBTAG00000009830	1.96E-10	6.68E-11	PLEKHB1	2.94E+00
ENSBTAG00000016146	1.96E-09	6.64E-10		2.95E+00
ENSBTAG00000012989	8.75E-10	2.95E-10	UBE2L6	2.97E+00
ENSBTAG00000039331	1.22E-09	4.07E-10		3.00E+00
ENSBTAG00000020980	6.30E-10	2.07E-10	CAT	3.04E+00
ENSBTAG00000002404	4.73E-10	1.55E-10	TMX2	3.05E+00
ENSBTAG00000012820	9.15E-10	2.99E-10	STX3	3.06E+00
ENSBTAG00000002260	4.35E-10	1.40E-10	NCAPD3	3.10E+00
ENSBTAG00000031017	7.50E-10	2.40E-10		3.12E+00
ENSBTAG00000006282	1.67E-10	5.37E-11	POU2AF1	3.11E+00
ENSBTAG00000003955	6.20E-10	1.96E-10	MYO7A	3.16E+00
ENSBTAG00000014594	3.12E-10	9.82E-11		3.18E+00
ENSBTAG00000040478	3.50E-10	1.10E-10		3.18E+00
ENSBTAG000000045850	3.48E-10	1.09E-10		3.19E+00
ENSBTAG00000046624	3.98E-10	1.25E-10		3.19E+00
ENSBTAG00000033699	4.66E-10	1.46E-10		3.19E+00
ENSBTAG00000046845	7.00E-10	2.19E-10		3.19E+00
ENSBTAG00000027489	6.97E-10	2.19E-10	OR4D6	3.18E+00
ENSBTAG00000000770	4.85E-10	1.51E-10	PGM2L1	3.21E+00
ENSBTAG00000002520	1.78E-10	5.55E-11	CELF1	3.21E+00
ENSBTAG00000019358	3.65E-10	1.13E-10	RNF214	3.23E+00

ENSBTAG00000004580	7.56E-10	2.33E-10	MS4A1	3.24E+00
ENSBTAG00000003721	5.58E-10	1.68E-10	CHST1	3.32E+00
ENSBTAG000000030847	9.48E-10	2.83E-10	GLYATL2	3.35E+00
ENSBTAG000000035686	1.78E-09	5.26E-10		3.38E+00
ENSBTAG000000019549	1.12E-09	3.22E-10	OR51M1	3.47E+00
ENSBTAG000000046825	1.11E-09	3.19E-10		3.47E+00
ENSBTAG000000039056	1.00E-09	2.86E-10		3.51E+00
ENSBTAG000000019365	2.35E-10	6.68E-11	BACE1	3.52E+00
ENSBTAG000000039236	7.97E-10	2.24E-10		3.56E+00
ENSBTAG000000020033	7.88E-10	2.19E-10		3.60E+00
ENSBTAG000000047477	7.90E-10	2.20E-10		3.59E+00
ENSBTAG000000012053	4.48E-10	1.23E-10	ACCSL	3.64E+00
ENSBTAG000000002381	6.03E-10	1.64E-10	ZDHH5	3.68E+00
ENSBTAG000000048316	2.84E-10	7.70E-11		3.69E+00
ENSBTAG000000027275	2.07E-09	5.58E-10		3.71E+00
ENSBTAG000000021744	1.88E-10	5.06E-11	PSMC3	3.70E+00
ENSBTAG000000030898	5.61E-10	1.50E-10	MS4A13	3.74E+00
ENSBTAG000000037538	1.68E-09	4.41E-10		3.81E+00
ENSBTAG000000021223	7.36E-10	1.93E-10	CRY2	3.81E+00
ENSBTAG000000008347	5.94E-10	1.54E-10	MRPL48	3.85E+00
ENSBTAG000000027477	7.11E-10	1.83E-10	B3GAT1	3.88E+00
ENSBTAG000000000277	3.37E-10	8.64E-11	IL18	3.90E+00
ENSBTAG000000031609	6.47E-10	1.65E-10	THAP12	3.92E+00
ENSBTAG0000000012940	9.42E-11	2.37E-11	TMEM25	3.96E+00
ENSBTAG000000040023	3.91E-10	9.84E-11		3.98E+00
ENSBTAG000000047232	4.29E-10	1.08E-10		3.97E+00
ENSBTAG000000007324	2.13E-10	5.36E-11	LRR4C	3.97E+00
ENSBTAG000000038518	7.77E-10	1.95E-10	OR2D3	3.98E+00
ENSBTAG000000045739	1.29E-09	3.23E-10	OR5R1	4.01E+00
ENSBTAG000000017150	3.32E-10	8.29E-11	EHF	4.00E+00
ENSBTAG000000037389	6.43E-10	1.55E-10	TRIM44	4.15E+00
ENSBTAG0000000010889	1.09E-09	2.62E-10	FSHB	4.16E+00
ENSBTAG0000000017901	5.37E-10	1.24E-10	LAYN	4.33E+00
ENSBTAG000000037992	1.46E-09	3.21E-10	OR51Q1	4.55E+00
ENSBTAG0000000001922	6.56E-11	1.38E-11	AKIP1	4.72E+00
ENSBTAG0000000006093	3.23E-10	6.77E-11		4.77E+00
ENSBTAG000000035031	5.24E-10	1.10E-10		4.76E+00
ENSBTAG0000000016119	5.20E-10	1.09E-10		4.77E+00
ENSBTAG0000000018490	5.17E-10	1.08E-10	OR2D2	4.78E+00
ENSBTAG0000000040017	5.22E-10	1.09E-10		4.79E+00
ENSBTAG0000000003023	5.19E-10	1.09E-10		4.76E+00
ENSBTAG000000047860	8.46E-10	1.76E-10		4.80E+00
ENSBTAG000000006421	1.04E-09	2.17E-10	OR5AR1	4.80E+00
ENSBTAG0000000000232	1.02E-09	2.12E-10	OR51D1	4.79E+00
ENSBTAG000000008342	1.03E-09	2.12E-10	TMPRSS13	4.86E+00
ENSBTAG0000000000347	6.91E-10	1.38E-10	RHOG	5.01E+00
ENSBTAG0000000019168	5.46E-10	1.05E-10	PHOX2A	5.20E+00
ENSBTAG0000000014167	8.53E-10	1.64E-10	RNF121	5.20E+00
ENSBTAG00000000031937	1.98E-09	3.63E-10		5.45E+00
ENSBTAG0000000008419	6.18E-10	1.12E-10	PDE2A	5.51E+00
ENSBTAG0000000048307	5.36E-10	9.60E-11		5.57E+00
ENSBTAG00000000031924	6.04E-10	1.08E-10	OR52M1	5.59E+00
ENSBTAG00000000039253	6.00E-10	1.07E-10	OR51F2	5.60E+00
ENSBTAG0000000008432	5.22E-10	9.27E-11	NUP98	5.63E+00
ENSBTAG0000000000376	7.20E-10	1.28E-10	P2RX3	5.62E+00
ENSBTAG0000000020308	1.82E-10	2.99E-11	EIF4G2	6.07E+00
ENSBTAG00000000039178	1.23E-09	1.99E-10		6.16E+00
ENSBTAG0000000003638	9.76E-10	1.58E-10	ZNF215	6.17E+00
ENSBTAG00000000038899	6.82E-10	1.07E-10		6.37E+00
ENSBTAG00000000039298	6.86E-10	1.07E-10		6.41E+00
ENSBTAG00000000003000	5.63E-10	8.82E-11	TOMT	6.37E+00
ENSBTAG0000000048214	7.18E-10	1.12E-10		6.41E+00
ENSBTAG0000000007944	6.97E-10	1.09E-10		6.39E+00
ENSBTAG00000000020007	9.61E-10	1.50E-10		6.40E+00
ENSBTAG00000000037815	1.48E-09	2.24E-10		6.61E+00
ENSBTAG00000000021745	2.28E-10	3.37E-11	RAPSN	6.74E+00
ENSBTAG0000000047396	1.51E-09	2.21E-10		6.84E+00
ENSBTAG00000000025266	1.09E-09	1.56E-10	UBQLN3	7.01E+00
ENSBTAG0000000047968	3.59E-10	5.00E-11	BTBD18	7.16E+00
ENSBTAG0000000015015	1.68E-10	2.35E-11	HINFP	7.14E+00

ENSBTAG00000008433	4.93E-10	6.88E-11	PGAP2	7.16E+00
ENSBTAG000000045709	7.88E-10	1.10E-10		7.15E+00
ENSBTAG000000036025	8.02E-10	1.12E-10		7.16E+00
ENSBTAG00000002389	6.97E-10	8.99E-11	MED19	7.75E+00
ENSBTAG000000038748	5.01E-10	6.28E-11	HBB	7.96E+00
ENSBTAG000000046923	1.23E-09	1.49E-10		8.27E+00
ENSBTAG000000006493	2.91E-10	3.32E-11	CLP1	8.73E+00
ENSBTAG000000031028	9.77E-10	1.11E-10		8.79E+00
ENSBTAG000000048052	1.63E-09	1.84E-10		8.85E+00
ENSBTAG000000040185	1.03E-09	1.07E-10	OR51V1	9.61E+00
ENSBTAG00000002051	6.84E-10	6.98E-11		9.79E+00
ENSBTAG00000010005	1.03E-09	9.86E-11		1.04E+01
ENSBTAG000000037826	1.47E-09	1.41E-10		1.05E+01
ENSBTAG000000027676	5.87E-10	5.25E-11	IL18BP	1.12E+01
ENSBTAG000000020289	7.82E-10	6.99E-11	ZNF214	1.12E+01
ENSBTAG000000038532	8.66E-10	7.56E-11		1.14E+01
ENSBTAG000000019246	5.30E-10	4.32E-11		1.22E+01
ENSBTAG000000021007	9.39E-10	7.51E-11	FOLR1	1.25E+01
ENSBTAG000000016170	4.97E-10	3.89E-11	KCNJ11	1.27E+01
ENSBTAG000000019764	6.15E-10	4.82E-11	APOA5	1.27E+01
ENSBTAG000000024701	1.05E-09	7.96E-11		1.32E+01
ENSBTAG000000004901	5.30E-10	3.91E-11		1.35E+01
ENSBTAG000000016807	2.06E-09	1.11E-10		1.85E+01
ENSBTAG000000036042	2.05E-09	1.10E-10		1.86E+01
ENSBTAG000000016469	9.06E-10	4.39E-11	TNKS1BP1	2.06E+01
ENSBTAG000000019167	7.67E-10	3.66E-11	INPPL1	2.09E+01
ENSBTAG000000000375	4.56E-10	2.16E-11	SSRP1	2.10E+01
ENSBTAG000000014855	4.82E-10	2.17E-11	MICAL2	2.21E+01
ENSBTAG000000008193	3.23E-10	4.89E-12	MICALCL	6.48E+01
ENSBTAG000000013900	6.19E-10	9.23E-12	TRIM21	6.63E+01
ENSBTAG000000037488	0	0	JRKL	1.00E+00
ENSBTAG000000045821	0	0		1.00E+00
ENSBTAG000000014899	2.04E-10	0	TTC36	2.04E+03
ENSBTAG000000005371	1.36E-10	0	DPAGT1	1.36E+03
ENSBTAG000000027766	0	0	C1QTNF5	1.00E+00
ENSBTAG000000013994	4.44E-11	0	BSX	4.45E+02
ENSBTAG000000015244	4.13E-10	0		4.13E+03
ENSBTAG000000040308	8.80E-10	0		8.80E+03
ENSBTAG000000011914	0	0	RASSF10	1.00E+00
ENSBTAG000000047961	1.39E-09	0		1.39E+04
ENSBTAG000000010568	3.41E-10	0	ZBED5	3.41E+03
ENSBTAG000000032339	0	0	ASCL3	1.00E+00
ENSBTAG000000027642	1.20E-10	0	C11orf42	1.20E+03
ENSBTAG000000047847	2.57E-10	0		2.58E+03
ENSBTAG000000012325	3.08E-10	0		3.08E+03
ENSBTAG000000027684	8.80E-10	0		8.80E+03
ENSBTAG000000027578	2.09E-10	0		2.09E+03
ENSBTAG000000000487	6.46E-10	0		6.46E+03
ENSBTAG000000047298	5.49E-11	0		5.50E+02
ENSBTAG000000038160	2.00E-10	0		2.00E+03
ENSBTAG000000016082	5.06E-11	0		5.07E+02
ENSBTAG000000040339	5.16E-10	0		5.16E+03
ENSBTAG000000046627	8.64E-11	0	OR51L1	8.65E+02
ENSBTAG000000046816	0	0	OR51G1	1.00E+00
ENSBTAG000000038170	0	0		1.00E+00
ENSBTAG000000000233	8.58E-11	0	OR51E1	8.59E+02
ENSBTAG000000013683	4.33E-10	0		4.33E+03
ENSBTAG000000040075	5.17E-10	0		5.17E+03
ENSBTAG000000034724	1.75E-09	0		1.75E+04
ENSBTAG000000039149	2.52E-10	0	CLDN25	2.52E+03
ENSBTAG000000012562	6.29E-11	0	RNF26	6.30E+02
ENSBTAG000000040051	0	0		1.00E+00
ENSBTAG000000045599	6.04E-10	0		6.04E+03
ENSBTAG000000004443	2.57E-10	0		2.57E+03
ENSBTAG000000008892	8.50E-11	0	OR52W1	8.51E+02
ENSBTAG000000032256	1.02E-10	0		1.02E+03
ENSBTAG000000012546	0	0		1.00E+00
ENSBTAG000000005624	1.37E-09	0		1.37E+04
ENSBTAG000000003056	7.68E-10	0		7.68E+03
ENSBTAG000000001291	9.67E-10	0		9.67E+03

ENSBTAG00000046983	8.72E-11	0		8.73E+02
ENSBTAG00000046921	1.73E-10	0		1.74E+03
ENSBTAG00000039651	2.54E-10	0		2.54E+03
ENSBTAG00000037523	0	1.04E-10	B3GALT6	9.61E-04
ENSBTAG00000018143	6.23E-11	6.20E-10	C1orf116	1.01E-01
ENSBTAG00000006692	7.59E-11	7.11E-10	IL19	1.07E-01
ENSBTAG00000047603	1.97E-10	9.96E-10		1.97E-01
ENSBTAG00000033252	2.04E-10	1.03E-09		1.98E-01
ENSBTAG00000002757	1.62E-10	8.21E-10	IL20	1.98E-01
ENSBTAG00000019799	1.63E-10	5.40E-10	FCAMR	3.02E-01
ENSBTAG00000002126	9.69E-11	2.98E-10	PFKFB2	3.26E-01
ENSBTAG00000039764	2.52E-10	7.44E-10	IER5	3.39E-01
ENSBTAG00000002854	2.46E-10	6.92E-10	TMEM63A	3.55E-01
ENSBTAG00000014705	8.07E-11	2.03E-10	HES4	3.98E-01
ENSBTAG00000020273	1.46E-10	3.22E-10	YOD1	4.53E-01
ENSBTAG00000005835	3.52E-10	7.32E-10		4.81E-01
ENSBTAG00000019339	1.03E-10	2.08E-10		4.95E-01
ENSBTAG00000007997	5.03E-10	9.98E-10		5.04E-01
ENSBTAG00000048308	8.68E-11	1.64E-10	ICMT	5.29E-01
ENSBTAG00000010803	1.68E-10	3.17E-10	CHML	5.29E-01
ENSBTAG00000004064	3.61E-10	6.73E-10	BPNT1	5.36E-01
ENSBTAG00000018723	2.38E-10	4.15E-10	SLC25A34	5.73E-01
ENSBTAG00000009618	2.32E-10	4.06E-10	NEK2	5.73E-01
ENSBTAG00000000140	2.94E-10	5.01E-10	EPHX1	5.87E-01
ENSBTAG000000000792	2.23E-10	3.63E-10	AJAP1	6.16E-01
ENSBTAG00000000772	2.74E-10	4.15E-10		6.61E-01
ENSBTAG00000045754	1.09E-10	1.65E-10	SMIM1	6.60E-01
ENSBTAG00000007606	9.49E-11	1.41E-10	HNRNPU	6.73E-01
ENSBTAG00000000759	5.50E-10	8.05E-10	NENF	6.84E-01
ENSBTAG00000002266	3.60E-10	5.23E-10	NPL	6.88E-01
ENSBTAG00000014059	1.59E-10	2.28E-10	ATP2B4	6.95E-01
ENSBTAG000000046655	3.33E-10	4.80E-10		6.94E-01
ENSBTAG00000014319	1.54E-10	2.19E-10		7.04E-01
ENSBTAG00000012389	3.00E-10	4.15E-10		7.22E-01
ENSBTAG00000018722	3.40E-10	4.68E-10	PLEKHM2	7.27E-01
ENSBTAG00000007851	7.46E-10	1.02E-09	IL24	7.32E-01
ENSBTAG00000018725	1.44E-10	1.95E-10	FBLIM1	7.37E-01
ENSBTAG00000010392	4.29E-10	5.63E-10	ESRRG	7.61E-01
ENSBTAG00000030910	5.98E-10	7.78E-10		7.69E-01
ENSBTAG000000007860	2.68E-10	3.47E-10	ASPM	7.72E-01
ENSBTAG00000013197	5.02E-10	6.45E-10	PSEN2	7.79E-01
ENSBTAG00000024525	1.33E-10	1.68E-10	HES3	7.92E-01
ENSBTAG00000011508	1.14E-10	1.43E-10		7.95E-01
ENSBTAG000000037896	1.27E-10	1.59E-10		7.96E-01
ENSBTAG00000006030	1.15E-10	1.45E-10	MYOG	7.96E-01
ENSBTAG00000015635	5.76E-11	7.26E-11	TNFRSF4	7.94E-01
ENSBTAG000000034366	5.48E-10	6.91E-10	RGS2	7.94E-01
ENSBTAG000000044081	9.52E-10	1.20E-09	AUH	7.94E-01
ENSBTAG00000024542	3.68E-10	4.63E-10		7.94E-01
ENSBTAG00000019630	4.06E-10	5.12E-10	RGL1	7.93E-01
ENSBTAG00000004176	1.01E-09	1.27E-09	PDC	7.92E-01
ENSBTAG000000039662	4.42E-11	5.57E-11	RSC1A1	7.94E-01
ENSBTAG00000022942	1.86E-10	2.34E-10		7.94E-01
ENSBTAG00000033322	1.38E-10	1.74E-10	SRP9	7.92E-01
ENSBTAG00000010909	2.65E-11	3.34E-11	SLC30A1	7.94E-01
ENSBTAG00000000477	6.35E-11	8.01E-11	TLR5	7.94E-01
ENSBTAG00000014127	1.40E-10	1.76E-10	PTGS2	7.94E-01
ENSBTAG00000015632	1.83E-10	2.31E-10	TNFRSF18	7.94E-01
ENSBTAG00000002139	1.78E-10	2.24E-10	MXL1	7.95E-01
ENSBTAG00000009265	4.32E-10	5.30E-10	NR5A2	8.15E-01
ENSBTAG00000011340	4.12E-10	5.02E-10	NSL1	8.21E-01
ENSBTAG000000000070	9.25E-10	1.13E-09	F13B	8.19E-01
ENSBTAG00000009307	1.96E-10	2.37E-10	RER1	8.27E-01
ENSBTAG00000018724	3.68E-10	4.42E-10	TMEM82	8.33E-01
ENSBTAG00000037661	3.71E-10	4.43E-10		8.39E-01
ENSBTAG00000010460	2.15E-10	2.54E-10	MARK1	8.45E-01
ENSBTAG00000003697	2.08E-10	2.43E-10		8.54E-01
ENSBTAG00000003295	4.80E-10	5.59E-10	GORAB	8.58E-01
ENSBTAG00000004738	2.88E-10	3.35E-10	LRRC47	8.60E-01
ENSBTAG00000019471	1.38E-10	1.60E-10	CNIH4	8.64E-01

ENSBTAG00000038000	2.79E-10	3.22E-10		8.67E-01
ENSBTAG00000013483	7.90E-10	9.14E-10	TAF1A	8.64E-01
ENSBTAG00000018223	6.67E-10	7.68E-10	CHI3L1	8.68E-01
ENSBTAG00000018142	2.50E-10	2.87E-10	DTL	8.71E-01
ENSBTAG00000010720	7.52E-11	8.61E-11	MIB2	8.73E-01
ENSBTAG00000024449	2.52E-10	2.88E-10	CENPF	8.76E-01
ENSBTAG00000016685	8.89E-11	1.01E-10	FMO4	8.80E-01
ENSBTAG00000001729	2.89E-10	3.27E-10	DUSP10	8.85E-01
ENSBTAG00000021298	1.73E-10	1.95E-10	METTL11B	8.88E-01
ENSBTAG00000002291	5.30E-10	5.95E-10	ZBTB41	8.90E-01
ENSBTAG00000011982	1.66E-10	1.86E-10	BATF3	8.94E-01
ENSBTAG00000008453	5.13E-10	5.72E-10	LBR	8.97E-01
ENSBTAG00000033056	5.89E-10	6.56E-10	PLD5	8.99E-01
ENSBTAG00000048234	4.27E-10	4.74E-10	TMEM9	9.00E-01
ENSBTAG00000047287	7.18E-10	7.91E-10	01-Mar	9.08E-01
ENSBTAG00000012605	4.71E-10	5.17E-10	GPR157	9.10E-01
ENSBTAG00000017721	2.72E-10	2.98E-10	METTL13	9.14E-01
ENSBTAG00000000837	3.29E-10	3.60E-10	PARP1	9.15E-01
ENSBTAG00000018548	3.35E-10	3.65E-10	INTS7	9.17E-01
ENSBTAG00000015642	1.68E-10	1.84E-10	SDF4	9.16E-01
ENSBTAG00000047766	6.34E-10	6.84E-10	GOS2	9.27E-01
ENSBTAG00000047491	4.59E-10	4.96E-10	CACNA1C	9.26E-01
ENSBTAG00000002690	6.61E-10	7.12E-10	BLZF1	9.29E-01
ENSBTAG00000009091	4.72E-10	5.08E-10	RNASEL	9.30E-01
ENSBTAG00000020989	2.87E-10	3.07E-10	SUSD4	9.33E-01
ENSBTAG00000035836	4.53E-10	4.85E-10	COLGALT2	9.34E-01
ENSBTAG00000021880	4.98E-10	5.33E-10	COQ8A	9.34E-01
ENSBTAG00000002408	3.56E-10	3.80E-10	FHAD1	9.36E-01
ENSBTAG00000020563	3.56E-10	3.78E-10	DDX59	9.43E-01
ENSBTAG00000033127	6.89E-10	7.30E-10	C1orf100	9.44E-01
ENSBTAG00000021874	7.95E-10	8.40E-10	KIF14	9.46E-01
ENSBTAG00000039196	7.28E-10	7.68E-10		9.48E-01
ENSBTAG00000006188	5.65E-10	5.96E-10	USH2A	9.48E-01
ENSBTAG00000024496	3.05E-10	3.21E-10		9.51E-01
ENSBTAG00000038264	1.69E-10	1.77E-10		9.55E-01
ENSBTAG00000024509	2.54E-10	2.66E-10	TMEM52	9.53E-01
ENSBTAG00000009386	1.95E-10	2.04E-10	C1orf167	9.54E-01
ENSBTAG00000002874	3.94E-10	4.14E-10	TMEM183A	9.51E-01
ENSBTAG00000023784	1.49E-10	1.56E-10	TMEM88B	9.53E-01
ENSBTAG00000013064	7.71E-10	8.07E-10	RGS18	9.56E-01
ENSBTAG00000008153	3.57E-10	3.72E-10	CAMSAP2	9.59E-01
ENSBTAG00000015885	4.24E-10	4.40E-10	PPFIA4	9.64E-01
ENSBTAG00000044171	5.33E-10	5.51E-10	CNIH3	9.67E-01
ENSBTAG00000012462	6.28E-10	6.50E-10	MAP1LC3C	9.67E-01
ENSBTAG00000015086	4.18E-10	4.33E-10	HSD11B1	9.66E-01
ENSBTAG00000013128	5.11E-10	5.27E-10	ACBD3	9.69E-01
ENSBTAG00000021166	4.06E-10	4.19E-10	FAM71A	9.70E-01
ENSBTAG00000008672	1.71E-10	1.76E-10	GABRD	9.71E-01
ENSBTAG00000010719	2.41E-10	2.48E-10	ANGPTL1	9.71E-01
ENSBTAG00000015197	9.08E-10	9.33E-10	KLHDC8A	9.73E-01
ENSBTAG00000018220	3.12E-10	3.20E-10	RGSL1	9.75E-01
ENSBTAG00000046007	1.43E-10	1.47E-10	CCDC27	9.73E-01
ENSBTAG00000009075	1.79E-10	1.83E-10	RNF207	9.77E-01
ENSBTAG00000019821	4.32E-10	4.42E-10	DHX9	9.79E-01
ENSBTAG00000040409	1.24E-09	1.27E-09		9.73E-01
ENSBTAG00000012715	4.91E-10	5.01E-10	KIF26B	9.79E-01
ENSBTAG00000013999	9.29E-11	9.46E-11	FAM20B	9.82E-01
ENSBTAG00000008545	3.93E-10	3.99E-10	ATF3	9.86E-01
ENSBTAG00000024555	3.32E-10	3.37E-10	EFCAB2	9.86E-01
ENSBTAG00000007110	1.39E-10	1.41E-10	RCOR3	9.86E-01
ENSBTAG00000010850	2.33E-10	2.35E-10	SERTAD4	9.93E-01
ENSBTAG00000012705	1.00E-10	1.01E-10	DEGS1	9.95E-01
ENSBTAG00000021200	3.12E-10	3.14E-10	KISS1	9.94E-01
ENSBTAG00000046630	1.04E-10	1.05E-10		9.91E-01
ENSBTAG00000019859	5.37E-11	5.41E-11	B3GALT2	9.93E-01
ENSBTAG00000034611	9.71E-10	9.77E-10		9.94E-01
ENSBTAG00000011650	2.74E-10	2.76E-10		9.93E-01
ENSBTAG00000018028	2.19E-10	2.20E-10	TTLL10	9.97E-01
ENSBTAG00000004570	2.65E-10	2.66E-10	PRRX1	9.94E-01
ENSBTAG00000002231	5.06E-10	5.07E-10	SLC9C2	9.98E-01

ENSBTAG00000006408	4.19E-10	4.18E-10	MROH9	1.00E+00
ENSBTAG00000012585	2.84E-10	2.83E-10	RAB3GAP2	1.00E+00
ENSBTAG00000009306	1.70E-10	1.69E-10	MORN1	1.00E+00
ENSBTAG00000009876	5.47E-10	5.44E-10		1.01E+00
ENSBTAG00000018718	1.33E-10	1.33E-10	DDI2	1.00E+00
ENSBTAG00000024482	4.64E-10	4.61E-10		1.01E+00
ENSBTAG00000021211	1.91E-10	1.90E-10	DPT	1.01E+00
ENSBTAG00000006403	2.25E-10	2.23E-10	C1orf115	1.01E+00
ENSBTAG00000040570	4.09E-10	4.05E-10		1.01E+00
ENSBTAG00000013885	5.30E-10	5.22E-10	ADSS	1.02E+00
ENSBTAG00000010169	1.36E-10	1.33E-10	SUCO	1.02E+00
ENSBTAG00000017714	6.58E-10	6.44E-10	C4BPB	1.02E+00
ENSBTAG00000020015	2.80E-10	2.74E-10	DFFB	1.02E+00
ENSBTAG00000016185	4.57E-10	4.46E-10	ENAH	1.03E+00
ENSBTAG00000021408	3.94E-10	3.83E-10	FMO1	1.03E+00
ENSBTAG00000014439	6.44E-10	6.21E-10	KMO	1.04E+00
ENSBTAG00000022777	3.32E-10	3.21E-10	CDC42BPA	1.04E+00
ENSBTAG00000031238	5.28E-10	5.09E-10	SHCBP1L	1.04E+00
ENSBTAG00000024497	2.02E-10	1.95E-10	CTRC	1.04E+00
ENSBTAG00000020698	3.46E-10	3.31E-10	MTHFR	1.05E+00
ENSBTAG00000020264	3.56E-10	3.39E-10	CCDC181	1.05E+00
ENSBTAG00000038171	7.77E-10	7.36E-10		1.06E+00
ENSBTAG00000038261	3.90E-10	3.69E-10		1.06E+00
ENSBTAG00000033136	1.98E-10	1.87E-10	COX20	1.06E+00
ENSBTAG00000013535	6.30E-11	5.95E-11		1.06E+00
ENSBTAG00000012349	4.08E-10	3.85E-10	LAX1	1.06E+00
ENSBTAG00000020597	3.27E-10	3.08E-10	FMO3	1.06E+00
ENSBTAG00000033267	9.65E-11	9.08E-11	LIN9	1.06E+00
ENSBTAG00000020014	3.84E-10	3.61E-10	CEP104	1.06E+00
ENSBTAG00000002167	6.44E-10	6.04E-10	NPHS2	1.07E+00
ENSBTAG00000024561	2.70E-10	2.52E-10	H3F3B	1.07E+00
ENSBTAG00000004414	2.73E-10	2.54E-10	SLC30A10	1.07E+00
ENSBTAG00000006718	1.71E-10	1.59E-10	NVL	1.07E+00
ENSBTAG00000002846	4.16E-10	3.86E-10	TRAF3IP3	1.08E+00
ENSBTAG00000020755	6.25E-10	5.73E-10	SELP	1.09E+00
ENSBTAG00000024485	3.67E-10	3.37E-10	KLHL20	1.09E+00
ENSBTAG00000015373	1.25E-10	1.15E-10	AADACL3	1.09E+00
ENSBTAG00000002849	3.13E-10	2.86E-10	IRF6	1.10E+00
ENSBTAG00000033180	3.04E-10	2.77E-10	SMYD3	1.10E+00
ENSBTAG00000010737	1.36E-10	1.25E-10		1.09E+00
ENSBTAG00000047972	5.52E-10	5.04E-10	C1orf106	1.10E+00
ENSBTAG00000012020	3.15E-10	2.86E-10	TRAF5	1.10E+00
ENSBTAG00000001574	6.27E-10	5.68E-10	GPATCH2	1.10E+00
ENSBTAG00000019818	1.46E-10	1.31E-10	CASZ1	1.11E+00
ENSBTAG00000013949	2.18E-10	1.97E-10	AHCTF1	1.10E+00
ENSBTAG00000017722	7.07E-10	6.38E-10	F5	1.11E+00
ENSBTAG00000021210	2.31E-10	2.07E-10	HES2	1.11E+00
ENSBTAG00000005359	2.59E-10	2.32E-10	TGFB2	1.12E+00
ENSBTAG00000008420	4.52E-10	4.05E-10	BRINP3	1.12E+00
ENSBTAG00000008449	2.92E-10	2.59E-10		1.13E+00
ENSBTAG00000013812	1.21E-10	1.07E-10	TROVE2	1.13E+00
ENSBTAG00000013499	2.80E-10	2.48E-10	LHX9	1.13E+00
ENSBTAG00000000072	2.86E-10	2.53E-10	TFB2M	1.13E+00
ENSBTAG00000017301	2.97E-10	2.62E-10	AVPR1B	1.13E+00
ENSBTAG00000016542	6.63E-10	5.85E-10	LAMB3	1.13E+00
ENSBTAG00000013538	1.52E-10	1.33E-10	PEX14	1.14E+00
ENSBTAG00000005397	2.92E-10	2.55E-10	CD46	1.14E+00
ENSBTAG00000020458	3.26E-10	2.85E-10	STX6	1.14E+00
ENSBTAG00000039995	1.45E-09	1.27E-09		1.14E+00
ENSBTAG00000016369	3.13E-10	2.73E-10	TSEN15	1.15E+00
ENSBTAG00000010177	4.72E-10	4.11E-10	GOLT1A	1.15E+00
ENSBTAG00000004966	3.07E-10	2.67E-10	KIF1B	1.15E+00
ENSBTAG00000017788	5.05E-10	4.37E-10	AKT3	1.16E+00
ENSBTAG00000006186	3.90E-10	3.37E-10	KCTD3	1.16E+00
ENSBTAG00000012582	6.32E-10	5.45E-10	IARS2	1.16E+00
ENSBTAG00000017775	4.97E-10	4.28E-10	SDCCAG8	1.16E+00
ENSBTAG00000015517	1.45E-09	1.24E-09		1.17E+00
ENSBTAG00000020227	6.89E-10	5.83E-10		1.18E+00
ENSBTAG00000002476	1.50E-10	1.27E-10	DNAJC16	1.18E+00
ENSBTAG00000024647	1.25E-09	1.05E-09		1.19E+00

ENSBTAG0000009838	1.54E-10	1.30E-10		1.19E+00
ENSBTAG00000013700	1.87E-10	1.57E-10	BECN2	1.19E+00
ENSBTAG00000045702	8.35E-11	7.01E-11	ZBED6	1.19E+00
ENSBTAG00000015972	1.07E-10	8.97E-11	GLRX2	1.19E+00
ENSBTAG00000009943	6.89E-11	5.79E-11		1.19E+00
ENSBTAG00000021432	2.73E-10	2.29E-10	TEDDM1	1.19E+00
ENSBTAG00000024510	6.89E-11	5.79E-11		1.19E+00
ENSBTAG00000016541	1.98E-10	1.66E-10	CAMK1G	1.19E+00
ENSBTAG00000002478	5.57E-11	4.68E-11	AGMAT	1.19E+00
ENSBTAG00000004305	2.65E-10	2.22E-10	RGS16	1.19E+00
ENSBTAG00000046243	1.45E-10	1.22E-10	ZNF648	1.19E+00
ENSBTAG00000006609	1.90E-10	1.59E-10	ERRFI1	1.19E+00
ENSBTAG00000002590	2.92E-10	2.44E-10	EXOSC10	1.20E+00
ENSBTAG00000000511	3.91E-10	3.25E-10	CNST	1.20E+00
ENSBTAG00000001382	3.20E-10	2.65E-10	SLC26A9	1.21E+00
ENSBTAG00000008944	6.45E-10	5.35E-10	CRB1	1.21E+00
ENSBTAG00000021202	3.19E-10	2.64E-10	ACOT7	1.21E+00
ENSBTAG00000024560	4.62E-10	3.81E-10	STUM	1.21E+00
ENSBTAG00000013527	4.02E-10	3.30E-10	PGD	1.22E+00
ENSBTAG00000011461	2.72E-10	2.23E-10	ADORA1	1.22E+00
ENSBTAG00000007595	3.84E-10	3.15E-10	BROX	1.22E+00
ENSBTAG000000008710	5.77E-10	4.73E-10	KCNH1	1.22E+00
ENSBTAG00000014793	3.14E-10	2.56E-10	C1orf112	1.23E+00
ENSBTAG00000020266	3.64E-10	2.96E-10	SLC19A2	1.23E+00
ENSBTAG000000003701	1.77E-10	1.43E-10	VASH2	1.24E+00
ENSBTAG00000004361	2.09E-10	1.68E-10	ZBTB37	1.24E+00
ENSBTAG00000015974	2.86E-10	2.31E-10	FLVCR1	1.24E+00
ENSBTAG00000021672	2.20E-10	1.76E-10	RGS1	1.25E+00
ENSBTAG00000026068	1.40E-09	1.12E-09		1.25E+00
ENSBTAG00000016703	1.59E-10	1.27E-10	CDC73	1.25E+00
ENSBTAG00000001642	2.96E-10	2.36E-10	TTC34	1.25E+00
ENSBTAG00000014560	2.74E-10	2.18E-10	HLX	1.26E+00
ENSBTAG00000019538	4.09E-10	3.24E-10	FBXO28	1.26E+00
ENSBTAG00000019798	5.56E-10	4.41E-10	PIGR	1.26E+00
ENSBTAG00000014794	4.68E-10	3.70E-10	SCYL3	1.26E+00
ENSBTAG00000026481	7.38E-10	5.83E-10	RGS8	1.27E+00
ENSBTAG00000017561	7.32E-10	5.78E-10	HHIPL2	1.27E+00
ENSBTAG00000006685	1.66E-10	1.31E-10	IL10	1.27E+00
ENSBTAG00000009384	2.70E-10	2.12E-10	AGTRAP	1.27E+00
ENSBTAG000000008513	1.87E-10	1.47E-10	C1orf186	1.27E+00
ENSBTAG00000017352	2.23E-10	1.74E-10		1.28E+00
ENSBTAG00000024493	2.60E-10	2.04E-10	DHRS3	1.27E+00
ENSBTAG00000001821	1.15E-10	9.03E-11	PRRC2C	1.28E+00
ENSBTAG00000002407	3.45E-10	2.65E-10	TDRD5	1.30E+00
ENSBTAG00000046177	3.39E-10	2.58E-10	IGFN1	1.31E+00
ENSBTAG00000013620	1.49E-10	1.13E-10	UCHL5	1.31E+00
ENSBTAG00000013166	6.33E-10	4.80E-10	SMYD2	1.32E+00
ENSBTAG000000008125	1.76E-10	1.33E-10	KCNAB2	1.32E+00
ENSBTAG00000002848	1.82E-10	1.37E-10	C1orf74	1.33E+00
ENSBTAG00000038189	1.89E-10	1.43E-10	GPR52	1.32E+00
ENSBTAG00000013726	5.85E-10	4.39E-10	RNPEP	1.33E+00
ENSBTAG00000006255	3.26E-10	2.44E-10	MDM4	1.34E+00
ENSBTAG00000020518	2.64E-10	1.97E-10	PARK7	1.34E+00
ENSBTAG00000031749	1.42E-10	1.05E-10		1.36E+00
ENSBTAG00000038222	1.58E-09	1.16E-09		1.36E+00
ENSBTAG00000005200	5.37E-10	3.94E-10	WDR64	1.36E+00
ENSBTAG00000005231	1.62E-10	1.19E-10		1.36E+00
ENSBTAG00000002688	1.44E-10	1.05E-10	ATP1B1	1.37E+00
ENSBTAG00000047274	2.35E-10	1.71E-10	KIF21B	1.38E+00
ENSBTAG00000004407	4.33E-10	3.14E-10	KCNK2	1.38E+00
ENSBTAG00000040477	1.81E-10	1.32E-10	CHD5	1.37E+00
ENSBTAG00000011217	1.58E-10	1.14E-10	DNAJC11	1.39E+00
ENSBTAG00000005410	4.40E-10	3.18E-10	RGS7	1.38E+00
ENSBTAG00000018824	1.29E-10	9.23E-11	MIA3	1.39E+00
ENSBTAG00000006704	2.77E-10	1.99E-10	CCDC185	1.39E+00
ENSBTAG00000021671	2.46E-10	1.77E-10	METTL18	1.39E+00
ENSBTAG00000001478	4.96E-10	3.55E-10	DES12	1.40E+00
ENSBTAG00000002575	1.26E-10	9.00E-11		1.40E+00
ENSBTAG00000003702	1.04E-10	7.43E-11	ANGEL2	1.40E+00
ENSBTAG00000008082	2.18E-10	1.55E-10	CEP350	1.41E+00



ENSBTAG00000007307	2.53E-10	1.79E-10	SELE	1.41E+00
ENSBTAG00000016943	3.02E-10	2.13E-10	NEK7	1.42E+00
ENSBTAG00000018774	2.91E-10	2.05E-10		1.42E+00
ENSBTAG00000018965	3.09E-10	2.17E-10	PRDM16	1.42E+00
ENSBTAG00000013631	3.34E-10	2.35E-10	GLUL	1.42E+00
ENSBTAG00000007566	2.20E-10	1.55E-10	CEP170	1.42E+00
ENSBTAG00000012158	1.62E-10	1.13E-10	C1orf158	1.43E+00
ENSBTAG00000040419	2.47E-10	1.73E-10		1.43E+00
ENSBTAG00000024520	1.24E-10	8.65E-11	C1orf174	1.43E+00
ENSBTAG00000001173	3.28E-10	2.28E-10	PLXNA2	1.44E+00
ENSBTAG00000013074	4.38E-10	3.04E-10	PPP1R15B	1.44E+00
ENSBTAG00000014249	3.40E-10	2.35E-10	IVNS1ABP	1.45E+00
ENSBTAG00000000793	4.09E-10	2.82E-10	LAMC2	1.45E+00
ENSBTAG00000015026	1.40E-10	9.44E-11	ABL2	1.48E+00
ENSBTAG00000010427	6.70E-10	4.49E-10	RASSF5	1.49E+00
ENSBTAG00000014726	1.29E-10	8.66E-11	VAMP3	1.49E+00
ENSBTAG00000015235	5.26E-10	3.52E-10	HMCN1	1.49E+00
ENSBTAG00000019796	6.38E-10	4.24E-10	FCMR	1.50E+00
ENSBTAG00000014006	1.11E-10	7.38E-11	TOR3A	1.51E+00
ENSBTAG00000011214	2.77E-10	1.84E-10	THAP3	1.51E+00
ENSBTAG00000002894	8.81E-11	5.81E-11	TNFSF4	1.52E+00
ENSBTAG00000018729	1.12E-10	7.33E-11	SPEN	1.53E+00
ENSBTAG00000010718	4.38E-10	2.86E-10	RALGPS2	1.53E+00
ENSBTAG000000039728	1.06E-10	6.90E-11		1.54E+00
ENSBTAG00000027809	2.03E-10	1.29E-10		1.57E+00
ENSBTAG00000014119	2.80E-10	1.78E-10	PRKCZ	1.57E+00
ENSBTAG00000000758	2.91E-10	1.85E-10	TMEM206	1.57E+00
ENSBTAG00000006898	1.58E-10	1.00E-10	EPRS	1.58E+00
ENSBTAG000000009727	2.14E-10	1.35E-10	ADIPOR1	1.59E+00
ENSBTAG00000009856	5.27E-11	3.32E-11	ACAP3	1.59E+00
ENSBTAG00000001401	6.01E-11	3.78E-11	SLC45A1	1.59E+00
ENSBTAG000000039944	3.51E-10	2.21E-10		1.59E+00
ENSBTAG000000025113	5.22E-10	3.28E-10		1.59E+00
ENSBTAG00000047059	4.66E-10	2.93E-10	TIMM17A	1.59E+00
ENSBTAG00000015384	2.37E-10	1.49E-10	PHF13	1.59E+00
ENSBTAG00000034323	4.30E-10	2.70E-10		1.59E+00
ENSBTAG00000008756	3.63E-10	2.28E-10	ELF3	1.59E+00
ENSBTAG00000031385	2.34E-10	1.46E-10	RFWD2	1.60E+00
ENSBTAG00000001788	3.07E-10	1.91E-10	PDPN	1.61E+00
ENSBTAG000000003313	2.13E-10	1.31E-10	TNFRSF9	1.63E+00
ENSBTAG00000012787	1.96E-10	1.20E-10	SDE2	1.63E+00
ENSBTAG00000024633	4.15E-10	2.53E-10	PIK3C2B	1.64E+00
ENSBTAG00000009726	2.78E-10	1.68E-10	KLHL12	1.66E+00
ENSBTAG00000018509	2.41E-10	1.45E-10	ETNK2	1.66E+00
ENSBTAG00000002974	5.17E-10	3.11E-10	FMO2	1.66E+00
ENSBTAG00000006984	1.93E-10	1.16E-10	CD55	1.67E+00
ENSBTAG00000011285	3.47E-10	2.08E-10	TRMT1L	1.67E+00
ENSBTAG000000037494	5.88E-10	3.52E-10	RGS21	1.67E+00
ENSBTAG00000004641	1.87E-10	1.12E-10	PLEKHA6	1.67E+00
ENSBTAG00000013294	3.28E-10	1.96E-10	DYRK3	1.68E+00
ENSBTAG00000001181	3.42E-10	2.04E-10	RPS6KC1	1.67E+00
ENSBTAG00000046350	3.12E-10	1.85E-10	PKP1	1.69E+00
ENSBTAG00000035230	2.90E-10	1.72E-10	TOR1AIP2	1.68E+00
ENSBTAG00000013463	2.31E-10	1.35E-10		1.71E+00
ENSBTAG00000012433	5.87E-10	3.40E-10		1.73E+00
ENSBTAG00000021333	2.00E-10	1.15E-10	REN	1.74E+00
ENSBTAG00000020839	2.93E-10	1.68E-10	MEGF6	1.75E+00
ENSBTAG00000011515	3.00E-10	1.72E-10	SELL	1.74E+00
ENSBTAG00000044066	5.20E-10	2.96E-10	C1orf101	1.76E+00
ENSBTAG00000046723	4.44E-10	2.51E-10		1.77E+00
ENSBTAG00000016729	5.41E-10	3.02E-10	KCNT2	1.79E+00
ENSBTAG00000024443	1.41E-10	7.83E-11	TATDN3	1.80E+00
ENSBTAG00000023177	1.12E-09	6.19E-10		1.82E+00
ENSBTAG00000047621	7.65E-10	4.22E-10		1.81E+00
ENSBTAG00000002689	3.78E-10	2.07E-10	NME7	1.83E+00
ENSBTAG00000006519	1.33E-10	7.18E-11	TNFRSF25	1.85E+00
ENSBTAG00000018272	1.70E-10	9.23E-11	RERE	1.85E+00
ENSBTAG00000014548	3.81E-10	2.06E-10	FAM129A	1.85E+00
ENSBTAG00000008004	4.81E-10	2.59E-10	NCF2	1.86E+00
ENSBTAG00000006574	1.82E-10	9.80E-11	ARL8A	1.85E+00

ENSBTAG00000012808	4.44E-10	2.38E-10	MASP2	1.87E+00
ENSBTAG00000013298	4.07E-10	2.18E-10	PLA2G4A	1.87E+00
ENSBTAG00000012774	7.97E-10	4.25E-10	RAB7B	1.88E+00
ENSBTAG00000004362	2.01E-10	1.07E-10	SERPINC1	1.88E+00
ENSBTAG00000003600	4.90E-10	2.59E-10	CAPN8	1.89E+00
ENSBTAG00000014912	3.92E-10	2.05E-10	FMOD	1.91E+00
ENSBTAG000000035226	5.09E-10	2.62E-10	TOR1AIP1	1.94E+00
ENSBTAG000000003992	1.43E-10	7.32E-11	LHX4	1.95E+00
ENSBTAG00000011785	1.57E-10	8.03E-11	WDR26	1.95E+00
ENSBTAG000000006175	2.37E-10	1.21E-10	KDM5B	1.96E+00
ENSBTAG00000016728	1.72E-10	8.72E-11	PLEKHG5	1.97E+00
ENSBTAG00000003016	2.73E-10	1.37E-10	PTPN7	1.99E+00
ENSBTAG000000004874	9.16E-11	4.62E-11	AURKAIP1	1.98E+00
ENSBTAG000000024492	7.71E-11	3.88E-11		1.98E+00
ENSBTAG00000012765	4.98E-10	2.50E-10		1.99E+00
ENSBTAG00000015600	2.69E-10	1.35E-10		1.99E+00
ENSBTAG000000004492	4.58E-10	2.30E-10	SWT1	1.99E+00
ENSBTAG00000011932	7.49E-10	3.74E-10	PRG4	2.00E+00
ENSBTAG00000015534	3.04E-10	1.51E-10	LYPLAL1	2.01E+00
ENSBTAG00000006515	1.88E-10	9.29E-11	ESPN	2.02E+00
ENSBTAG00000013764	3.27E-10	1.60E-10	OPTC	2.04E+00
ENSBTAG000000020837	2.97E-10	1.44E-10	ARHGEF16	2.07E+00
ENSBTAG00000014511	1.17E-10	5.67E-11	C1orf159	2.06E+00
ENSBTAG000000039937	2.96E-10	1.43E-10	TNFRSF8	2.07E+00
ENSBTAG00000011706	2.87E-10	1.36E-10	TNR	2.11E+00
ENSBTAG000000045582	2.09E-10	9.89E-11	ARPC5	2.12E+00
ENSBTAG00000002855	2.30E-10	1.09E-10		2.11E+00
ENSBTAG00000002361	2.99E-10	1.41E-10	TMCC2	2.12E+00
ENSBTAG000000002164	4.20E-10	1.97E-10	AXDND1	2.13E+00
ENSBTAG000000006260	9.02E-10	4.22E-10	KIAA1614	2.14E+00
ENSBTAG000000006925	3.19E-10	1.49E-10	CENPL	2.14E+00
ENSBTAG000000004059	2.70E-10	1.25E-10	SOAT1	2.16E+00
ENSBTAG00000015650	2.65E-10	1.23E-10	TNN	2.15E+00
ENSBTAG000000024928	1.69E-10	7.70E-11	TNFRSF1B	2.19E+00
ENSBTAG00000010978	1.38E-10	6.28E-11	PROX1	2.19E+00
ENSBTAG00000018730	1.03E-10	4.67E-11	ZBTB17	2.20E+00
ENSBTAG000000000754	2.13E-10	9.54E-11	PPP2R5A	2.23E+00
ENSBTAG000000009048	2.45E-10	1.08E-10	EFHD2	2.26E+00
ENSBTAG00000014423	2.45E-10	1.07E-10		2.29E+00
ENSBTAG0000000008739	1.15E-10	5.00E-11	SAMD11	2.29E+00
ENSBTAG000000004358	4.74E-10	2.05E-10	DARS2	2.31E+00
ENSBTAG00000017727	1.38E-10	5.94E-11	KIFAP3	2.32E+00
ENSBTAG00000014602	1.82E-10	7.81E-11	CAMTA1	2.33E+00
ENSBTAG000000001361	5.54E-10	2.38E-10	NMNAT1	2.33E+00
ENSBTAG000000021688	3.67E-10	1.56E-10	FH	2.35E+00
ENSBTAG00000016735	1.82E-10	7.64E-11	ZBTB48	2.38E+00
ENSBTAG000000009309	2.22E-10	9.29E-11	PEX10	2.38E+00
ENSBTAG000000004873	9.06E-11	3.80E-11	CCNL2	2.38E+00
ENSBTAG00000016528	1.04E-10	4.35E-11	NOC2L	2.38E+00
ENSBTAG00000013275	8.83E-11	3.71E-11	MAD2L2	2.38E+00
ENSBTAG000000006709	3.38E-10	1.41E-10	NPPA	2.39E+00
ENSBTAG000000047412	1.97E-10	8.28E-11	TNFSF18	2.38E+00
ENSBTAG000000005304	2.54E-10	1.06E-10	SRM	2.39E+00
ENSBTAG000000005812	3.82E-10	1.60E-10	TP73	2.39E+00
ENSBTAG00000013071	1.36E-10	5.72E-11	GPR153	2.38E+00
ENSBTAG00000017929	3.48E-10	1.46E-10	ACTRT2	2.38E+00
ENSBTAG000000046091	3.87E-10	1.62E-10		2.39E+00
ENSBTAG000000002483	1.58E-10	6.61E-11	HES5	2.38E+00
ENSBTAG000000002472	5.64E-10	2.35E-10	CASP9	2.40E+00
ENSBTAG000000020887	5.81E-10	2.39E-10	CACNA1E	2.43E+00
ENSBTAG000000038079	4.11E-10	1.68E-10		2.44E+00
ENSBTAG000000038716	2.09E-10	8.52E-11	SKI	2.46E+00
ENSBTAG00000015537	4.88E-10	1.97E-10	RASAL2	2.47E+00
ENSBTAG00000016277	6.03E-10	2.42E-10	02-Mar	2.49E+00
ENSBTAG000000007620	1.51E-10	6.01E-11	CPSF3L	2.51E+00
ENSBTAG000000009924	2.73E-10	1.09E-10	MR1	2.50E+00
ENSBTAG000000020591	1.94E-10	7.70E-11	VAMP4	2.51E+00
ENSBTAG000000047256	4.20E-10	1.64E-10		2.56E+00
ENSBTAG000000008350	1.81E-10	7.08E-11	KLHL21	2.56E+00
ENSBTAG000000024539	1.61E-10	6.18E-11	SPSB1	2.61E+00

ENSBTAG00000015945	3.81E-10	1.44E-10	TMEM81	2.65E+00
ENSBTAG00000002219	8.50E-11	3.15E-11		2.69E+00
ENSBTAG00000016080	2.53E-10	9.34E-11	VPS13D	2.71E+00
ENSBTAG00000010016	2.71E-10	9.96E-11	SPATA45	2.72E+00
ENSBTAG00000009396	3.11E-10	1.14E-10	EXO1	2.72E+00
ENSBTAG00000015859	1.64E-10	6.03E-11	WRAP73	2.72E+00
ENSBTAG00000008003	2.75E-10	9.95E-11	SMG7	2.76E+00
ENSBTAG00000010696	1.26E-10	4.53E-11	DVL1	2.78E+00
ENSBTAG00000021294	1.10E-10	3.94E-11	VWA1	2.78E+00
ENSBTAG00000011966	3.30E-10	1.13E-10	LAMC1	2.92E+00
ENSBTAG00000005137	1.31E-10	4.44E-11	LPGAT1	2.94E+00
ENSBTAG00000008734	5.03E-10	1.69E-10	PM20D1	2.98E+00
ENSBTAG00000004246	3.68E-10	1.23E-10	H6PD	2.99E+00
ENSBTAG00000024663	4.36E-10	1.45E-10	LAD1	3.00E+00
ENSBTAG00000016733	1.01E-10	3.36E-11	NOL9	3.01E+00
ENSBTAG00000010401	2.44E-10	8.06E-11	UBE4B	3.03E+00
ENSBTAG00000002479	1.42E-10	4.64E-11	PANK4	3.06E+00
ENSBTAG00000020700	1.65E-10	5.36E-11	CLCN6	3.08E+00
ENSBTAG00000011465	5.45E-10	1.74E-10	MYBPH	3.13E+00
ENSBTAG00000001483	5.02E-10	1.58E-10	SRGAP2	3.18E+00
ENSBTAG00000009111	2.17E-10	6.82E-11		3.17E+00
ENSBTAG00000014707	3.16E-10	9.93E-11	ISG15	3.18E+00
ENSBTAG00000015857	1.17E-10	3.69E-11	TPRG1L	3.17E+00
ENSBTAG00000015946	4.62E-10	1.45E-10	RBBP5	3.19E+00
ENSBTAG00000009169	2.83E-10	8.73E-11	XPR1	3.24E+00
ENSBTAG00000020342	2.61E-10	8.02E-11	MYOC	3.25E+00
ENSBTAG00000020552	2.94E-10	9.02E-11	PRDM2	3.26E+00
ENSBTAG00000017834	1.69E-10	5.14E-11	PRELP	3.29E+00
ENSBTAG00000047648	4.67E-10	1.41E-10	SYT2	3.31E+00
ENSBTAG00000015325	1.87E-10	5.57E-11	MTOR	3.36E+00
ENSBTAG00000015882	1.71E-10	5.05E-11	UBE2J2	3.37E+00
ENSBTAG00000004953	3.51E-10	1.03E-10	ELK4	3.41E+00
ENSBTAG00000015606	4.31E-10	1.26E-10	KAZN	3.42E+00
ENSBTAG00000010408	6.98E-10	2.02E-10	IKBKE	3.45E+00
ENSBTAG00000037813	1.17E-10	3.34E-11		3.49E+00
ENSBTAG00000000795	3.82E-10	1.09E-10	NMNAT2	3.50E+00
ENSBTAG00000007593	3.15E-10	8.99E-11	AIDA	3.50E+00
ENSBTAG00000038496	3.47E-10	9.84E-11	CR2	3.52E+00
ENSBTAG00000047727	2.78E-10	7.77E-11		3.57E+00
ENSBTAG000000008132	4.31E-10	1.20E-10	SOX13	3.59E+00
ENSBTAG00000013560	5.74E-10	1.60E-10	RABIF	3.59E+00
ENSBTAG00000024453	7.73E-10	2.15E-10	RD3	3.59E+00
ENSBTAG00000004941	4.06E-10	1.10E-10	TEX35	3.69E+00
ENSBTAG00000016734	1.46E-10	3.93E-11	TAS1R1	3.70E+00
ENSBTAG00000019388	2.04E-10	5.50E-11	KIAA2013	3.70E+00
ENSBTAG00000046060	1.37E-09	3.66E-10		3.74E+00
ENSBTAG00000032808	1.75E-10	4.64E-11	FASLG	3.77E+00
ENSBTAG000000012673	3.29E-10	8.70E-11	CDK18	3.78E+00
ENSBTAG00000016618	4.39E-10	1.14E-10	DSTYK	3.85E+00
ENSBTAG00000010432	5.57E-10	1.45E-10	EIF2D	3.84E+00
ENSBTAG00000012953	4.63E-10	1.20E-10	ASTN1	3.85E+00
ENSBTAG00000013849	5.02E-10	1.29E-10	RGS13	3.89E+00
ENSBTAG00000000215	1.64E-10	4.14E-11	GNB1	3.94E+00
ENSBTAG00000047073	1.32E-10	3.32E-11		3.97E+00
ENSBTAG00000019931	1.63E-10	4.10E-11		3.96E+00
ENSBTAG00000004872	1.35E-10	3.39E-11	MRPL20	3.97E+00
ENSBTAG00000032617	1.01E-10	2.54E-11	FBXO44	3.97E+00
ENSBTAG00000014862	5.67E-10	1.42E-10		3.99E+00
ENSBTAG00000017883	1.03E-09	2.54E-10	LRRC38	4.05E+00
ENSBTAG00000010562	2.70E-10	6.61E-11	CD34	4.08E+00
ENSBTAG00000015533	1.99E-10	4.83E-11	DISP3	4.10E+00
ENSBTAG00000047231	1.78E-10	4.27E-11	TNNI1	4.17E+00
ENSBTAG00000000023	2.16E-10	5.19E-11	RNF2	4.16E+00
ENSBTAG00000038107	8.52E-10	2.03E-10	MAPKAPK2	4.19E+00
ENSBTAG00000046172	2.04E-10	4.75E-11		4.29E+00
ENSBTAG00000001109	4.36E-10	1.01E-10		4.31E+00
ENSBTAG00000014014	9.13E-11	2.09E-11	UBIAD1	4.35E+00
ENSBTAG00000000212	1.52E-10	3.38E-11	NADK	4.49E+00
ENSBTAG00000007693	3.36E-10	7.35E-11	SLC45A3	4.57E+00
ENSBTAG00000002464	2.02E-10	4.31E-11	PLCH2	4.69E+00

ENSBTAG00000011943	7.49E-10	1.59E-10	TPR	4.71E+00
ENSBTAG00000007623	1.27E-10	2.67E-11	CPTP	4.76E+00
ENSBTAG00000014537	1.36E-10	2.85E-11	PLEKHN1	4.76E+00
ENSBTAG00000014992	2.51E-10	5.27E-11	GPR37L1	4.76E+00
ENSBTAG00000012247	1.13E-10	2.37E-11	MXRA8	4.75E+00
ENSBTAG000000031507	5.37E-10	1.12E-10		4.79E+00
ENSBTAG00000014645	5.12E-10	1.05E-10	CNTN2	4.87E+00
ENSBTAG00000045895	6.78E-10	1.29E-10	NFASC	5.25E+00
ENSBTAG00000019556	3.53E-10	6.49E-11	MIIIP	5.43E+00
ENSBTAG00000008126	7.38E-10	1.35E-10	NPHP4	5.46E+00
ENSBTAG00000011772	4.38E-10	7.94E-11	PPP1R12B	5.52E+00
ENSBTAG00000011946	8.58E-10	1.55E-10	C1orf27	5.53E+00
ENSBTAG00000014136	1.24E-10	2.23E-11		5.53E+00
ENSBTAG00000045789	2.09E-10	3.76E-11		5.55E+00
ENSBTAG00000015711	5.01E-10	8.98E-11	BTG2	5.57E+00
ENSBTAG0000004855	2.40E-10	4.16E-11	PRDX6	5.76E+00
ENSBTAG00000014191	3.81E-10	6.48E-11	QSOX1	5.87E+00
ENSBTAG00000004952	5.84E-10	9.82E-11	MFSD4A	5.94E+00
ENSBTAG00000005379	2.90E-10	4.86E-11	SLC41A1	5.95E+00
ENSBTAG00000021553	4.53E-10	7.50E-11	PTPN14	6.03E+00
ENSBTAG00000001210	6.86E-10	1.11E-10		6.17E+00
ENSBTAG00000009938	2.08E-10	3.26E-11		6.35E+00
ENSBTAG00000015340	2.16E-10	3.39E-11	ANGPTL7	6.34E+00
ENSBTAG00000013191	2.13E-10	3.25E-11	AGRN	6.53E+00
ENSBTAG00000000854	3.74E-10	5.49E-11	SEC16B	6.79E+00
ENSBTAG00000020886	6.39E-10	9.19E-11	DIEXF	6.94E+00
ENSBTAG00000004452	2.81E-10	3.70E-11	IPO9	7.58E+00
ENSBTAG00000019890	8.43E-10	1.08E-10	ATP6V1G3	7.80E+00
ENSBTAG00000009349	5.16E-10	6.53E-11	MMEL1	7.89E+00
ENSBTAG00000044117	2.52E-10	3.16E-11	ANKRD45	7.94E+00
ENSBTAG00000015574	3.19E-10	4.01E-11	RBP7	7.94E+00
ENSBTAG00000008001	4.20E-10	5.24E-11	NUCKS1	8.01E+00
ENSBTAG00000004789	3.35E-10	3.93E-11	LGR6	8.51E+00
ENSBTAG00000047285	3.90E-10	4.29E-11		9.07E+00
ENSBTAG00000001107	1.75E-10	1.92E-11	CACYBP	9.09E+00
ENSBTAG00000048267	3.08E-10	2.97E-11		1.03E+01
ENSBTAG00000021576	3.51E-10	3.39E-11	LMOD1	1.03E+01
ENSBTAG00000016057	3.12E-10	2.98E-11	CSRP1	1.05E+01
ENSBTAG00000018303	2.86E-10	2.61E-11	PAPPA2	1.09E+01
ENSBTAG00000003804	8.47E-10	7.67E-11	SCCPDH	1.10E+01
ENSBTAG00000014777	1.40E-10	1.17E-11	FBXO6	1.18E+01
ENSBTAG00000005314	4.69E-10	3.74E-11	MFN2	1.25E+01
ENSBTAG00000009515	6.00E-10	4.57E-11	CA6	1.31E+01
ENSBTAG00000012778	4.66E-10	3.36E-11	CAPN2	1.38E+01
ENSBTAG00000002052	4.42E-10	3.05E-11	PLOD1	1.45E+01
ENSBTAG00000021919	3.30E-10	2.04E-11	NAV1	1.61E+01
ENSBTAG00000003180	3.13E-10	1.90E-11	TMEM201	1.64E+01
ENSBTAG000000034632	9.38E-10	4.47E-11	LEMD1	2.09E+01
ENSBTAG00000046502	5.10E-10	2.42E-11	ACBD6	2.10E+01
ENSBTAG00000003232	6.10E-10	2.89E-11	RAB29	2.10E+01
ENSBTAG00000013715	7.28E-10	3.07E-11	BRINP2	2.36E+01
ENSBTAG00000024791	8.54E-10	3.56E-11		2.39E+01
ENSBTAG00000011823	2.72E-10	1.08E-11	CLSTN1	2.49E+01
ENSBTAG00000018984	2.09E-10	7.52E-12	PIK3CD	2.75E+01
ENSBTAG00000021492	3.65E-10	1.31E-11	FAM163A	2.77E+01
ENSBTAG00000012781	5.24E-10	1.80E-11	TP53BP2	2.90E+01
ENSBTAG00000019264	3.11E-10	7.48E-12	EDEM3	4.10E+01
ENSBTAG00000013531	3.31E-10	7.04E-12	CENPS	4.63E+01
ENSBTAG00000014359	5.09E-10	1.08E-11	DRAXIN	4.68E+01
ENSBTAG00000023144	6.92E-10	8.82E-12	PTPRC	7.76E+01
ENSBTAG00000047233	3.46E-10	0		3.46E+03
ENSBTAG00000000385	8.00E-11	0	ZBTB18	8.01E+02
ENSBTAG000000021739	2.36E-10	0	NPPB	2.36E+03
ENSBTAG00000007223	3.13E-10	0	FBXO2	3.13E+03
ENSBTAG00000046494	1.02E-10	0	CORT	1.03E+03
ENSBTAG00000005933	4.05E-10	0	CTNNBIP1	4.05E+03
ENSBTAG00000003177	3.21E-10	0	SLC25A33	3.21E+03
ENSBTAG00000013411	2.61E-10	0	ENO1	2.61E+03
ENSBTAG00000030805	1.94E-10	0	SHISA4	1.94E+03
ENSBTAG00000001727	1.58E-10	0	FAM213B	1.58E+03

ENSBTAG00000024508	0	0	CALML6	1.00E+00
ENSBTAG00000010732	3.51E-11	0	MMP23B	3.52E+02
ENSBTAG00000047755	0	0	FNDC10	1.00E+00
ENSBTAG00000046073	9.14E-11	0	TMEM240	9.15E+02
ENSBTAG00000039055	8.37E-11	0	ANKRD65	8.38E+02
ENSBTAG00000031631	6.37E-11	0	FAM132A	6.38E+02
ENSBTAG00000007619	2.89E-11	0	PUSL1	2.90E+02
ENSBTAG00000017674	1.47E-10	0	SCNN1D	1.47E+03
ENSBTAG00000014540	2.78E-10	0	PERM1	2.78E+03
ENSBTAG00000013813	1.16E-10	0	KLHL17	1.16E+03
ENSBTAG00000005300	3.32E-10	0	TMEM51	3.32E+03
ENSBTAG00000019927	2.89E-10	0	CYB5R1	2.89E+03
ENSBTAG00000046799	1.73E-10	0		1.73E+03
ENSBTAG00000004790	1.78E-10	0	UBE2T	1.78E+03
ENSBTAG00000035659	2.63E-10	0		2.63E+03
ENSBTAG00000016347	0	0		1.00E+00
ENSBTAG00000046062	0	0		1.00E+00
ENSBTAG00000046758	1.09E-10	0	RNF223	1.09E+03
ENSBTAG00000038238	2.89E-10	0		2.90E+03
ENSBTAG00000047395	8.22E-10	0	APOBEC4	8.22E+03
ENSBTAG00000045729	0	0		1.00E+00
ENSBTAG00000047559	2.15E-10	0		2.15E+03
ENSBTAG00000046345	3.07E-10	0		3.07E+03
ENSBTAG00000047428	5.88E-11	0		5.89E+02
ENSBTAG00000045738	0	3.88E-10		2.58E-04
ENSBTAG00000046439	0	1.97E-10		5.07E-04
ENSBTAG00000033620	3.38E-11	2.99E-10		1.13E-01
ENSBTAG00000047626	4.75E-11	2.40E-10		1.98E-01
ENSBTAG00000001255	1.48E-10	6.24E-10	CRYBB3	2.37E-01
ENSBTAG00000046986	4.86E-11	1.84E-10		2.64E-01
ENSBTAG00000035012	8.68E-10	2.55E-09		3.40E-01
ENSBTAG00000011962	6.48E-11	1.84E-10	PLA2G3	3.52E-01
ENSBTAG00000038258	1.09E-10	2.76E-10		3.96E-01
ENSBTAG00000039237	2.56E-10	6.45E-10		3.96E-01
ENSBTAG00000005648	4.89E-11	1.23E-10	POU4F2	3.98E-01
ENSBTAG00000001594	3.18E-11	8.00E-11	ARL6IP4	3.98E-01
ENSBTAG00000047526	1.37E-10	3.45E-10	GSC2	3.96E-01
ENSBTAG00000019280	2.45E-10	6.11E-10	CRYBB1	4.01E-01
ENSBTAG00000046302	6.08E-10	1.40E-09		4.34E-01
ENSBTAG00000040370	1.02E-09	2.31E-09		4.40E-01
ENSBTAG00000034761	9.95E-11	2.09E-10		4.76E-01
ENSBTAG00000001593	6.11E-11	1.28E-10	OGFOD2	4.78E-01
ENSBTAG00000013001	5.14E-11	1.08E-10		4.76E-01
ENSBTAG00000003100	2.23E-10	4.62E-10	SMTN	4.82E-01
ENSBTAG00000046669	7.00E-10	1.41E-09	PRAME	4.97E-01
ENSBTAG00000033558	2.48E-10	5.00E-10		4.95E-01
ENSBTAG00000005240	8.67E-11	1.72E-10	ZNF605	5.04E-01
ENSBTAG00000007139	1.99E-10	3.80E-10	WSB2	5.24E-01
ENSBTAG00000031468	3.61E-10	6.83E-10		5.28E-01
ENSBTAG00000031993	6.39E-11	1.21E-10	FAM222A	5.29E-01
ENSBTAG00000047085	6.13E-10	1.13E-09	PRAME	5.42E-01
ENSBTAG00000047139	5.10E-11	8.36E-11	C12orf49	6.11E-01
ENSBTAG00000015767	1.63E-10	2.55E-10	RNF10	6.41E-01
ENSBTAG00000046306	1.23E-09	1.91E-09		6.43E-01
ENSBTAG00000014464	3.63E-10	5.60E-10	SEC14L3	6.48E-01
ENSBTAG00000010812	3.71E-10	5.64E-10	P2RX4	6.58E-01
ENSBTAG00000047597	8.54E-10	1.27E-09		6.73E-01
ENSBTAG00000006118	5.64E-11	8.41E-11	RSRC2	6.72E-01
ENSBTAG00000016680	6.24E-10	9.08E-10	PPID	6.88E-01
ENSBTAG00000031279	1.72E-10	2.48E-10	SELENOM	6.95E-01
ENSBTAG00000005435	4.96E-10	7.14E-10		6.94E-01
ENSBTAG00000005478	1.41E-10	2.01E-10	PATZ1	7.00E-01
ENSBTAG00000006504	2.44E-10	3.43E-10	TCHP	7.11E-01
ENSBTAG00000019278	1.54E-10	2.08E-10	KNTC1	7.39E-01
ENSBTAG00000024545	3.44E-10	4.58E-10	DCHS2	7.51E-01
ENSBTAG00000017459	2.95E-10	3.90E-10	DUSP18	7.56E-01
ENSBTAG00000018647	4.73E-10	6.24E-10		7.58E-01
ENSBTAG00000017799	1.01E-10	1.33E-10	PITPNB	7.62E-01
ENSBTAG00000002770	3.03E-10	3.95E-10	TCN2	7.67E-01
ENSBTAG00000039769	1.53E-09	1.98E-09		7.73E-01

ENSBTAG00000006608	3.22E-10	4.17E-10	GGT5	7.71E-01
ENSBTAG00000003297	3.60E-10	4.66E-10	OASL	7.73E-01
ENSBTAG00000012826	1.22E-10	1.58E-10	SLC25A31	7.73E-01
ENSBTAG00000044058	8.68E-11	1.12E-10	MFSD8	7.75E-01
ENSBTAG00000015692	1.18E-10	1.51E-10	HSPA4L	7.82E-01
ENSBTAG00000005951	1.09E-10	1.38E-10	HIC2	7.92E-01
ENSBTAG00000033967	1.48E-10	1.86E-10		7.94E-01
ENSBTAG00000002122	2.52E-10	3.18E-10	FAM109A	7.94E-01
ENSBTAG00000021262	2.16E-10	2.72E-10	SNRPD3	7.94E-01
ENSBTAG00000022030	6.45E-10	8.12E-10	C22orf15	7.94E-01
ENSBTAG00000007375	5.18E-10	6.53E-10	MIF	7.94E-01
ENSBTAG00000039316	1.04E-10	1.31E-10	ZNF268	7.95E-01
ENSBTAG00000005128	5.88E-10	7.41E-10	VPREB3	7.93E-01
ENSBTAG00000018084	5.44E-11	6.85E-11	GATSL3	7.94E-01
ENSBTAG00000004197	7.54E-11	9.50E-11	B3GNT4	7.94E-01
ENSBTAG00000046887	6.48E-10	8.17E-10		7.93E-01
ENSBTAG000000047924	7.58E-11	9.55E-11	MAB21L2	7.94E-01
ENSBTAG000000037415	3.58E-10	4.51E-10		7.93E-01
ENSBTAG00000045938	9.91E-11	1.25E-10		7.93E-01
ENSBTAG00000022020	2.57E-10	3.24E-10	CLDN5	7.94E-01
ENSBTAG00000003390	1.58E-10	1.99E-10	SF3A1	7.94E-01
ENSBTAG00000012800	1.78E-10	2.25E-10	MMAA	7.92E-01
ENSBTAG00000007424	1.14E-10	1.44E-10	LIF	7.92E-01
ENSBTAG00000014576	3.08E-10	3.85E-10	GUCY1A3	7.99E-01
ENSBTAG00000001005	7.30E-10	9.08E-10		8.04E-01
ENSBTAG00000016679	3.72E-10	4.62E-10	ETFDH	8.05E-01
ENSBTAG00000031351	5.46E-10	6.72E-10	SEC14L4	8.13E-01
ENSBTAG00000044022	4.92E-10	6.01E-10	KIAA1671	8.19E-01
ENSBTAG00000013150	2.62E-10	3.17E-10	THOC5	8.27E-01
ENSBTAG00000004286	5.11E-10	6.18E-10	CDC45	8.28E-01
ENSBTAG00000040298	2.47E-10	2.97E-10		8.30E-01
ENSBTAG00000009797	3.02E-10	3.64E-10	RIMBP2	8.29E-01
ENSBTAG00000001638	2.67E-10	3.21E-10		8.31E-01
ENSBTAG00000001295	5.47E-10	6.56E-10	DEPDC5	8.33E-01
ENSBTAG00000008948	2.34E-10	2.80E-10	P2RX7	8.36E-01
ENSBTAG00000014060	5.45E-10	6.52E-10	LSM6	8.36E-01
ENSBTAG00000016779	2.91E-10	3.47E-10	CLIP1	8.38E-01
ENSBTAG00000012193	1.34E-10	1.59E-10	TTC28	8.42E-01
ENSBTAG00000005183	7.48E-10	8.87E-10	MVK	8.43E-01
ENSBTAG000000040336	8.24E-10	9.76E-10		8.44E-01
ENSBTAG00000047664	3.07E-10	3.61E-10	GNAZ	8.50E-01
ENSBTAG00000007266	8.58E-10	1.01E-09	DDX55	8.50E-01
ENSBTAG00000005178	5.33E-10	6.27E-10	MMAB	8.50E-01
ENSBTAG00000014269	3.38E-10	3.96E-10	SCARB1	8.53E-01
ENSBTAG00000020414	3.53E-10	4.14E-10	DHX37	8.53E-01
ENSBTAG00000036183	4.31E-10	5.05E-10	FBXW8	8.54E-01
ENSBTAG000000037993	9.61E-10	1.12E-09		8.58E-01
ENSBTAG00000009988	2.48E-10	2.88E-10	SMARCB1	8.59E-01
ENSBTAG00000000031	1.34E-10	1.54E-10	TRPV4	8.70E-01
ENSBTAG00000012824	2.83E-10	3.25E-10	INTU	8.69E-01
ENSBTAG00000032433	5.47E-10	6.26E-10		8.75E-01
ENSBTAG00000005644	4.21E-10	4.80E-10		8.77E-01
ENSBTAG00000003107	1.87E-10	2.13E-10	LHX5	8.78E-01
ENSBTAG00000006594	1.09E-09	1.24E-09		8.76E-01
ENSBTAG00000004647	6.72E-10	7.65E-10	UCP1	8.78E-01
ENSBTAG00000004179	2.34E-10	2.66E-10	PSMD9	8.78E-01
ENSBTAG00000012288	4.16E-10	4.72E-10	TFIP11	8.81E-01
ENSBTAG00000007804	2.19E-10	2.49E-10	RILPL2	8.80E-01
ENSBTAG00000019846	2.82E-10	3.20E-10	ALKBH2	8.82E-01
ENSBTAG00000002385	1.38E-10	1.57E-10	SLC35E4	8.82E-01
ENSBTAG00000026626	5.38E-10	6.07E-10	ANHX	8.87E-01
ENSBTAG00000018086	1.50E-10	1.69E-10		8.85E-01
ENSBTAG00000012851	8.26E-10	9.29E-10	SLC5A1	8.89E-01
ENSBTAG00000004633	8.85E-10	9.96E-10		8.89E-01
ENSBTAG00000031723	1.50E-10	1.68E-10		8.95E-01
ENSBTAG00000020050	3.61E-10	4.03E-10	MLEC	8.95E-01
ENSBTAG00000007269	6.56E-10	7.31E-10	EIF2B1	8.98E-01
ENSBTAG00000001597	1.41E-10	1.56E-10	PITPNM2	9.03E-01
ENSBTAG00000002048	1.62E-10	1.80E-10	PTPN11	9.01E-01
ENSBTAG00000007484	2.33E-10	2.57E-10	ACADS	9.07E-01

ENSBTAG00000013152	3.37E-10	3.71E-10	NIPSNAP1	9.07E-01
ENSBTAG00000017886	3.17E-10	3.49E-10	CABP7	9.08E-01
ENSBTAG00000022027	2.45E-10	2.71E-10	DDT	9.06E-01
ENSBTAG00000004284	5.31E-10	5.84E-10	UFD1L	9.10E-01
ENSBTAG00000001398	1.38E-10	1.51E-10	ATP2A2	9.12E-01
ENSBTAG000000021795	4.82E-10	5.26E-10	HNF1A	9.16E-01
ENSBTAG00000008996	6.15E-10	6.70E-10	SFI1	9.17E-01
ENSBTAG00000033486	3.82E-10	4.17E-10	C4orf46	9.16E-01
ENSBTAG00000001580	2.24E-10	2.43E-10	CLGN	9.21E-01
ENSBTAG000000034522	8.00E-10	8.70E-10		9.19E-01
ENSBTAG000000045580	9.13E-10	9.91E-10		9.21E-01
ENSBTAG00000022058	3.78E-10	4.11E-10	ACACB	9.20E-01
ENSBTAG00000002835	1.97E-10	2.13E-10	SMAD1	9.25E-01
ENSBTAG000000010843	1.55E-10	1.68E-10	PGRMC2	9.25E-01
ENSBTAG00000007496	1.62E-10	1.75E-10	P2RX2	9.24E-01
ENSBTAG00000018546	3.85E-10	4.17E-10	LRBA	9.24E-01
ENSBTAG000000046900	6.23E-10	6.73E-10		9.25E-01
ENSBTAG000000032517	3.65E-10	3.93E-10	BCL7A	9.28E-01
ENSBTAG00000003393	1.89E-10	2.04E-10	CCDC157	9.24E-01
ENSBTAG00000018951	6.04E-10	6.49E-10	TBC1D9	9.31E-01
ENSBTAG000000010630	9.07E-11	9.75E-11	ABHD18	9.30E-01
ENSBTAG00000008990	3.75E-10	4.03E-10	DRG1	9.30E-01
ENSBTAG00000019848	4.15E-10	4.45E-10	UNG	9.32E-01
ENSBTAG00000008945	4.70E-10	5.04E-10	SDSL	9.33E-01
ENSBTAG000000022109	5.96E-10	6.36E-10	SCOC	9.36E-01
ENSBTAG00000001696	3.48E-10	3.71E-10	RBM46	9.38E-01
ENSBTAG000000046730	1.97E-10	2.09E-10		9.41E-01
ENSBTAG000000022120	4.56E-10	4.83E-10	FGB	9.45E-01
ENSBTAG000000002328	3.32E-10	3.50E-10	KDM2B	9.47E-01
ENSBTAG000000017438	2.12E-10	2.23E-10	C5orf52	9.51E-01
ENSBTAG000000030979	2.58E-10	2.71E-10		9.52E-01
ENSBTAG000000016813	4.53E-10	4.76E-10	SH3D19	9.53E-01
ENSBTAG000000047084	5.74E-10	6.02E-10		9.53E-01
ENSBTAG000000017219	7.33E-11	7.69E-11	DDX51	9.53E-01
ENSBTAG000000026437	1.74E-10	1.83E-10	ULBP3	9.50E-01
ENSBTAG000000017305	5.17E-10	5.37E-10		9.62E-01
ENSBTAG000000010958	1.84E-10	1.90E-10		9.70E-01
ENSBTAG000000018831	3.63E-10	3.75E-10	DAO	9.67E-01
ENSBTAG000000008464	2.91E-10	3.01E-10	ABC9	9.66E-01
ENSBTAG000000008998	3.11E-10	3.20E-10	PISD	9.72E-01
ENSBTAG000000012791	1.39E-10	1.43E-10		9.69E-01
ENSBTAG000000025263	5.31E-10	5.45E-10	FAM160A1	9.75E-01
ENSBTAG000000008762	1.99E-10	2.03E-10		9.83E-01
ENSBTAG000000019845	4.93E-10	5.00E-10	USP30	9.86E-01
ENSBTAG000000020161	2.60E-10	2.64E-10	KLHL22	9.86E-01
ENSBTAG000000009800	2.91E-10	2.95E-10	MSI1	9.85E-01
ENSBTAG000000020346	6.09E-10	6.17E-10	CCDC92	9.87E-01
ENSBTAG000000047805	3.97E-10	4.00E-10		9.92E-01
ENSBTAG000000021121	4.14E-10	4.17E-10	PPIL2	9.92E-01
ENSBTAG000000020532	7.59E-10	7.64E-10		9.93E-01
ENSBTAG000000017069	5.62E-10	5.65E-10	FAM198B	9.94E-01
ENSBTAG000000010662	4.01E-10	4.01E-10	LIMK2	1.00E+00
ENSBTAG000000005998	1.90E-10	1.88E-10	NOCT	1.01E+00
ENSBTAG000000002828	1.28E-10	1.27E-10	RNF185	1.01E+00
ENSBTAG000000020049	3.25E-10	3.21E-10		1.01E+00
ENSBTAG000000004088	2.80E-10	2.76E-10	CRYBB2	1.01E+00
ENSBTAG000000008761	2.06E-10	2.01E-10	TRAFD1	1.02E+00
ENSBTAG000000015761	2.16E-10	2.12E-10	COQ5	1.02E+00
ENSBTAG000000004458	8.42E-11	8.25E-11	MORN3	1.02E+00
ENSBTAG000000007137	1.38E-10	1.35E-10	RFC5	1.02E+00
ENSBTAG000000018200	1.39E-10	1.36E-10	IL15	1.02E+00
ENSBTAG000000044109	2.95E-10	2.88E-10	ASIC5	1.02E+00
ENSBTAG000000012135	1.96E-10	1.91E-10	LARP1B	1.02E+00
ENSBTAG000000021764	4.61E-10	4.50E-10	GLRB	1.02E+00
ENSBTAG000000003208	2.16E-10	2.10E-10	RAB33B	1.03E+00
ENSBTAG000000020423	1.57E-10	1.52E-10	EP400	1.03E+00
ENSBTAG000000007953	4.93E-10	4.78E-10	FBXW7	1.03E+00
ENSBTAG000000010667	6.70E-10	6.50E-10	PIK3IP1	1.03E+00
ENSBTAG000000011384	2.26E-10	2.19E-10	TBX5	1.03E+00
ENSBTAG000000004956	2.78E-10	2.69E-10	CHEK2	1.04E+00

ENSBTAG00000014007	2.63E-10	2.53E-10	ELMOD2	1.04E+00
ENSBTAG00000032353	8.01E-10	7.70E-10	CCDC63	1.04E+00
ENSBTAG00000021779	4.66E-10	4.48E-10	MGST2	1.04E+00
ENSBTAG00000009167	3.10E-10	2.96E-10	SLC15A4	1.05E+00
ENSBTAG00000017890	1.76E-10	1.68E-10	ZMAT5	1.05E+00
ENSBTAG00000006569	4.83E-10	4.59E-10	SEZ6L	1.05E+00
ENSBTAG00000002023	3.81E-10	3.62E-10	NOS1	1.05E+00
ENSBTAG00000008991	6.22E-10	5.90E-10	EIF4ENIF1	1.05E+00
ENSBTAG00000011889	1.32E-10	1.25E-10	NOC4L	1.06E+00
ENSBTAG00000039552	7.70E-11	7.27E-11	PLK4	1.06E+00
ENSBTAG00000036113	3.07E-10	2.91E-10	RSPH14	1.06E+00
ENSBTAG00000046322	4.57E-10	4.32E-10		1.06E+00
ENSBTAG00000018369	3.37E-10	3.18E-10	MYL2	1.06E+00
ENSBTAG00000013848	4.55E-10	4.29E-10	ADGRD1	1.06E+00
ENSBTAG00000012790	1.42E-10	1.34E-10	TRIAP1	1.06E+00
ENSBTAG00000016163	1.13E-10	1.07E-10	OSM	1.05E+00
ENSBTAG00000000297	3.56E-10	3.35E-10		1.06E+00
ENSBTAG00000047595	4.43E-10	4.15E-10		1.07E+00
ENSBTAG00000047107	3.26E-10	3.05E-10	TNIP3	1.07E+00
ENSBTAG00000031018	4.21E-10	3.93E-10		1.07E+00
ENSBTAG00000019977	2.27E-10	2.11E-10	PCDH10	1.08E+00
ENSBTAG00000008060	4.17E-10	3.87E-10	SNRNP35	1.08E+00
ENSBTAG00000019871	3.08E-10	2.84E-10	TRMT2A	1.08E+00
ENSBTAG00000002599	1.58E-10	1.45E-10	MGARP	1.09E+00
ENSBTAG00000013686	1.08E-09	9.88E-10	WSCD2	1.10E+00
ENSBTAG00000008098	3.41E-10	3.12E-10	DCLK2	1.09E+00
ENSBTAG00000014376	3.48E-10	3.15E-10	ANKRD13A	1.11E+00
ENSBTAG00000000439	2.12E-10	1.91E-10	SFSWAP	1.11E+00
ENSBTAG00000008117	4.82E-10	4.35E-10	SLC5A4	1.11E+00
ENSBTAG00000011787	1.88E-10	1.69E-10	ISCU	1.11E+00
ENSBTAG00000010312	3.97E-10	3.55E-10	MAPK1	1.12E+00
ENSBTAG00000033890	4.88E-10	4.33E-10		1.13E+00
ENSBTAG00000031824	4.70E-10	4.17E-10	RBM19	1.13E+00
ENSBTAG00000004192	1.97E-10	1.74E-10	LRRC43	1.13E+00
ENSBTAG00000021595	2.80E-10	2.48E-10	HIP1R	1.13E+00
ENSBTAG00000004189	3.32E-10	2.94E-10	MLXIP	1.13E+00
ENSBTAG00000000281	5.90E-10	5.21E-10	MND1	1.13E+00
ENSBTAG00000005678	3.63E-10	3.19E-10	AACS	1.14E+00
ENSBTAG00000046083	1.32E-09	1.17E-09	ZNF280A	1.13E+00
ENSBTAG00000001325	6.20E-10	5.44E-10	UPB1	1.14E+00
ENSBTAG00000019282	3.02E-10	2.65E-10	CRYBA4	1.14E+00
ENSBTAG00000046657	1.88E-09	1.65E-09		1.14E+00
ENSBTAG00000008470	1.53E-10	1.33E-10	MPHOSPH9	1.15E+00
ENSBTAG00000018116	2.96E-10	2.58E-10	MTFP1	1.15E+00
ENSBTAG00000026732	7.20E-10	6.27E-10		1.15E+00
ENSBTAG00000004745	2.41E-10	2.08E-10	NAA15	1.16E+00
ENSBTAG00000014646	3.10E-10	2.68E-10		1.15E+00
ENSBTAG00000013153	3.75E-10	3.24E-10	NF2	1.16E+00
ENSBTAG00000013877	2.41E-10	2.08E-10	HORMAD2	1.16E+00
ENSBTAG00000016514	6.87E-10	5.92E-10	CPE	1.16E+00
ENSBTAG00000024603	1.87E-10	1.61E-10	NCOR2	1.16E+00
ENSBTAG00000039861	8.52E-10	7.32E-10		1.16E+00
ENSBTAG00000019375	2.39E-10	2.04E-10	SCARF2	1.17E+00
ENSBTAG00000020584	2.00E-10	1.70E-10	IFT81	1.18E+00
ENSBTAG00000020594	1.49E-10	1.26E-10	ELF2	1.18E+00
ENSBTAG00000047121	5.18E-10	4.39E-10		1.18E+00
ENSBTAG00000009722	1.37E-10	1.15E-10		1.19E+00
ENSBTAG00000024605	2.02E-10	1.70E-10		1.19E+00
ENSBTAG00000003696	2.07E-10	1.74E-10	BICDL1	1.19E+00
ENSBTAG00000020760	2.37E-10	1.99E-10	SNAP29	1.19E+00
ENSBTAG00000044198	1.08E-10	9.06E-11		1.19E+00
ENSBTAG00000004247	5.69E-10	4.78E-10	RPH3A	1.19E+00
ENSBTAG00000030927	1.77E-10	1.49E-10		1.19E+00
ENSBTAG00000008587	4.07E-10	3.42E-10		1.19E+00
ENSBTAG00000046677	1.73E-10	1.45E-10	RTN4R	1.19E+00
ENSBTAG00000017379	2.06E-10	1.73E-10	GCN1	1.19E+00
ENSBTAG00000000913	2.24E-10	1.88E-10	UQCR10	1.19E+00
ENSBTAG00000009908	5.26E-10	4.42E-10		1.19E+00
ENSBTAG00000047986	7.06E-10	5.92E-10		1.19E+00
ENSBTAG00000047904	2.27E-10	1.91E-10		1.19E+00



ENSBTAG00000018825	2.49E-10	2.09E-10	SSH1	1.19E+00
ENSBTAG00000035606	6.30E-10	5.28E-10		1.19E+00
ENSBTAG00000021168	2.27E-10	1.91E-10	SIRT4	1.19E+00
ENSBTAG00000002452	2.92E-10	2.44E-10	ASCC2	1.20E+00
ENSBTAG00000006506	2.77E-10	2.32E-10	GIT2	1.20E+00
ENSBTAG00000006468	4.00E-10	3.34E-10	PIWIL1	1.20E+00
ENSBTAG00000007270	1.01E-09	8.44E-10	GTF2H3	1.20E+00
ENSBTAG00000001543	6.59E-10	5.49E-10	BRI3BP	1.20E+00
ENSBTAG00000010815	2.12E-10	1.76E-10	CAMKK2	1.20E+00
ENSBTAG00000004187	5.47E-10	4.54E-10	WDR66	1.21E+00
ENSBTAG00000012738	2.96E-10	2.42E-10	ZNF827	1.22E+00
ENSBTAG00000009006	1.60E-10	1.30E-10	PRR14L	1.23E+00
ENSBTAG00000013971	3.65E-10	2.99E-10	PI4KA	1.22E+00
ENSBTAG00000034089	5.05E-10	4.11E-10		1.23E+00
ENSBTAG00000006114	2.56E-10	2.08E-10	ZCCHC8	1.23E+00
ENSBTAG00000019146	8.07E-10	6.56E-10	OSBP2	1.23E+00
ENSBTAG00000008061	1.77E-10	1.44E-10	RILPL1	1.23E+00
ENSBTAG00000009755	1.78E-10	1.44E-10		1.24E+00
ENSBTAG00000018048	3.65E-10	2.93E-10	MED15	1.25E+00
ENSBTAG00000039630	2.28E-10	1.83E-10		1.25E+00
ENSBTAG000000044119	3.87E-10	3.11E-10	KSR2	1.25E+00
ENSBTAG00000004203	1.44E-10	1.15E-10		1.25E+00
ENSBTAG00000008571	4.28E-10	3.42E-10	CUX2	1.25E+00
ENSBTAG00000000429	3.55E-10	2.84E-10	DGCR2	1.25E+00
ENSBTAG000000002145	1.02E-10	8.12E-11	MMP17	1.25E+00
ENSBTAG00000001473	1.88E-10	1.49E-10	ARVCF	1.26E+00
ENSBTAG00000003345	3.90E-10	3.09E-10	FAT4	1.26E+00
ENSBTAG000000048020	5.65E-10	4.48E-10		1.26E+00
ENSBTAG00000000139	1.86E-10	1.47E-10	KMT5A	1.26E+00
ENSBTAG00000003068	7.31E-10	5.77E-10	MSMO1	1.27E+00
ENSBTAG000000043976	1.43E-10	1.13E-10	RNFT2	1.26E+00
ENSBTAG00000007234	5.38E-10	4.23E-10	PLRG1	1.27E+00
ENSBTAG00000007272	2.21E-10	1.73E-10	ATP6V0A2	1.28E+00
ENSBTAG00000017023	1.32E-10	1.04E-10		1.27E+00
ENSBTAG00000006659	1.98E-10	1.55E-10	TMEM116	1.28E+00
ENSBTAG00000010847	2.07E-10	1.61E-10	FOXN4	1.28E+00
ENSBTAG00000007993	2.02E-10	1.58E-10	CORO1C	1.28E+00
ENSBTAG000000033339	2.24E-10	1.75E-10	ANKLE2	1.28E+00
ENSBTAG000000047538	2.25E-10	1.74E-10		1.29E+00
ENSBTAG000000004167	4.36E-10	3.37E-10	TTC29	1.29E+00
ENSBTAG00000014111	4.47E-10	3.45E-10	INPP4B	1.30E+00
ENSBTAG00000008438	9.05E-10	6.97E-10	ARFIP1	1.30E+00
ENSBTAG00000022036	4.04E-10	3.11E-10	ZNRF3	1.30E+00
ENSBTAG000000044078	2.64E-10	2.03E-10	TESC	1.30E+00
ENSBTAG00000006626	6.34E-10	4.85E-10	TMEM132B	1.31E+00
ENSBTAG00000002315	1.70E-10	1.30E-10	RNF34	1.31E+00
ENSBTAG000000031851	3.84E-10	2.92E-10	SELPLG	1.32E+00
ENSBTAG00000012987	3.11E-10	2.37E-10	ULK1	1.31E+00
ENSBTAG00000022069	7.71E-11	5.87E-11	ATXN2	1.31E+00
ENSBTAG00000007483	1.46E-10	1.10E-10	UNC119B	1.32E+00
ENSBTAG00000000590	2.42E-10	1.84E-10	POLE	1.32E+00
ENSBTAG00000001187	1.41E-10	1.07E-10	RASL10A	1.32E+00
ENSBTAG00000002130	3.42E-10	2.58E-10	SMPD4	1.33E+00
ENSBTAG000000021796	4.85E-10	3.66E-10	C12orf43	1.33E+00
ENSBTAG000000022084	4.14E-10	3.13E-10		1.32E+00
ENSBTAG00000008528	1.65E-10	1.25E-10	SLC25A1	1.32E+00
ENSBTAG00000013973	3.81E-10	2.88E-10	SERPIND1	1.32E+00
ENSBTAG000000032436	9.02E-10	6.80E-10		1.33E+00
ENSBTAG000000011102	3.90E-10	2.92E-10	TPCN1	1.34E+00
ENSBTAG00000001030	3.44E-10	2.55E-10	MTMR3	1.35E+00
ENSBTAG00000002531	5.47E-10	4.05E-10	ARHGAP10	1.35E+00
ENSBTAG000000003527	2.63E-10	1.94E-10	CCDC62	1.36E+00
ENSBTAG000000013611	3.64E-10	2.69E-10	SCLT1	1.35E+00
ENSBTAG000000020505	1.44E-10	1.06E-10	SBNO1	1.35E+00
ENSBTAG000000043959	5.62E-10	4.13E-10	PDGFC	1.36E+00
ENSBTAG000000012368	1.38E-10	1.01E-10	IL21	1.36E+00
ENSBTAG000000031814	3.63E-10	2.66E-10	SDS	1.36E+00
ENSBTAG000000047718	7.34E-10	5.38E-10	ZNF70	1.36E+00
ENSBTAG000000007510	2.54E-10	1.85E-10	PXMP2	1.37E+00
ENSBTAG000000015549	1.82E-10	1.33E-10	PCDH18	1.37E+00

ENSBTAG00000013038	3.03E-10	2.20E-10	UBE2L3	1.38E+00
ENSBTAG00000037527	9.61E-10	6.98E-10	OAS1X	1.38E+00
ENSBTAG00000007855	1.62E-10	1.16E-10	VSIG10	1.39E+00
ENSBTAG00000019244	6.00E-10	4.33E-10	P2RX6	1.39E+00
ENSBTAG00000016523	5.11E-10	3.68E-10	DNAH10	1.39E+00
ENSBTAG00000006753	3.53E-10	2.54E-10	MBD3L1	1.39E+00
ENSBTAG00000004775	2.88E-10	2.07E-10	GRIA2	1.39E+00
ENSBTAG00000013914	3.64E-10	2.60E-10	GATB	1.40E+00
ENSBTAG00000000005	2.46E-10	1.75E-10	GRK3	1.41E+00
ENSBTAG000000011970	2.52E-10	1.79E-10	FNIP2	1.41E+00
ENSBTAG00000020430	4.82E-10	3.42E-10	GLT1D1	1.41E+00
ENSBTAG00000004175	2.18E-10	1.54E-10	HPD	1.41E+00
ENSBTAG00000010306	7.89E-10	5.55E-10	RXFP1	1.42E+00
ENSBTAG000000011103	4.66E-10	3.28E-10	SLC8B1	1.42E+00
ENSBTAG00000012504	1.35E-10	9.44E-11	GAS2L1	1.43E+00
ENSBTAG00000031160	7.84E-10	5.49E-10		1.43E+00
ENSBTAG000000022019	2.29E-10	1.60E-10		1.43E+00
ENSBTAG00000006666	1.43E-10	9.98E-11	NAA25	1.43E+00
ENSBTAG00000014232	5.60E-10	3.91E-10	GAL3ST1	1.43E+00
ENSBTAG00000016944	2.23E-10	1.55E-10	ADORA2A	1.44E+00
ENSBTAG000000047676	2.36E-10	1.64E-10		1.44E+00
ENSBTAG000000045910	2.28E-10	1.58E-10		1.44E+00
ENSBTAG00000009101	1.03E-10	7.10E-11	SH2B3	1.45E+00
ENSBTAG00000009963	2.44E-10	1.67E-10	MORC2	1.46E+00
ENSBTAG000000000170	1.95E-10	1.34E-10		1.46E+00
ENSBTAG000000043581	2.89E-10	1.98E-10	TXNRD2	1.46E+00
ENSBTAG00000001806	3.30E-10	2.26E-10	IQCD	1.46E+00
ENSBTAG00000014628	8.98E-10	6.13E-10	OAS2	1.47E+00
ENSBTAG000000001189	2.99E-10	2.03E-10	AP1B1	1.47E+00
ENSBTAG000000043963	7.13E-10	4.83E-10	FHDC1	1.48E+00
ENSBTAG00000018108	3.10E-10	2.09E-10	PXN	1.48E+00
ENSBTAG000000010368	4.84E-10	3.26E-10	TPST2	1.49E+00
ENSBTAG000000006108	3.03E-10	2.03E-10	MMP11	1.49E+00
ENSBTAG000000020504	1.32E-10	8.79E-11	CDK2AP1	1.50E+00
ENSBTAG00000001888	1.48E-10	9.84E-11	MED13L	1.50E+00
ENSBTAG000000027182	3.98E-10	2.64E-10	NR3C2	1.51E+00
ENSBTAG000000005263	5.56E-10	3.68E-10	KLHL2	1.51E+00
ENSBTAG00000017867	4.59E-10	3.02E-10	YPEL1	1.52E+00
ENSBTAG00000009602	2.08E-10	1.36E-10	TMEM120B	1.53E+00
ENSBTAG000000004172	1.55E-10	9.99E-11	SETD1B	1.55E+00
ENSBTAG000000046191	1.37E-10	8.82E-11	ADAD1	1.55E+00
ENSBTAG00000009346	3.12E-10	1.99E-10	MAPKAPK5	1.57E+00
ENSBTAG00000006745	2.07E-10	1.30E-10	FGG	1.59E+00
ENSBTAG000000017755	1.54E-10	9.69E-11	EWSR1	1.59E+00
ENSBTAG000000031134	2.19E-10	1.38E-10		1.59E+00
ENSBTAG000000003394	2.50E-10	1.58E-10	RNF215	1.58E+00
ENSBTAG000000004199	2.70E-10	1.70E-10	DIABLO	1.59E+00
ENSBTAG000000019891	2.61E-10	1.64E-10	MRPL40	1.59E+00
ENSBTAG00000012421	1.20E-10	7.54E-11		1.59E+00
ENSBTAG000000036310	3.15E-10	1.98E-10		1.59E+00
ENSBTAG000000031693	1.35E-10	8.47E-11	ADAM1B	1.59E+00
ENSBTAG000000009145	3.94E-10	2.48E-10	SLC7A4	1.59E+00
ENSBTAG000000047529	5.79E-10	3.64E-10		1.59E+00
ENSBTAG000000005385	2.88E-10	1.81E-10	POP5	1.59E+00
ENSBTAG000000021706	2.30E-10	1.45E-10	TBX3	1.59E+00
ENSBTAG000000046584	9.18E-10	5.76E-10		1.59E+00
ENSBTAG000000008816	6.68E-10	4.11E-10	TRIM2	1.62E+00
ENSBTAG000000032097	3.05E-10	1.87E-10	FBXO21	1.63E+00
ENSBTAG000000011198	1.42E-10	8.66E-11	PPP1CC	1.64E+00
ENSBTAG000000005968	6.45E-10	3.92E-10	TLL1	1.64E+00
ENSBTAG000000005691	2.54E-10	1.53E-10		1.66E+00
ENSBTAG000000017493	1.41E-10	8.31E-11	JADE1	1.70E+00
ENSBTAG000000005695	1.48E-10	8.71E-11	NUDT6	1.70E+00
ENSBTAG000000034075	6.00E-10	3.50E-10	SLC7A11	1.71E+00
ENSBTAG000000019757	1.73E-10	1.01E-10	SUDS3	1.72E+00
ENSBTAG000000046256	4.56E-10	2.61E-10	TMEM132C	1.75E+00
ENSBTAG000000021656	4.24E-10	2.42E-10	SPECC1L	1.75E+00
ENSBTAG00000018833	6.91E-10	3.91E-10	SVOP	1.77E+00
ENSBTAG000000002695	6.43E-10	3.63E-10	MYO1H	1.77E+00
ENSBTAG000000012892	2.38E-10	1.33E-10	C22orf31	1.79E+00

ENSBTAG0000000698	3.35E-10	1.86E-10	MYO18B	1.80E+00
ENSBTAG00000019021	3.43E-10	1.91E-10	TRPC3	1.80E+00
ENSBTAG00000013951	3.63E-10	2.00E-10	CHFR	1.82E+00
ENSBTAG00000011373	4.67E-10	2.56E-10	MAML3	1.82E+00
ENSBTAG00000010376	2.20E-10	1.21E-10	TMEM184C	1.82E+00
ENSBTAG00000007728	3.31E-10	1.81E-10	PES1	1.83E+00
ENSBTAG00000016338	3.37E-10	1.83E-10	SPPL3	1.84E+00
ENSBTAG00000012450	4.32E-10	2.33E-10	RAPGEF2	1.85E+00
ENSBTAG00000033547	5.85E-10	3.16E-10	C4orf45	1.85E+00
ENSBTAG00000001117	3.77E-10	2.04E-10	ANKRD50	1.85E+00
ENSBTAG00000019854	7.32E-10	3.92E-10	ABCE1	1.87E+00
ENSBTAG00000020566	5.34E-10	2.86E-10	BCR	1.87E+00
ENSBTAG00000000125	3.19E-10	1.70E-10	SPATA5	1.87E+00
ENSBTAG00000019869	3.02E-10	1.58E-10	DGCR8	1.91E+00
ENSBTAG00000002591	6.45E-10	3.36E-10	GLTP	1.92E+00
ENSBTAG00000013147	3.91E-10	2.02E-10	NEFH	1.93E+00
ENSBTAG00000034281	2.80E-10	1.43E-10	MGAT4D	1.96E+00
ENSBTAG00000011292	3.89E-10	1.98E-10	LZTR1	1.97E+00
ENSBTAG00000032534	9.16E-11	4.62E-11	RHOF	1.98E+00
ENSBTAG00000039766	2.01E-10	1.01E-10	FBRSL1	1.99E+00
ENSBTAG00000039688	1.64E-10	8.27E-11	FAM101A	1.98E+00
ENSBTAG00000002697	5.69E-10	2.85E-10	KCTD10	2.00E+00
ENSBTAG00000011063	2.79E-10	1.37E-10	CTSO	2.04E+00
ENSBTAG00000019229	7.37E-10	3.60E-10	TMEM144	2.05E+00
ENSBTAG00000038806	1.35E-10	6.63E-11	ZNF891	2.04E+00
ENSBTAG00000016675	2.99E-10	1.46E-10		2.05E+00
ENSBTAG00000022044	2.50E-10	1.22E-10	RAB35	2.05E+00
ENSBTAG00000032047	3.74E-10	1.81E-10		2.07E+00
ENSBTAG00000002698	4.13E-10	1.99E-10	UBE3B	2.08E+00
ENSBTAG00000004693	5.45E-10	2.61E-10	CCDC60	2.09E+00
ENSBTAG00000004457	1.15E-10	5.52E-11	ORAI1	2.08E+00
ENSBTAG00000011062	3.01E-10	1.43E-10	TDO2	2.10E+00
ENSBTAG00000019426	8.65E-10	4.07E-10	RNF175	2.13E+00
ENSBTAG00000024708	4.07E-10	1.90E-10	CABIN1	2.14E+00
ENSBTAG00000047484	3.66E-10	1.71E-10	HRK	2.14E+00
ENSBTAG00000002950	7.72E-10	3.58E-10		2.16E+00
ENSBTAG00000018534	2.36E-10	1.09E-10	DGCR14	2.16E+00
ENSBTAG00000007271	3.83E-10	1.78E-10	TCTN2	2.15E+00
ENSBTAG00000007513	2.04E-10	9.45E-11	PGAM5	2.16E+00
ENSBTAG00000009216	2.99E-10	1.38E-10	HVCN1	2.17E+00
ENSBTAG00000047331	1.54E-09	7.06E-10		2.18E+00
ENSBTAG00000019894	4.22E-10	1.93E-10	C22orf39	2.19E+00
ENSBTAG00000045548	4.21E-10	1.92E-10	CRKL	2.19E+00
ENSBTAG00000016071	9.41E-10	4.27E-10	HHIP	2.20E+00
ENSBTAG00000012990	7.63E-10	3.43E-10	PUS1	2.22E+00
ENSBTAG00000022032	6.20E-10	2.78E-10	CHCHD10	2.23E+00
ENSBTAG00000007988	2.42E-10	1.08E-10	STX2	2.24E+00
ENSBTAG00000003581	1.46E-10	6.47E-11	SETD7	2.26E+00
ENSBTAG00000006657	3.10E-10	1.33E-10	ZDHHC8	2.33E+00
ENSBTAG00000008320	7.89E-11	3.31E-11	05-Sep	2.38E+00
ENSBTAG00000040072	7.99E-11	3.36E-11	ZNF140	2.38E+00
ENSBTAG00000006665	2.96E-10	1.24E-10	ERP29	2.39E+00
ENSBTAG00000017389	1.83E-10	7.67E-11	RPLP0	2.38E+00
ENSBTAG00000006173	8.19E-11	3.44E-11	CCDC116	2.38E+00
ENSBTAG00000013036	1.57E-10	6.59E-11	YDJC	2.38E+00
ENSBTAG00000046676	4.43E-10	1.86E-10		2.38E+00
ENSBTAG00000006730	3.06E-10	1.28E-10	SUSD2	2.39E+00
ENSBTAG00000039582	5.05E-10	2.12E-10	NDUFC1	2.38E+00
ENSBTAG00000022028	1.18E-10	4.96E-11	DERL3	2.38E+00
ENSBTAG00000046747	1.24E-09	5.18E-10		2.40E+00
ENSBTAG00000023007	4.93E-10	2.05E-10		2.40E+00
ENSBTAG00000048030	1.38E-09	5.73E-10		2.40E+00
ENSBTAG00000006938	6.37E-10	2.58E-10	PPM1F	2.47E+00
ENSBTAG00000005347	2.16E-10	8.52E-11	GPN3	2.53E+00
ENSBTAG00000016147	2.57E-10	9.96E-11		2.58E+00
ENSBTAG00000017038	1.03E-09	3.97E-10	HPS4	2.59E+00
ENSBTAG00000018563	3.74E-10	1.44E-10	SFRP2	2.59E+00
ENSBTAG00000013674	5.52E-10	2.12E-10	EDNRA	2.60E+00
ENSBTAG00000016739	3.69E-10	1.42E-10	RASAL1	2.60E+00
ENSBTAG00000001164	1.92E-10	7.35E-11	ACAD10	2.61E+00

ENSBTAG00000020883	1.72E-10	6.51E-11	IL2	2.65E+00
ENSBTAG00000031849	3.80E-10	1.43E-10	TMEM119	2.65E+00
ENSBTAG00000015526	9.54E-10	3.59E-10	PIWIL3	2.66E+00
ENSBTAG00000005345	2.81E-10	1.05E-10	ARPC3	2.67E+00
ENSBTAG00000031846	5.62E-10	2.08E-10	SART3	2.70E+00
ENSBTAG00000008743	5.10E-10	1.89E-10		2.70E+00
ENSBTAG00000000067	2.96E-10	1.06E-10	SDF2L1	2.79E+00
ENSBTAG00000001303	3.72E-10	1.32E-10	HSPB8	2.82E+00
ENSBTAG00000008963	4.43E-10	1.56E-10	CIT	2.84E+00
ENSBTAG00000006592	6.58E-10	2.32E-10	SGSM1	2.83E+00
ENSBTAG00000012550	1.29E-10	4.42E-11	TAOK3	2.91E+00
ENSBTAG00000037832	6.96E-10	2.38E-10	ASPHD2	2.92E+00
ENSBTAG00000001168	2.19E-10	7.33E-11	BRAP	2.99E+00
ENSBTAG00000019857	7.93E-10	2.64E-10	OTUD4	3.00E+00
ENSBTAG00000012277	4.60E-10	1.50E-10	SRRD	3.06E+00
ENSBTAG00000013326	7.02E-10	2.28E-10	ANAPC10	3.08E+00
ENSBTAG00000007047	1.68E-10	5.27E-11	FZD10	3.18E+00
ENSBTAG00000012788	1.75E-10	5.50E-11		3.18E+00
ENSBTAG00000016257	5.10E-10	1.60E-10	ZNF74	3.19E+00
ENSBTAG00000015811	3.53E-10	1.11E-10		3.18E+00
ENSBTAG00000016625	5.16E-10	1.57E-10	KIAA0922	3.29E+00
ENSBTAG00000008008	8.79E-10	2.56E-10	TLR2	3.43E+00
ENSBTAG00000003840	3.99E-10	1.14E-10	GUCY1B3	3.50E+00
ENSBTAG00000021052	2.59E-10	7.33E-11	GNB1L	3.54E+00
ENSBTAG000000035265	5.21E-10	1.46E-10	TMEM192	3.56E+00
ENSBTAG00000022022	1.19E-09	3.36E-10	GUCD1	3.55E+00
ENSBTAG00000010381	3.14E-10	8.53E-11	PRMT9	3.68E+00
ENSBTAG00000019888	2.84E-10	7.63E-11	HIRA	3.72E+00
ENSBTAG00000003092	3.63E-10	9.71E-11	ANAPC5	3.73E+00
ENSBTAG00000039325	1.29E-09	3.42E-10		3.77E+00
ENSBTAG00000046005	1.40E-10	3.53E-11		3.97E+00
ENSBTAG00000012792	1.30E-10	3.28E-11	SRSF9	3.97E+00
ENSBTAG00000016738	4.33E-10	1.07E-10	DTX1	4.04E+00
ENSBTAG00000038132	2.12E-10	4.77E-11	AIFM3	4.45E+00
ENSBTAG00000017167	2.79E-10	5.84E-11	LRAT	4.76E+00
ENSBTAG00000048129	7.41E-10	1.55E-10		4.78E+00
ENSBTAG00000017750	3.02E-10	5.99E-11	RHBDD3	5.03E+00
ENSBTAG00000018332	2.25E-10	4.26E-11	PPTC7	5.27E+00
ENSBTAG00000002813	9.12E-10	1.70E-10	GAB1	5.36E+00
ENSBTAG000000011771	6.00E-10	1.11E-10	FICD	5.40E+00
ENSBTAG00000003399	8.38E-10	1.54E-10	SMARCA5	5.44E+00
ENSBTAG00000019053	9.03E-10	1.62E-10	MAP9	5.57E+00
ENSBTAG00000019040	5.71E-10	1.02E-10	PLBD2	5.59E+00
ENSBTAG00000010464	2.16E-10	3.78E-11	MN1	5.69E+00
ENSBTAG00000011930	9.54E-10	1.59E-10	DDX54	6.00E+00
ENSBTAG00000011937	8.07E-10	1.31E-10	RITA1	6.16E+00
ENSBTAG00000005940	6.20E-10	9.86E-11	PRKAB1	6.28E+00
ENSBTAG000000022067	1.53E-10	2.41E-11	FAM216A	6.33E+00
ENSBTAG00000021245	1.59E-10	2.50E-11	SPRY1	6.34E+00
ENSBTAG00000005970	3.97E-10	6.23E-11	XBP1	6.36E+00
ENSBTAG00000017404	2.79E-10	4.32E-11		6.44E+00
ENSBTAG00000017738	1.84E-10	2.79E-11	EMID1	6.56E+00
ENSBTAG00000018330	2.01E-10	2.89E-11	RAD9B	6.94E+00
ENSBTAG00000016633	1.75E-10	2.45E-11	NPY2R	7.12E+00
ENSBTAG000000039242	7.09E-10	9.86E-11	ZNF10	7.18E+00
ENSBTAG00000015075	5.61E-10	7.60E-11	HSCB	7.37E+00
ENSBTAG00000001356	7.12E-10	9.24E-11	USP38	7.70E+00
ENSBTAG00000017277	3.45E-10	4.43E-11	RAB36	7.78E+00
ENSBTAG00000009773	1.23E-10	1.55E-11	KREMEN1	7.88E+00
ENSBTAG00000009161	5.34E-10	6.70E-11	TIGD4	7.97E+00
ENSBTAG00000008676	3.40E-10	3.66E-11	SRRM4	9.25E+00
ENSBTAG00000011924	7.04E-10	7.15E-11	CFAP73	9.83E+00
ENSBTAG000000047299	2.59E-10	2.51E-11		1.03E+01
ENSBTAG00000003557	4.47E-10	2.80E-11	CCDC117	1.59E+01
ENSBTAG00000018115	5.81E-10	2.28E-11	PEBP1	2.54E+01
ENSBTAG000000044159	1.28E-09	3.68E-11	C4orf33	3.48E+01
ENSBTAG00000009208	2.42E-10	3.75E-12	TCTN1	6.28E+01
ENSBTAG00000019880	1.22E-10	0		1.22E+03
ENSBTAG00000009110	0	0		1.00E+00
ENSBTAG00000020503	3.43E-11	0	C12orf65	3.44E+02

ENSBTAG00000008417	2.55E-10	0	VPS29	2.55E+03
ENSBTAG00000023431	1.33E-10	0		1.33E+03
ENSBTAG00000039059	1.01E-10	0	GP1BB	1.01E+03
ENSBTAG00000019516	1.53E-10	0		1.53E+03
ENSBTAG00000006656	3.33E-10	0		3.33E+03
ENSBTAG00000007564	1.16E-10	0	BBS12	1.16E+03
ENSBTAG00000046833	0	0		1.00E+00
ENSBTAG00000039023	5.23E-10	0	ZNF664	5.23E+03
ENSBTAG00000000908	8.12E-11	0	HCAR1	8.13E+02
ENSBTAG00000022039	2.26E-10	0	CMKLR1	2.26E+03
ENSBTAG00000046165	2.32E-10	0	RPL31	2.32E+03
ENSBTAG00000045955	2.85E-10	0	TSSK1B	2.85E+03
ENSBTAG00000048123	1.52E-10	0	TSSK2	1.52E+03
ENSBTAG00000047896	0	0		1.00E+00
ENSBTAG00000045665	0	0		1.00E+00
ENSBTAG00000004743	1.72E-10	0		1.72E+03
ENSBTAG00000009824	3.18E-10	0	COMMD6	3.18E+03
ENSBTAG00000012102	0	8.62E-12	TCF25	1.15E-02
ENSBTAG00000023617	0	4.34E-11		2.30E-03
ENSBTAG00000008502	0	1.06E-10		9.43E-04
ENSBTAG00000013283	0	3.29E-11	PRR19	3.03E-03
ENSBTAG00000047508	0	3.99E-10	ZNF580	2.51E-04
ENSBTAG00000027711	7.29E-11	3.91E-10	YF1B	1.87E-01
ENSBTAG00000015004	1.47E-10	7.43E-10	TBCB	1.98E-01
ENSBTAG000000009172	3.51E-11	1.62E-10	BCAT2	2.17E-01
ENSBTAG00000019461	1.16E-10	4.30E-10	NUMBL	2.69E-01
ENSBTAG00000030939	2.14E-10	7.39E-10	ZNF575	2.90E-01
ENSBTAG00000023472	1.57E-10	5.20E-10	PPP1R14A	3.02E-01
ENSBTAG00000001260	3.05E-10	1.00E-09	PINLYP	3.05E-01
ENSBTAG00000031648	1.96E-10	6.19E-10		3.17E-01
ENSBTAG00000013337	1.20E-10	3.77E-10	DHDH	3.17E-01
ENSBTAG00000039691	2.75E-11	8.67E-11		3.18E-01
ENSBTAG00000009521	2.21E-10	6.61E-10	ZNF565	3.34E-01
ENSBTAG00000000182	2.66E-10	7.26E-10	SPINT2	3.66E-01
ENSBTAG00000003465	1.32E-10	3.32E-10	ZNF329	3.97E-01
ENSBTAG00000047423	3.81E-11	9.60E-11	ERICH4	3.97E-01
ENSBTAG00000047405	9.79E-11	2.47E-10		3.96E-01
ENSBTAG00000047815	2.40E-11	6.06E-11		3.98E-01
ENSBTAG00000019787	5.78E-11	1.46E-10	PAFAH1B3	3.96E-01
ENSBTAG00000027787	2.23E-10	5.63E-10		3.96E-01
ENSBTAG00000033563	1.89E-10	4.00E-10		4.72E-01
ENSBTAG00000011963	9.78E-11	2.06E-10		4.75E-01
ENSBTAG00000009077	1.21E-10	2.48E-10	SNRPA	4.88E-01
ENSBTAG00000018882	2.49E-10	5.08E-10		4.91E-01
ENSBTAG00000007841	2.79E-10	5.54E-10	WTIP	5.04E-01
ENSBTAG00000046111	2.63E-10	4.98E-10	ZNF444	5.29E-01
ENSBTAG00000039015	3.34E-11	6.31E-11	TMEM145	5.30E-01
ENSBTAG00000003961	5.65E-11	1.07E-10	SNX20	5.29E-01
ENSBTAG00000002682	1.27E-10	2.36E-10	MARK4	5.40E-01
ENSBTAG00000004379	3.42E-10	6.11E-10	ETHE1	5.60E-01
ENSBTAG00000020756	4.40E-11	7.76E-11		5.67E-01
ENSBTAG00000006387	4.34E-11	7.66E-11	TSNAXIP1	5.67E-01
ENSBTAG00000014878	1.58E-10	2.66E-10	COX7A1	5.95E-01
ENSBTAG00000009079	5.65E-11	9.49E-11		5.95E-01
ENSBTAG00000013929	7.69E-11	1.29E-10	RRAD	5.96E-01
ENSBTAG00000015599	3.19E-10	5.17E-10	PRKD2	6.17E-01
ENSBTAG0000003886	2.71E-10	4.35E-10		6.24E-01
ENSBTAG00000045572	1.86E-10	2.93E-10	ZNF319	6.36E-01
ENSBTAG00000037983	5.15E-11	8.12E-11	CEACAM16	6.35E-01
ENSBTAG00000002639	3.54E-10	5.52E-10	ZDHHC7	6.42E-01
ENSBTAG00000019785	3.17E-11	4.89E-11		6.50E-01
ENSBTAG00000015758	1.50E-10	2.29E-10	USB1	6.55E-01
ENSBTAG00000003503	1.28E-10	1.94E-10	C16orf87	6.62E-01
ENSBTAG00000016268	8.20E-10	1.23E-09	XRCC1	6.67E-01
ENSBTAG00000000458	9.16E-11	1.36E-10	DYNC1LI2	6.74E-01
ENSBTAG00000013941	1.02E-10	1.51E-10	TANGO6	6.78E-01
ENSBTAG00000008500	1.06E-10	1.55E-10		6.81E-01
ENSBTAG00000008625	5.13E-11	7.55E-11	PLEKHF1	6.81E-01
ENSBTAG00000039635	2.06E-10	3.00E-10	CCDC97	6.88E-01
ENSBTAG00000020943	2.23E-10	3.24E-10	CTU2	6.89E-01

ENSBTAG00000002378	2.81E-10	4.06E-10	NUCB1	6.93E-01
ENSBTAG00000000080	1.89E-10	2.73E-10	GRWD1	6.93E-01
ENSBTAG000000039914	1.44E-10	2.08E-10		6.94E-01
ENSBTAG00000017718	8.15E-11	1.16E-10	CCL22	7.03E-01
ENSBTAG00000014872	2.25E-10	3.13E-10	CAPNS1	7.19E-01
ENSBTAG00000005830	2.42E-10	3.35E-10	STRN4	7.24E-01
ENSBTAG00000038326	1.00E-10	1.38E-10		7.27E-01
ENSBTAG00000002493	5.47E-10	7.43E-10	VPS35	7.37E-01
ENSBTAG00000007065	1.36E-10	1.82E-10	TRAPPC6A	7.49E-01
ENSBTAG00000015836	1.37E-10	1.83E-10		7.48E-01
ENSBTAG00000006414	1.00E-10	1.33E-10	NUTF2	7.53E-01
ENSBTAG00000037981	5.42E-10	7.20E-10		7.52E-01
ENSBTAG00000001783	4.70E-10	6.23E-10	FBXO17	7.54E-01
ENSBTAG000000009174	1.56E-10	2.07E-10	HSD17B14	7.55E-01
ENSBTAG00000030705	1.69E-10	2.23E-10	DACT3	7.59E-01
ENSBTAG00000007821	2.12E-10	2.78E-10	NPHS1	7.61E-01
ENSBTAG00000001262	6.91E-10	9.03E-10	IRGQ	7.65E-01
ENSBTAG00000006121	7.63E-10	9.92E-10	SBK2	7.69E-01
ENSBTAG00000038045	3.08E-10	3.98E-10	FLT3LG	7.73E-01
ENSBTAG00000017618	1.28E-10	1.61E-10	MAP3K10	7.93E-01
ENSBTAG000000048127	1.09E-10	1.38E-10	SPACA4	7.92E-01
ENSBTAG00000039426	1.47E-10	1.85E-10	DPEP2	7.93E-01
ENSBTAG00000018040	3.21E-11	4.04E-11		7.95E-01
ENSBTAG00000037582	2.60E-10	3.28E-10		7.93E-01
ENSBTAG000000012059	1.48E-10	1.86E-10	MVD	7.94E-01
ENSBTAG00000047691	2.52E-10	3.18E-10		7.94E-01
ENSBTAG00000014556	1.09E-10	1.37E-10	AGRP	7.96E-01
ENSBTAG00000033604	2.56E-10	3.22E-10		7.94E-01
ENSBTAG000000046690	3.70E-10	4.66E-10		7.94E-01
ENSBTAG00000001882	8.88E-11	1.12E-10	CD79A	7.93E-01
ENSBTAG00000004290	8.94E-11	1.13E-10	DDX28	7.91E-01
ENSBTAG000000013924	6.73E-11	8.48E-11	RPS11	7.94E-01
ENSBTAG000000047277	7.68E-10	9.68E-10		7.94E-01
ENSBTAG00000009078	5.72E-11	7.20E-11		7.94E-01
ENSBTAG00000000332	3.75E-11	4.73E-11	ERF	7.93E-01
ENSBTAG00000017762	1.37E-10	1.72E-10	GNG8	7.95E-01
ENSBTAG000000047128	8.13E-11	1.02E-10	IL17C	7.98E-01
ENSBTAG00000038735	8.40E-11	1.06E-10		7.93E-01
ENSBTAG00000012063	1.36E-10	1.71E-10	E2F4	7.94E-01
ENSBTAG000000047471	6.66E-11	8.39E-11		7.94E-01
ENSBTAG000000046666	7.00E-11	8.82E-11	TTC9B	7.94E-01
ENSBTAG000000047505	1.97E-10	2.48E-10	NANOS2	7.93E-01
ENSBTAG00000023734	8.37E-11	1.05E-10	PARD6A	7.97E-01
ENSBTAG000000011995	1.01E-10	1.27E-10		7.92E-01
ENSBTAG00000023562	5.95E-11	7.50E-11	KCNK6	7.94E-01
ENSBTAG00000015644	5.48E-11	6.91E-11		7.93E-01
ENSBTAG00000020429	6.97E-11	8.78E-11	MED29	7.94E-01
ENSBTAG000000039593	8.31E-11	1.05E-10	FAM98C	7.92E-01
ENSBTAG00000018398	4.70E-11	5.92E-11	GPR4	7.94E-01
ENSBTAG000000046708	1.03E-10	1.29E-10	PDP2	7.96E-01
ENSBTAG000000038711	1.05E-10	1.33E-10	TMEM91	7.93E-01
ENSBTAG000000021789	9.96E-11	1.26E-10	ZNF574	7.91E-01
ENSBTAG000000047196	1.48E-10	1.87E-10		7.94E-01
ENSBTAG00000018242	8.47E-11	1.07E-10		7.92E-01
ENSBTAG000000031687	6.56E-10	8.26E-10		7.94E-01
ENSBTAG00000006411	4.89E-11	6.16E-11	THAP11	7.94E-01
ENSBTAG00000021557	7.91E-11	9.97E-11	FUT2	7.94E-01
ENSBTAG000000011119	1.74E-10	2.19E-10		7.95E-01
ENSBTAG00000006404	2.07E-11	2.61E-11	CENPT	7.94E-01
ENSBTAG00000018593	2.48E-10	3.12E-10		7.94E-01
ENSBTAG00000013985	2.09E-10	2.64E-10	FKRP	7.92E-01
ENSBTAG00000013921	1.13E-10	1.43E-10	CKM	7.91E-01
ENSBTAG000000017993	1.38E-09	1.73E-09		7.96E-01
ENSBTAG000000031001	1.39E-10	1.75E-10	MEGF8	7.92E-01
ENSBTAG00000020781	1.56E-10	1.96E-10	SETD6	7.93E-01
ENSBTAG000000037461	1.57E-10	1.97E-10	SDHAF1	7.95E-01
ENSBTAG000000013343	1.34E-10	1.69E-10		7.94E-01
ENSBTAG00000020782	2.37E-10	2.97E-10	CNOT1	7.97E-01
ENSBTAG00000011844	9.97E-10	1.24E-09		8.04E-01
ENSBTAG00000004805	4.40E-10	5.48E-10	ITFG1	8.03E-01

ENSBTAG00000019266	5.50E-10	6.80E-10		8.09E-01
ENSBTAG00000000418	2.32E-10	2.86E-10	TOX3	8.11E-01
ENSBTAG00000047053	6.06E-10	7.41E-10		8.18E-01
ENSBTAG00000018908	1.19E-10	1.44E-10	GFOD2	8.25E-01
ENSBTAG00000015428	5.75E-10	7.01E-10		8.21E-01
ENSBTAG00000018240	4.00E-10	4.86E-10	CYP2S1	8.23E-01
ENSBTAG00000005702	2.60E-10	3.12E-10	CNGB1	8.32E-01
ENSBTAG00000038067	9.17E-10	1.10E-09		8.34E-01
ENSBTAG00000008556	1.43E-10	1.71E-10	POU2F2	8.36E-01
ENSBTAG00000023439	1.83E-09	2.18E-09		8.40E-01
ENSBTAG00000009337	7.63E-10	9.08E-10	PNMAL1	8.40E-01
ENSBTAG00000010584	4.61E-10	5.48E-10	AP2S1	8.40E-01
ENSBTAG00000005615	6.08E-10	7.22E-10	CEACAM1	8.42E-01
ENSBTAG00000027431	7.62E-10	9.05E-10	ZNF227	8.42E-01
ENSBTAG00000013697	4.02E-10	4.76E-10	CLASRP	8.44E-01
ENSBTAG00000007826	3.32E-10	3.94E-10	KIRREL2	8.43E-01
ENSBTAG00000017752	1.38E-10	1.63E-10	DYNLRB2	8.45E-01
ENSBTAG00000000195	8.51E-10	1.00E-09		8.51E-01
ENSBTAG00000018394	6.05E-10	7.13E-10	SDR42E1	8.49E-01
ENSBTAG00000000868	6.75E-10	7.95E-10	ZFP1	8.49E-01
ENSBTAG00000008084	4.85E-10	5.70E-10	ZNF382	8.50E-01
ENSBTAG00000002976	5.37E-10	6.29E-10	CD177	8.54E-01
ENSBTAG00000003168	2.13E-10	2.50E-10	HNRNPUL1	8.53E-01
ENSBTAG00000013577	1.92E-10	2.24E-10	SLC1A5	8.56E-01
ENSBTAG000000003261	2.82E-10	3.29E-10		8.56E-01
ENSBTAG00000012590	8.13E-10	9.48E-10	ACP7	8.58E-01
ENSBTAG00000022783	2.81E-10	3.28E-10		8.57E-01
ENSBTAG00000002904	2.91E-10	3.40E-10	ZNF787	8.57E-01
ENSBTAG00000006961	1.07E-09	1.24E-09	NLRP13	8.60E-01
ENSBTAG00000045507	1.49E-10	1.72E-10	ZNF469	8.64E-01
ENSBTAG00000020434	1.69E-10	1.96E-10		8.65E-01
ENSBTAG00000014996	6.25E-10	7.22E-10	WDR62	8.65E-01
ENSBTAG00000030667	2.93E-10	3.40E-10	CCDC114	8.63E-01
ENSBTAG00000030933	3.93E-10	4.54E-10	ZNF576	8.66E-01
ENSBTAG00000017872	4.25E-10	4.91E-10	ZNF304	8.66E-01
ENSBTAG00000015677	5.54E-10	6.37E-10	KARS	8.69E-01
ENSBTAG00000007036	4.24E-10	4.88E-10	SLC17A7	8.69E-01
ENSBTAG00000015432	4.32E-10	4.94E-10		8.74E-01
ENSBTAG00000019884	5.96E-10	6.82E-10	PKD1L3	8.74E-01
ENSBTAG00000011617	1.76E-10	2.02E-10	MAMSTR	8.72E-01
ENSBTAG00000047307	1.33E-09	1.53E-09	IFNL3	8.72E-01
ENSBTAG00000015543	3.19E-10	3.65E-10	ARHGAP35	8.74E-01
ENSBTAG00000020944	3.37E-10	3.84E-10	PIEZO1	8.79E-01
ENSBTAG00000003166	2.61E-10	2.97E-10	AXL	8.80E-01
ENSBTAG00000015427	4.28E-10	4.85E-10	CFDP1	8.82E-01
ENSBTAG00000030348	4.31E-10	4.88E-10		8.83E-01
ENSBTAG00000012915	3.57E-10	4.04E-10	ZNF404	8.82E-01
ENSBTAG00000000621	2.87E-10	3.24E-10	CATSPERG	8.85E-01
ENSBTAG00000014818	6.99E-10	7.89E-10	MYLK3	8.85E-01
ENSBTAG00000011164	7.78E-10	8.76E-10	CES5A	8.88E-01
ENSBTAG00000019462	1.71E-10	1.92E-10	COQ8B	8.93E-01
ENSBTAG00000009460	6.76E-10	7.59E-10	ZNF550	8.90E-01
ENSBTAG00000030882	3.26E-10	3.65E-10		8.93E-01
ENSBTAG00000039453	1.71E-10	1.91E-10		8.95E-01
ENSBTAG00000000336	2.57E-09	2.88E-09		8.93E-01
ENSBTAG00000020457	1.49E-10	1.66E-10	TGFB1	8.97E-01
ENSBTAG00000002573	1.84E-10	2.05E-10	UBA2	8.99E-01
ENSBTAG00000005170	4.61E-10	5.15E-10	ADGRG5	8.96E-01
ENSBTAG00000010480	4.05E-10	4.52E-10	TIMM50	8.96E-01
ENSBTAG00000007170	1.22E-10	1.36E-10	SLC38A7	8.98E-01
ENSBTAG00000040318	3.38E-10	3.74E-10		9.03E-01
ENSBTAG00000006999	4.28E-10	4.74E-10	RYR1	9.04E-01
ENSBTAG00000001872	1.57E-10	1.74E-10	ORC6	9.05E-01
ENSBTAG00000009805	4.54E-10	5.02E-10		9.04E-01
ENSBTAG00000021570	7.48E-11	8.25E-11	PLEKHG4	9.07E-01
ENSBTAG00000013702	1.76E-10	1.94E-10	ZNF296	9.09E-01
ENSBTAG00000009872	1.81E-10	1.99E-10	SPHK2	9.08E-01
ENSBTAG00000032763	1.07E-10	1.18E-10	RANBP10	9.09E-01
ENSBTAG00000019272	3.63E-10	4.00E-10	LPCAT2	9.08E-01
ENSBTAG00000012131	8.67E-10	9.55E-10		9.08E-01

ENSBTAG00000018771	5.98E-10	6.59E-10	DNAAF1	9.07E-01
ENSBTAG00000011036	3.36E-10	3.70E-10	CEACAM20	9.09E-01
ENSBTAG00000013175	2.58E-10	2.84E-10	KIAA0355	9.10E-01
ENSBTAG00000010467	4.61E-10	5.06E-10	SUPT5H	9.11E-01
ENSBTAG00000031686	1.29E-10	1.41E-10	ZNF566	9.15E-01
ENSBTAG00000038706	6.08E-10	6.63E-10		9.17E-01
ENSBTAG00000018599	5.95E-10	6.49E-10		9.16E-01
ENSBTAG00000015001	6.63E-10	7.23E-10	OVOL3	9.17E-01
ENSBTAG00000032576	7.07E-10	7.70E-10	CMTM2	9.19E-01
ENSBTAG00000011619	1.75E-10	1.90E-10	RASIP1	9.19E-01
ENSBTAG00000038134	1.74E-10	1.90E-10	ZDHHC1	9.18E-01
ENSBTAG00000020074	2.35E-10	2.56E-10	NKPD1	9.18E-01
ENSBTAG00000009428	8.14E-10	8.85E-10	GAN	9.20E-01
ENSBTAG00000010868	3.62E-10	3.94E-10	SIAH1	9.19E-01
ENSBTAG00000039946	3.10E-10	3.37E-10		9.19E-01
ENSBTAG00000021185	4.07E-10	4.42E-10	CRX	9.20E-01
ENSBTAG00000019273	1.08E-10	1.17E-10	DMRTC2	9.26E-01
ENSBTAG00000021799	1.36E-10	1.47E-10	RCN3	9.26E-01
ENSBTAG0000001834	1.16E-10	1.25E-10	PNKP	9.25E-01
ENSBTAG0000002635	2.78E-10	3.00E-10	PGLYRP1	9.28E-01
ENSBTAG00000018770	3.42E-10	3.69E-10	HSDL1	9.27E-01
ENSBTAG00000032018	1.65E-10	1.77E-10		9.31E-01
ENSBTAG0000001286	1.27E-10	1.37E-10	ELMO3	9.26E-01
ENSBTAG0000003894	2.42E-10	2.60E-10	NDRG4	9.29E-01
ENSBTAG00000002398	6.43E-10	6.91E-10	ZNF567	9.31E-01
ENSBTAG00000015686	3.40E-10	3.65E-10	TERF2IP	9.31E-01
ENSBTAG00000017009	2.72E-10	2.92E-10		9.33E-01
ENSBTAG00000009305	3.39E-10	3.64E-10	ANKRD27	9.32E-01
ENSBTAG00000038322	5.64E-10	6.01E-10		9.39E-01
ENSBTAG00000004806	3.37E-10	3.58E-10	PHKB	9.40E-01
ENSBTAG00000001595	7.96E-10	8.47E-10		9.39E-01
ENSBTAG00000001400	1.49E-10	1.59E-10	AKT2	9.40E-01
ENSBTAG00000007544	1.06E-10	1.12E-10	MARVELD3	9.47E-01
ENSBTAG00000012064	7.02E-10	7.45E-10	ZNF473	9.42E-01
ENSBTAG00000048021	8.02E-10	8.50E-10		9.44E-01
ENSBTAG00000009177	1.75E-10	1.85E-10	PLEKHA4	9.45E-01
ENSBTAG00000003895	2.94E-10	3.11E-10	CYBA	9.47E-01
ENSBTAG00000023453	3.78E-10	3.99E-10	C19orf54	9.48E-01
ENSBTAG00000018425	3.19E-10	3.37E-10	PSMD7	9.46E-01
ENSBTAG00000003353	3.06E-10	3.23E-10	SLC6A2	9.49E-01
ENSBTAG00000026263	3.97E-10	4.19E-10	ZNF45	9.48E-01
ENSBTAG00000045803	1.08E-09	1.14E-09		9.51E-01
ENSBTAG00000047473	9.03E-10	9.49E-10		9.51E-01
ENSBTAG00000000639	1.78E-10	1.86E-10	APRT	9.55E-01
ENSBTAG00000010483	2.77E-10	2.91E-10	DLL3	9.52E-01
ENSBTAG00000007942	2.97E-10	3.12E-10		9.53E-01
ENSBTAG00000005685	8.61E-11	9.04E-11	HSD11B2	9.53E-01
ENSBTAG000000044192	4.35E-10	4.56E-10	MAF	9.53E-01
ENSBTAG00000012002	2.05E-10	2.15E-10	BCAR1	9.53E-01
ENSBTAG00000018507	2.19E-10	2.30E-10		9.51E-01
ENSBTAG00000015984	1.08E-10	1.13E-10	CADM4	9.52E-01
ENSBTAG00000045985	6.63E-10	6.92E-10		9.58E-01
ENSBTAG00000004138	2.79E-10	2.91E-10	GLTSCR1	9.58E-01
ENSBTAG00000003272	2.67E-10	2.78E-10		9.59E-01
ENSBTAG00000013247	6.78E-10	7.07E-10	NLRP5	9.59E-01
ENSBTAG00000008720	3.64E-10	3.79E-10	C18H16orf78	9.62E-01
ENSBTAG00000016079	2.31E-10	2.40E-10	COX4I1	9.62E-01
ENSBTAG00000004017	1.36E-10	1.41E-10	PLEKHG2	9.64E-01
ENSBTAG00000006965	8.51E-10	8.84E-10	NLRP8	9.62E-01
ENSBTAG00000031641	5.49E-10	5.70E-10	PSMD8	9.64E-01
ENSBTAG00000013353	4.02E-10	4.17E-10	ZNF274	9.64E-01
ENSBTAG00000005058	2.02E-10	2.10E-10	C16orf70	9.60E-01
ENSBTAG00000010858	4.22E-10	4.36E-10	ABCC11	9.68E-01
ENSBTAG00000037581	1.98E-10	2.04E-10	MZF1	9.71E-01
ENSBTAG00000000462	3.39E-10	3.50E-10	CCDC102A	9.67E-01
ENSBTAG00000009889	1.44E-10	1.49E-10		9.69E-01
ENSBTAG00000016313	3.95E-10	4.07E-10	ECH1	9.71E-01
ENSBTAG00000039081	6.09E-10	6.27E-10		9.72E-01
ENSBTAG00000016103	3.06E-10	3.14E-10	CBBF	9.73E-01
ENSBTAG00000018834	1.28E-10	1.32E-10	PPP1R37	9.73E-01



ENSBTAG00000016526	3.81E-10	3.91E-10	PIH1D1	9.75E-01
ENSBTAG00000016997	6.45E-10	6.60E-10		9.77E-01
ENSBTAG00000015915	7.62E-10	7.81E-10	SBSN	9.76E-01
ENSBTAG00000013125	4.95E-10	5.06E-10	PLAUR	9.78E-01
ENSBTAG00000010123	4.89E-10	5.01E-10	APOE	9.77E-01
ENSBTAG00000046961	1.66E-09	1.69E-09		9.79E-01
ENSBTAG00000012919	3.88E-10	3.96E-10	MMP15	9.79E-01
ENSBTAG00000046749	4.17E-10	4.25E-10		9.81E-01
ENSBTAG00000010878	3.29E-10	3.33E-10	HYDIN	9.87E-01
ENSBTAG00000038951	7.44E-10	7.54E-10	ZNF461	9.87E-01
ENSBTAG00000012744	1.29E-10	1.30E-10	UBE2M	9.90E-01
ENSBTAG00000003514	1.73E-10	1.74E-10	HSF4	9.91E-01
ENSBTAG00000001666	1.48E-10	1.49E-10	NIP7	9.92E-01
ENSBTAG00000001665	1.19E-10	1.20E-10		9.90E-01
ENSBTAG00000008614	3.96E-10	4.00E-10	CCDC155	9.90E-01
ENSBTAG00000007336	3.17E-10	3.19E-10	HCST	9.94E-01
ENSBTAG00000018013	1.89E-10	1.90E-10	EMP3	9.94E-01
ENSBTAG00000006779	1.57E-10	1.58E-10	LDHD	9.93E-01
ENSBTAG00000005296	2.33E-10	2.34E-10		9.94E-01
ENSBTAG00000003234	3.45E-10	3.47E-10	HSD17B2	9.95E-01
ENSBTAG00000014585	1.86E-10	1.87E-10	PTGIR	9.92E-01
ENSBTAG00000018906	2.28E-10	2.30E-10	C18H16orf86	9.92E-01
ENSBTAG00000007488	3.99E-10	4.00E-10	ZFP90	9.97E-01
ENSBTAG00000012985	4.95E-10	4.97E-10	FUK	9.97E-01
ENSBTAG00000010151	3.77E-10	3.78E-10	CA5A	9.99E-01
ENSBTAG00000005819	5.40E-10	5.42E-10	CCDC61	9.97E-01
ENSBTAG00000007262	4.08E-10	4.09E-10	ZNF536	9.97E-01
ENSBTAG00000009304	4.76E-10	4.76E-10	PDCD5	1.00E+00
ENSBTAG00000018037	1.51E-10	1.51E-10	PSKH1	1.00E+00
ENSBTAG00000003456	7.56E-10	7.54E-10	ZNF606	1.00E+00
ENSBTAG00000023780	7.52E-10	7.46E-10	SYCE1L	1.01E+00
ENSBTAG00000040000	6.80E-10	6.74E-10		1.01E+00
ENSBTAG000000037537	8.77E-10	8.70E-10		1.01E+00
ENSBTAG000000031772	1.17E-09	1.16E-09	PRODH2	1.01E+00
ENSBTAG00000039932	5.40E-10	5.34E-10		1.01E+00
ENSBTAG000000032092	2.43E-10	2.40E-10	CDH11	1.01E+00
ENSBTAG00000019678	4.57E-10	4.50E-10	ALKBH6	1.02E+00
ENSBTAG00000019520	1.56E-10	1.53E-10	ZC3H18	1.02E+00
ENSBTAG00000002233	2.17E-10	2.13E-10	CPNE2	1.02E+00
ENSBTAG000000019674	1.53E-10	1.51E-10	CLIP3	1.02E+00
ENSBTAG000000037375	6.22E-10	6.10E-10		1.02E+00
ENSBTAG00000013340	1.77E-10	1.73E-10	BAX	1.02E+00
ENSBTAG00000020889	8.16E-11	7.99E-11	CA7	1.02E+00
ENSBTAG000000005761	9.71E-11	9.51E-11	DEDD2	1.02E+00
ENSBTAG00000020872	2.16E-10	2.12E-10	C5AR1	1.02E+00
ENSBTAG00000046851	9.31E-10	9.11E-10		1.02E+00
ENSBTAG000000019938	2.63E-10	2.57E-10	N4BP1	1.02E+00
ENSBTAG000000018225	3.37E-10	3.28E-10	SIP1L3	1.03E+00
ENSBTAG00000007714	1.08E-09	1.05E-09	ZNF235	1.03E+00
ENSBTAG00000008385	4.01E-10	3.90E-10	KLHL36	1.03E+00
ENSBTAG00000008902	5.01E-10	4.86E-10	ZNF850	1.03E+00
ENSBTAG00000020942	3.84E-10	3.72E-10	RNF166	1.03E+00
ENSBTAG00000013157	2.50E-10	2.41E-10	NOVA2	1.04E+00
ENSBTAG00000014923	4.47E-10	4.31E-10	BBS2	1.04E+00
ENSBTAG00000006550	2.44E-10	2.36E-10	GABARAPL2	1.04E+00
ENSBTAG00000023452	1.84E-10	1.77E-10	B9D2	1.04E+00
ENSBTAG00000017824	2.88E-10	2.77E-10	IRF8	1.04E+00
ENSBTAG00000038715	4.18E-10	4.02E-10		1.04E+00
ENSBTAG000000005527	1.69E-10	1.62E-10	GIPR	1.04E+00
ENSBTAG000000021176	1.38E-10	1.32E-10	CRISPLD2	1.05E+00
ENSBTAG00000001010	5.07E-10	4.83E-10	ADAMTS18	1.05E+00
ENSBTAG000000002571	1.48E-10	1.42E-10		1.04E+00
ENSBTAG000000011815	1.14E-09	1.09E-09	SMG9	1.04E+00
ENSBTAG00000009171	1.84E-09	1.75E-09		1.05E+00
ENSBTAG00000001851	3.41E-10	3.24E-10		1.05E+00
ENSBTAG00000006396	1.90E-10	1.80E-10	GPI	1.05E+00
ENSBTAG000000012508	6.28E-10	5.95E-10	OSGIN1	1.06E+00
ENSBTAG000000021093	1.33E-10	1.26E-10	RPS16	1.05E+00
ENSBTAG00000006422	1.61E-10	1.52E-10	TRIM28	1.06E+00
ENSBTAG00000009785	1.08E-10	1.02E-10	SAMD4B	1.06E+00

ENSBTAG00000034185	1.49E-10	1.40E-10		1.06E+00
ENSBTAG00000006757	5.23E-11	4.94E-11	CA11	1.06E+00
ENSBTAG00000001838	1.70E-10	1.61E-10	LRRC36	1.06E+00
ENSBTAG00000038947	4.50E-10	4.25E-10	ZSCAN4	1.06E+00
ENSBTAG00000017678	5.77E-11	5.45E-11	SPRED3	1.06E+00
ENSBTAG00000019822	9.16E-11	8.65E-11	TPPP3	1.06E+00
ENSBTAG00000006998	9.59E-11	9.06E-11	RASGRP4	1.06E+00
ENSBTAG00000003267	1.80E-10	1.70E-10	ZNF132	1.06E+00
ENSBTAG00000007559	2.63E-10	2.48E-10	URI1	1.06E+00
ENSBTAG000000048177	1.42E-10	1.34E-10		1.06E+00
ENSBTAG00000014553	1.34E-10	1.27E-10	ATP6V0D1	1.06E+00
ENSBTAG00000023349	1.08E-09	1.02E-09		1.06E+00
ENSBTAG00000018421	2.77E-10	2.60E-10	WWP2	1.07E+00
ENSBTAG00000030403	4.42E-10	4.14E-10	ZNF579	1.07E+00
ENSBTAG00000008932	4.83E-10	4.52E-10	SHISA7	1.07E+00
ENSBTAG00000017397	4.29E-10	3.98E-10	ZNF423	1.08E+00
ENSBTAG000000047616	1.08E-09	1.00E-09	ZNF114	1.08E+00
ENSBTAG00000020415	4.14E-10	3.84E-10	KLK4	1.08E+00
ENSBTAG00000034373	5.66E-10	5.24E-10	CDH13	1.08E+00
ENSBTAG00000037735	2.59E-10	2.40E-10	C5AR2	1.08E+00
ENSBTAG00000006353	3.33E-10	3.07E-10	TXNL4B	1.08E+00
ENSBTAG00000012785	2.97E-10	2.73E-10	TEPP	1.09E+00
ENSBTAG00000007181	6.14E-10	5.65E-10	KIFC3	1.09E+00
ENSBTAG000000032396	1.66E-10	1.53E-10	KCTD19	1.09E+00
ENSBTAG00000003642	6.27E-10	5.76E-10		1.09E+00
ENSBTAG00000004864	4.39E-10	4.03E-10	CEP89	1.09E+00
ENSBTAG00000020714	9.21E-10	8.45E-10	DDX19B	1.09E+00
ENSBTAG00000009895	1.89E-10	1.73E-10	ZNF599	1.09E+00
ENSBTAG00000023434	2.02E-10	1.85E-10		1.09E+00
ENSBTAG00000046087	3.30E-10	3.02E-10		1.09E+00
ENSBTAG00000015950	6.17E-10	5.66E-10	ISOC2	1.09E+00
ENSBTAG00000014123	2.01E-10	1.84E-10	ZNF507	1.09E+00
ENSBTAG000000046323	1.39E-09	1.27E-09		1.09E+00
ENSBTAG00000002303	7.82E-10	7.13E-10	GLG1	1.10E+00
ENSBTAG00000013524	5.14E-10	4.69E-10	CMIP	1.10E+00
ENSBTAG00000010207	3.65E-10	3.33E-10	NUDT21	1.10E+00
ENSBTAG00000003462	8.54E-10	7.77E-10		1.10E+00
ENSBTAG00000021192	1.71E-10	1.55E-10	GLTSCR2	1.10E+00
ENSBTAG00000019087	2.49E-10	2.26E-10		1.10E+00
ENSBTAG000000038926	5.29E-10	4.79E-10		1.10E+00
ENSBTAG00000019465	3.32E-10	3.00E-10	ITPKC	1.11E+00
ENSBTAG00000007172	1.11E-10	1.00E-10	GOT2	1.11E+00
ENSBTAG00000002980	8.95E-10	8.08E-10	GPT2	1.11E+00
ENSBTAG000000048005	3.04E-10	2.75E-10		1.11E+00
ENSBTAG00000001287	8.70E-11	7.83E-11		1.11E+00
ENSBTAG00000008573	8.29E-11	7.46E-11	ZFP36	1.11E+00
ENSBTAG000000030454	4.18E-10	3.76E-10		1.11E+00
ENSBTAG000000001854	8.98E-11	8.08E-11	CIAPIN1	1.11E+00
ENSBTAG00000006754	7.91E-11	7.12E-11	DBP	1.11E+00
ENSBTAG000000039190	9.41E-11	8.47E-11	SLC9A5	1.11E+00
ENSBTAG000000047602	1.33E-09	1.19E-09		1.12E+00
ENSBTAG00000018904	1.67E-10	1.50E-10	ENKD1	1.11E+00
ENSBTAG00000002214	2.66E-10	2.39E-10	TAT	1.11E+00
ENSBTAG00000003519	3.19E-10	2.87E-10	NOL3	1.11E+00
ENSBTAG000000014597	2.87E-10	2.57E-10	C19orf68	1.12E+00
ENSBTAG00000018652	8.62E-10	7.69E-10	CXCL17	1.12E+00
ENSBTAG00000030578	1.84E-10	1.64E-10	PTOV1	1.12E+00
ENSBTAG00000001852	2.60E-10	2.31E-10		1.13E+00
ENSBTAG000000009211	3.59E-10	3.19E-10	UBE2S	1.13E+00
ENSBTAG000000046451	3.69E-10	3.28E-10		1.13E+00
ENSBTAG00000040086	1.64E-10	1.44E-10	SLC38A8	1.14E+00
ENSBTAG00000010046	9.41E-10	8.32E-10		1.13E+00
ENSBTAG000000003570	9.10E-10	8.04E-10	DDX19A	1.13E+00
ENSBTAG00000023632	2.07E-10	1.83E-10		1.13E+00
ENSBTAG00000011215	2.22E-10	1.96E-10	ACTN4	1.13E+00
ENSBTAG000000040356	1.63E-10	1.44E-10	SPIRE2	1.13E+00
ENSBTAG00000018903	1.40E-10	1.23E-10	ACD	1.13E+00
ENSBTAG000000034283	5.66E-10	4.97E-10	ADAD2	1.14E+00
ENSBTAG000000046786	7.41E-10	6.50E-10	UQCRFS1	1.14E+00
ENSBTAG000000047236	1.13E-09	9.90E-10		1.15E+00

ENSBTAG00000021575	2.15E-10	1.89E-10	BRD7	1.14E+00
ENSBTAG00000038797	1.09E-09	9.51E-10		1.14E+00
ENSBTAG00000044132	1.89E-10	1.65E-10	NTN5	1.14E+00
ENSBTAG00000015669	2.66E-10	2.32E-10	ADAT1	1.15E+00
ENSBTAG00000012642	1.79E-10	1.56E-10	TRADD	1.15E+00
ENSBTAG00000014995	1.69E-10	1.47E-10	THAP8	1.15E+00
ENSBTAG00000021191	2.11E-10	1.83E-10	EHD2	1.15E+00
ENSBTAG00000004377	8.01E-10	6.95E-10	PHLDB3	1.15E+00
ENSBTAG00000015576	3.15E-10	2.73E-10	NPAS1	1.15E+00
ENSBTAG00000014644	1.23E-10	1.06E-10	DUS2	1.16E+00
ENSBTAG00000007512	9.50E-11	8.22E-11	PLA2G15	1.16E+00
ENSBTAG00000017112	4.40E-10	3.81E-10	CDYL2	1.15E+00
ENSBTAG00000046291	1.31E-10	1.14E-10	FAM83E	1.15E+00
ENSBTAG00000026080	1.19E-09	1.03E-09		1.16E+00
ENSBTAG00000010132	1.20E-10	1.03E-10	NAE1	1.16E+00
ENSBTAG00000004588	6.09E-10	5.26E-10	KCNN4	1.16E+00
ENSBTAG00000040063	2.11E-10	1.82E-10	ZNF585B	1.16E+00
ENSBTAG00000009714	2.68E-10	2.31E-10	ARHGAP33	1.16E+00
ENSBTAG00000045581	9.30E-10	8.01E-10		1.16E+00
ENSBTAG00000012446	1.31E-10	1.12E-10	MTHFSD	1.17E+00
ENSBTAG00000006221	2.95E-10	2.52E-10	ADGRG3	1.17E+00
ENSBTAG00000023419	3.03E-10	2.58E-10		1.17E+00
ENSBTAG00000006611	1.48E-10	1.25E-10	NUP93	1.18E+00
ENSBTAG00000014328	1.33E-09	1.13E-09		1.18E+00
ENSBTAG00000011621	1.66E-10	1.39E-10	IZUMO1	1.19E+00
ENSBTAG00000005363	1.67E-10	1.40E-10	GGN	1.19E+00
ENSBTAG00000010668	7.16E-11	6.01E-11	GEMIN7	1.19E+00
ENSBTAG00000038986	2.59E-10	2.17E-10		1.19E+00
ENSBTAG00000009449	1.02E-10	8.53E-11	ATP5SL	1.19E+00
ENSBTAG00000047367	3.22E-10	2.70E-10	CMTR2	1.19E+00
ENSBTAG00000020835	1.45E-10	1.22E-10	KIAA0513	1.19E+00
ENSBTAG00000037595	1.93E-10	1.62E-10		1.19E+00
ENSBTAG00000001663	2.67E-10	2.24E-10	PDF	1.19E+00
ENSBTAG00000010403	2.61E-10	2.19E-10	FAAP24	1.19E+00
ENSBTAG00000047937	3.14E-10	2.64E-10		1.19E+00
ENSBTAG00000040067	2.56E-10	2.15E-10	HIPK4	1.19E+00
ENSBTAG00000039969	2.12E-10	1.78E-10		1.19E+00
ENSBTAG00000013338	7.61E-10	6.38E-10	SLC7A9	1.19E+00
ENSBTAG00000006888	1.70E-09	1.42E-09		1.20E+00
ENSBTAG00000008777	1.13E-09	9.46E-10		1.19E+00
ENSBTAG00000038141	5.71E-10	4.74E-10		1.20E+00
ENSBTAG00000012016	1.87E-10	1.55E-10	LMTK3	1.21E+00
ENSBTAG00000016243	1.92E-10	1.59E-10	RBL2	1.21E+00
ENSBTAG00000040209	2.17E-10	1.78E-10	ZNF112	1.22E+00
ENSBTAG00000036215	8.56E-10	7.03E-10		1.22E+00
ENSBTAG00000012522	5.43E-10	4.46E-10	ZNF283	1.22E+00
ENSBTAG00000032427	1.32E-10	1.09E-10	FHOD1	1.21E+00
ENSBTAG00000015866	9.43E-10	7.73E-10	ZNF211	1.22E+00
ENSBTAG00000016777	5.25E-10	4.29E-10	TEX101	1.22E+00
ENSBTAG00000006859	1.51E-09	1.23E-09		1.22E+00
ENSBTAG00000013784	2.39E-10	1.94E-10	CSNK2A2	1.23E+00
ENSBTAG00000012101	7.56E-10	6.13E-10	SYMPK	1.23E+00
ENSBTAG00000018912	3.70E-10	3.00E-10	ARHGEF1	1.23E+00
ENSBTAG00000013106	6.71E-10	5.44E-10	C19orf81	1.23E+00
ENSBTAG00000003264	1.73E-10	1.40E-10	NR1H2	1.23E+00
ENSBTAG00000010501	1.85E-10	1.48E-10	SELENOV	1.25E+00
ENSBTAG00000013265	4.37E-10	3.50E-10	DHX38	1.25E+00
ENSBTAG00000007107	3.41E-10	2.73E-10	TMEM143	1.25E+00
ENSBTAG00000011421	5.33E-10	4.26E-10	CD37	1.25E+00
ENSBTAG00000016695	3.38E-10	2.70E-10	KCNG4	1.25E+00
ENSBTAG00000013345	1.65E-09	1.31E-09		1.26E+00
ENSBTAG00000046996	6.12E-10	4.87E-10	EPN1	1.26E+00
ENSBTAG00000004043	5.10E-10	4.05E-10		1.26E+00
ENSBTAG00000023464	3.46E-10	2.75E-10		1.26E+00
ENSBTAG00000003457	1.64E-10	1.29E-10	ATF5	1.27E+00
ENSBTAG00000015388	1.74E-10	1.37E-10	RPL18	1.27E+00
ENSBTAG00000012501	3.68E-10	2.90E-10	FTO	1.27E+00
ENSBTAG00000013958	2.25E-10	1.77E-10	PAK4	1.27E+00
ENSBTAG00000045571	5.48E-10	4.31E-10		1.27E+00
ENSBTAG00000001857	1.67E-10	1.32E-10	DOK4	1.27E+00

ENSBTAG00000037710	1.01E-09	7.92E-10		1.27E+00
ENSBTAG00000018045	7.88E-11	6.14E-11	SLC12A4	1.28E+00
ENSBTAG00000000472	2.59E-10	2.01E-10	ZNF570	1.29E+00
ENSBTAG00000010170	1.39E-10	1.08E-10	MBTPS1	1.29E+00
ENSBTAG00000013239	3.18E-10	2.47E-10	CAPN12	1.29E+00
ENSBTAG00000005413	3.55E-10	2.75E-10	NLRC5	1.29E+00
ENSBTAG00000014296	2.38E-10	1.84E-10	NCCRP1	1.29E+00
ENSBTAG00000019184	2.71E-10	2.10E-10	TRAPPC2L	1.29E+00
ENSBTAG00000012295	2.46E-10	1.91E-10	NKD1	1.29E+00
ENSBTAG00000016075	1.25E-10	9.65E-11	EMC8	1.30E+00
ENSBTAG00000015894	4.75E-10	3.66E-10	WVOX	1.30E+00
ENSBTAG00000016312	5.80E-10	4.47E-10	LGALS4	1.30E+00
ENSBTAG00000019547	1.45E-09	1.11E-09		1.30E+00
ENSBTAG00000012988	6.92E-10	5.32E-10	COG4	1.30E+00
ENSBTAG00000006780	4.02E-10	3.09E-10	NAPSA	1.30E+00
ENSBTAG00000045731	5.12E-10	3.94E-10		1.30E+00
ENSBTAG00000000153	2.75E-10	2.10E-10	LRFN3	1.31E+00
ENSBTAG00000008518	2.41E-10	1.85E-10	MED25	1.30E+00
ENSBTAG00000014514	1.74E-10	1.33E-10		1.31E+00
ENSBTAG00000039215	1.47E-09	1.12E-09		1.31E+00
ENSBTAG00000008005	4.15E-10	3.17E-10	DRC7	1.31E+00
ENSBTAG00000045598	7.49E-10	5.72E-10		1.31E+00
ENSBTAG00000003089	3.72E-10	2.83E-10	RHPN2	1.31E+00
ENSBTAG00000021742	2.12E-10	1.61E-10	ZNF568	1.32E+00
ENSBTAG00000006805	2.33E-10	1.77E-10	ZNF180	1.32E+00
ENSBTAG00000021657	8.70E-10	6.62E-10	CACNG6	1.31E+00
ENSBTAG00000013791	8.16E-10	6.19E-10		1.32E+00
ENSBTAG00000003231	1.05E-09	7.97E-10	LIM2	1.32E+00
ENSBTAG00000017528	1.46E-10	1.10E-10	SNAI3	1.32E+00
ENSBTAG00000031004	1.82E-10	1.37E-10	CNFN	1.33E+00
ENSBTAG00000003521	2.14E-10	1.62E-10	KIAA0895L	1.32E+00
ENSBTAG00000001855	1.72E-10	1.30E-10	COQ9	1.32E+00
ENSBTAG00000001075	2.07E-10	1.57E-10	CALB2	1.32E+00
ENSBTAG00000017996	5.32E-11	4.02E-11		1.32E+00
ENSBTAG00000000009	1.38E-10	1.04E-10	FOXF1	1.32E+00
ENSBTAG00000007216	9.35E-11	7.06E-11	DPF1	1.32E+00
ENSBTAG00000023659	4.24E-10	3.20E-10		1.33E+00
ENSBTAG00000013874	2.79E-10	2.11E-10	CFAP20	1.32E+00
ENSBTAG00000048261	4.45E-10	3.36E-10		1.32E+00
ENSBTAG000000018598	3.26E-10	2.46E-10	HSPB6	1.32E+00
ENSBTAG00000038125	1.22E-09	9.19E-10		1.33E+00
ENSBTAG00000018594	4.16E-10	3.14E-10	LIN37	1.33E+00
ENSBTAG00000045737	1.89E-10	1.43E-10		1.32E+00
ENSBTAG00000040550	9.11E-10	6.86E-10		1.33E+00
ENSBTAG00000040169	9.31E-10	6.98E-10		1.33E+00
ENSBTAG00000019227	1.59E-09	1.19E-09		1.34E+00
ENSBTAG00000004568	2.27E-10	1.70E-10	GALNS	1.34E+00
ENSBTAG00000002103	4.73E-10	3.54E-10	PLCG2	1.34E+00
ENSBTAG00000019883	3.13E-10	2.33E-10	IST1	1.34E+00
ENSBTAG00000023369	2.84E-10	2.11E-10	GRIN2D	1.34E+00
ENSBTAG00000034090	7.38E-10	5.48E-10		1.35E+00
ENSBTAG00000015917	4.07E-10	3.03E-10	GAPDHS	1.34E+00
ENSBTAG00000023745	2.46E-10	1.82E-10	BANP	1.35E+00
ENSBTAG00000039413	2.12E-09	1.57E-09		1.35E+00
ENSBTAG00000023374	3.49E-10	2.59E-10	FUT1	1.35E+00
ENSBTAG00000023611	3.85E-10	2.85E-10	ZBTB32	1.35E+00
ENSBTAG00000047670	4.16E-10	3.07E-10	CHST8	1.36E+00
ENSBTAG00000030885	5.57E-10	4.10E-10	SSC5D	1.36E+00
ENSBTAG00000000330	3.58E-10	2.63E-10	ALDH16A1	1.36E+00
ENSBTAG00000019605	3.24E-10	2.37E-10	OPA3	1.36E+00
ENSBTAG00000008213	2.68E-10	1.96E-10	ATMIN	1.37E+00
ENSBTAG00000001780	1.72E-10	1.25E-10		1.38E+00
ENSBTAG00000006731	4.91E-10	3.59E-10	SLC7A5	1.37E+00
ENSBTAG00000015766	9.20E-11	6.71E-11	ZFPM1	1.37E+00
ENSBTAG00000039958	1.87E-10	1.36E-10	GYS1	1.38E+00
ENSBTAG00000039892	4.54E-10	3.31E-10		1.37E+00
ENSBTAG00000002287	1.67E-10	1.21E-10	CHD9	1.38E+00
ENSBTAG00000014144	2.98E-10	2.17E-10	CCDC113	1.37E+00
ENSBTAG00000001848	3.58E-10	2.60E-10	KATNB1	1.38E+00
ENSBTAG00000036224	1.68E-09	1.22E-09		1.37E+00

ENSBTAG00000006848	2.54E-10	1.84E-10	DHX34	1.38E+00
ENSBTAG00000003871	1.59E-10	1.15E-10	CYP2B6	1.38E+00
ENSBTAG000000030470	7.58E-10	5.48E-10		1.38E+00
ENSBTAG00000013926	1.86E-10	1.34E-10	FCGRT	1.39E+00
ENSBTAG00000038534	1.35E-10	9.70E-11	ZNF446	1.39E+00
ENSBTAG00000038022	4.23E-10	3.04E-10		1.39E+00
ENSBTAG00000020556	4.84E-10	3.48E-10	APOC4	1.39E+00
ENSBTAG00000015579	2.35E-10	1.69E-10	TMEM160	1.39E+00
ENSBTAG00000011262	1.10E-10	7.89E-11	ZNF548	1.39E+00
ENSBTAG00000013105	9.17E-10	6.55E-10	SYT3	1.40E+00
ENSBTAG00000006208	3.40E-10	2.42E-10	ADCY7	1.40E+00
ENSBTAG00000005152	2.78E-10	1.98E-10	TK2	1.40E+00
ENSBTAG00000016640	4.83E-10	3.43E-10	HEATR3	1.41E+00
ENSBTAG00000006417	1.19E-10	8.41E-11	EDC4	1.41E+00
ENSBTAG00000004757	9.09E-11	6.44E-11	LTBP4	1.41E+00
ENSBTAG00000007334	3.17E-10	2.24E-10	NFKBID	1.41E+00
ENSBTAG00000020236	4.01E-10	2.83E-10	NECAB2	1.42E+00
ENSBTAG00000045708	2.71E-10	1.91E-10	MYPOP	1.42E+00
ENSBTAG00000011635	1.15E-10	8.03E-11	CENPN	1.43E+00
ENSBTAG00000004375	1.24E-10	8.68E-11	ESRP2	1.43E+00
ENSBTAG00000004751	2.03E-10	1.42E-10	SPTBN4	1.43E+00
ENSBTAG00000006840	3.32E-10	2.32E-10	ASPDH	1.43E+00
ENSBTAG00000044006	1.53E-10	1.08E-10	GIN52	1.42E+00
ENSBTAG00000017956	1.95E-10	1.37E-10	KCTD15	1.43E+00
ENSBTAG00000030360	8.16E-10	5.70E-10		1.43E+00
ENSBTAG00000004766	7.32E-10	5.11E-10		1.43E+00
ENSBTAG00000009638	1.26E-10	8.79E-11	PRMT7	1.43E+00
ENSBTAG00000009357	5.60E-10	3.90E-10	IL34	1.44E+00
ENSBTAG00000030505	1.54E-10	1.06E-10		1.45E+00
ENSBTAG00000019604	1.96E-10	1.35E-10	VASP	1.45E+00
ENSBTAG00000012177	5.76E-10	3.98E-10	SNRPD2	1.45E+00
ENSBTAG00000006638	1.28E-10	8.77E-11	BCL2L12	1.45E+00
ENSBTAG00000018077	2.04E-10	1.40E-10	LYPD3	1.46E+00
ENSBTAG00000037699	1.99E-09	1.37E-09		1.45E+00
ENSBTAG00000009639	1.40E-10	9.62E-11	SMPD3	1.45E+00
ENSBTAG00000046101	8.62E-10	5.93E-10		1.45E+00
ENSBTAG00000002596	1.04E-09	7.11E-10	VSTM1	1.46E+00
ENSBTAG00000020633	3.24E-10	2.22E-10	NOB1	1.46E+00
ENSBTAG00000020632	4.07E-10	2.79E-10	NQO1	1.46E+00
ENSBTAG00000004724	6.58E-10	4.51E-10		1.46E+00
ENSBTAG00000013107	5.07E-10	3.47E-10	SHANK1	1.46E+00
ENSBTAG00000018146	7.95E-10	5.43E-10	VAT1L	1.46E+00
ENSBTAG00000001151	1.83E-10	1.25E-10	APLP1	1.46E+00
ENSBTAG00000011083	4.89E-10	3.34E-10	POLD1	1.46E+00
ENSBTAG00000012097	5.43E-10	3.69E-10	RSPH6A	1.47E+00
ENSBTAG00000001996	1.36E-10	9.29E-11	SNRNP70	1.47E+00
ENSBTAG00000015991	3.77E-10	2.56E-10	CDH1	1.47E+00
ENSBTAG00000012216	8.36E-10	5.68E-10	MLKL	1.47E+00
ENSBTAG00000014450	1.78E-10	1.20E-10	NOSIP	1.48E+00
ENSBTAG00000016315	4.12E-10	2.80E-10	COTL1	1.47E+00
ENSBTAG00000016438	7.74E-11	5.25E-11	TERB1	1.47E+00
ENSBTAG00000023343	3.91E-10	2.65E-10	RPL28	1.48E+00
ENSBTAG00000006862	1.95E-10	1.32E-10	MEIS3	1.48E+00
ENSBTAG00000023726	1.46E-10	9.90E-11		1.47E+00
ENSBTAG00000012796	2.36E-10	1.60E-10	ZNF428	1.47E+00
ENSBTAG00000015139	7.87E-10	5.32E-10		1.48E+00
ENSBTAG00000001781	2.02E-10	1.36E-10	Tom40A	1.48E+00
ENSBTAG00000014953	1.32E-09	8.93E-10		1.48E+00
ENSBTAG00000030543	3.10E-10	2.09E-10	SLC6A16	1.49E+00
ENSBTAG00000018900	1.56E-10	1.05E-10	CARMIL2	1.49E+00
ENSBTAG00000006646	2.41E-10	1.62E-10		1.49E+00
ENSBTAG00000034689	4.10E-10	2.75E-10	ZNRF1	1.49E+00
ENSBTAG00000008860	1.65E-10	1.11E-10		1.48E+00
ENSBTAG00000013766	3.15E-10	2.12E-10	IRGC	1.49E+00
ENSBTAG00000004925	4.81E-10	3.22E-10		1.49E+00
ENSBTAG00000037440	8.10E-10	5.41E-10		1.50E+00
ENSBTAG00000018772	4.44E-10	2.95E-10	TAF1C	1.51E+00
ENSBTAG00000039075	7.04E-10	4.67E-10	ZNF527	1.51E+00
ENSBTAG00000001659	1.45E-10	9.62E-11		1.51E+00
ENSBTAG00000030444	9.90E-10	6.55E-10		1.51E+00

ENSBTAG00000038869	2.80E-10	1.84E-10		1.52E+00
ENSBTAG00000017044	8.55E-10	5.62E-10	MAG	1.52E+00
ENSBTAG00000004368	1.18E-10	7.78E-11	NFATC3	1.52E+00
ENSBTAG00000012222	1.01E-09	6.60E-10	FA2H	1.53E+00
ENSBTAG00000012112	1.09E-10	7.06E-11	SLC7A6	1.55E+00
ENSBTAG00000004526	6.16E-10	3.98E-10		1.55E+00
ENSBTAG00000001171	5.09E-10	3.28E-10	OGFOD1	1.55E+00
ENSBTAG00000000630	3.04E-10	1.95E-10	LSM14A	1.56E+00
ENSBTAG00000020936	1.31E-10	8.42E-11	CARD15	1.56E+00
ENSBTAG00000019348	7.02E-10	4.48E-10		1.57E+00
ENSBTAG00000012693	4.43E-10	2.83E-10		1.56E+00
ENSBTAG00000038149	1.29E-09	8.14E-10	NLRP12	1.58E+00
ENSBTAG00000002830	6.03E-10	3.83E-10	U2AF2	1.58E+00
ENSBTAG00000014595	3.22E-10	2.05E-10	LIG1	1.57E+00
ENSBTAG00000023601	1.27E-10	7.97E-11	CD3EAP	1.59E+00
ENSBTAG00000019183	2.01E-10	1.27E-10	FUZ	1.59E+00
ENSBTAG00000008182	2.56E-11	1.61E-11	FOSB	1.58E+00
ENSBTAG00000020251	1.37E-10	8.62E-11	LYPD4	1.59E+00
ENSBTAG00000005763	1.97E-10	1.24E-10	AKT1S1	1.59E+00
ENSBTAG00000004838	5.09E-11	3.20E-11	IRX5	1.59E+00
ENSBTAG00000019051	2.73E-10	1.72E-10	NAT14	1.59E+00
ENSBTAG00000024869	9.08E-11	5.72E-11	CX3CL1	1.59E+00
ENSBTAG00000019679	3.97E-10	2.50E-10	SYNE4	1.59E+00
ENSBTAG00000001856	3.94E-11	2.48E-11	POLR2C	1.59E+00
ENSBTAG00000002327	7.57E-11	4.77E-11	TMEM208	1.59E+00
ENSBTAG00000013931	1.76E-10	1.11E-10	FAM96B	1.59E+00
ENSBTAG00000039441	2.30E-10	1.45E-10	RGS9BP	1.58E+00
ENSBTAG00000005390	1.33E-10	8.40E-11	GMFG	1.59E+00
ENSBTAG00000014147	4.59E-10	2.88E-10	PRSS54	1.59E+00
ENSBTAG00000012035	1.77E-10	1.12E-10	EXOC3L1	1.58E+00
ENSBTAG00000038050	2.00E-10	1.26E-10	ZNF571	1.58E+00
ENSBTAG00000016886	2.26E-10	1.42E-10	MT3	1.59E+00
ENSBTAG00000047568	3.39E-10	2.13E-10	VN1R1	1.59E+00
ENSBTAG00000016299	7.59E-10	4.77E-10	ZNF784	1.59E+00
ENSBTAG00000021647	7.81E-10	4.90E-10	FCAR	1.59E+00
ENSBTAG00000023998	4.81E-10	3.03E-10		1.59E+00
ENSBTAG00000046365	2.21E-10	1.39E-10		1.59E+00
ENSBTAG00000037881	1.47E-09	9.19E-10		1.60E+00
ENSBTAG00000021057	1.57E-10	9.86E-11	TMEM190	1.59E+00
ENSBTAG00000010927	1.54E-10	9.60E-11	CBFA2T3	1.60E+00
ENSBTAG00000000946	8.56E-10	5.33E-10	TLDC1	1.61E+00
ENSBTAG00000019810	9.08E-10	5.64E-10	AARS	1.61E+00
ENSBTAG00000021433	5.31E-10	3.29E-10		1.61E+00
ENSBTAG00000015912	4.88E-10	3.02E-10	DMKN	1.61E+00
ENSBTAG00000005841	1.37E-09	8.47E-10		1.61E+00
ENSBTAG00000040358	2.52E-10	1.56E-10	ZNF772	1.62E+00
ENSBTAG00000000721	8.75E-10	5.41E-10	GPATCH1	1.62E+00
ENSBTAG00000000945	3.37E-10	2.08E-10	ATP2C2	1.62E+00
ENSBTAG00000002412	1.39E-10	8.53E-11	CYB5B	1.63E+00
ENSBTAG00000039935	2.99E-10	1.84E-10	KCNC3	1.62E+00
ENSBTAG00000019179	2.11E-10	1.30E-10	TSKS	1.63E+00
ENSBTAG00000030440	6.78E-10	4.15E-10		1.63E+00
ENSBTAG00000011689	6.04E-10	3.69E-10	LENG8	1.64E+00
ENSBTAG00000047301	1.73E-09	1.06E-09		1.63E+00
ENSBTAG00000012176	4.58E-10	2.79E-10	QPCTL	1.64E+00
ENSBTAG00000006795	1.87E-10	1.14E-10		1.64E+00
ENSBTAG00000040442	2.09E-10	1.26E-10		1.66E+00
ENSBTAG00000047175	1.59E-09	9.63E-10		1.65E+00
ENSBTAG00000000027	7.62E-10	4.60E-10	IGFL1	1.66E+00
ENSBTAG00000011530	1.08E-10	6.52E-11	CDH15	1.65E+00
ENSBTAG00000046156	7.25E-10	4.38E-10	ST3GAL2	1.66E+00
ENSBTAG00000031538	9.92E-10	5.99E-10		1.66E+00
ENSBTAG00000004608	8.14E-10	4.89E-10		1.66E+00
ENSBTAG00000004755	1.40E-10	8.41E-11	SHKBP1	1.67E+00
ENSBTAG00000003826	3.32E-10	1.98E-10	SCN1B	1.67E+00
ENSBTAG00000012205	1.73E-10	1.04E-10	CPT1C	1.66E+00
ENSBTAG00000044191	6.22E-10	3.71E-10	ABCC12	1.68E+00
ENSBTAG00000011021	1.72E-10	1.03E-10	CES1	1.67E+00
ENSBTAG00000038635	9.89E-10	5.89E-10		1.68E+00
ENSBTAG00000040005	5.32E-10	3.17E-10		1.68E+00

ENSBTAG00000001055	1.18E-10	6.97E-11		1.69E+00
ENSBTAG00000006139	9.39E-11	5.55E-11	TRPM4	1.69E+00
ENSBTAG000000031941	9.34E-10	5.49E-10	PEPD	1.70E+00
ENSBTAG00000010627	2.53E-10	1.49E-10	SF3B3	1.70E+00
ENSBTAG00000038024	1.23E-09	7.20E-10	SIGLECL1	1.71E+00
ENSBTAG00000006291	2.28E-10	1.33E-10	CYLD	1.71E+00
ENSBTAG000000030769	3.75E-10	2.18E-10	KPTN	1.72E+00
ENSBTAG00000009286	2.04E-10	1.19E-10	ZC3H4	1.72E+00
ENSBTAG00000002072	1.34E-10	7.81E-11	ERCC2	1.72E+00
ENSBTAG000000020543	2.63E-10	1.53E-10	UPK1A	1.72E+00
ENSBTAG00000019180	1.94E-10	1.11E-10	AP2A1	1.74E+00
ENSBTAG00000016250	7.92E-11	4.53E-11	AKTIP	1.75E+00
ENSBTAG00000045529	4.18E-10	2.39E-10	NCR1	1.75E+00
ENSBTAG00000015899	4.65E-10	2.66E-10		1.75E+00
ENSBTAG00000045795	9.86E-10	5.63E-10	KIR2DS1	1.75E+00
ENSBTAG00000039971	3.03E-10	1.73E-10		1.75E+00
ENSBTAG000000038911	9.67E-10	5.51E-10		1.76E+00
ENSBTAG000000048204	2.67E-10	1.52E-10	SPACA6	1.76E+00
ENSBTAG00000003470	9.95E-10	5.66E-10	TTYH1	1.76E+00
ENSBTAG00000040413	1.28E-10	7.27E-11	CES3	1.76E+00
ENSBTAG000000038702	7.44E-10	4.21E-10	ZNF23	1.77E+00
ENSBTAG00000003447	9.63E-10	5.41E-10		1.78E+00
ENSBTAG00000038858	4.35E-10	2.44E-10	CKLF	1.78E+00
ENSBTAG000000023417	1.72E-10	9.65E-11	RUVBL2	1.79E+00
ENSBTAG000000013412	1.80E-10	1.01E-10	NFAT5	1.78E+00
ENSBTAG000000006638	1.73E-10	9.69E-11	CDT1	1.79E+00
ENSBTAG00000040108	6.93E-10	3.87E-10	ZNF829	1.79E+00
ENSBTAG00000004725	1.06E-09	5.87E-10	NLRP9	1.80E+00
ENSBTAG000000021438	1.20E-10	6.65E-11	ZNF821	1.80E+00
ENSBTAG00000016037	1.85E-10	1.03E-10	BCKDHA	1.80E+00
ENSBTAG00000026004	7.57E-10	4.17E-10	CNTNAP4	1.81E+00
ENSBTAG000000023338	3.99E-10	2.19E-10		1.82E+00
ENSBTAG000000007545	1.58E-10	8.67E-11	PHLPP2	1.82E+00
ENSBTAG00000014900	8.22E-10	4.50E-10	CNOT3	1.83E+00
ENSBTAG00000011887	3.46E-10	1.89E-10	CD22	1.83E+00
ENSBTAG00000017847	8.06E-10	4.37E-10	PPP1R12C	1.84E+00
ENSBTAG000000038755	8.39E-10	4.54E-10		1.85E+00
ENSBTAG000000002824	1.36E-10	7.35E-11	DPEP3	1.85E+00
ENSBTAG00000012499	2.36E-10	1.27E-10	RPGRIP1L	1.86E+00
ENSBTAG000000033248	2.07E-10	1.12E-10	CDH3	1.85E+00
ENSBTAG00000006841	4.71E-10	2.54E-10	LRRC4B	1.85E+00
ENSBTAG00000017816	5.36E-10	2.89E-10	FXYD1	1.85E+00
ENSBTAG00000038890	1.94E-09	1.04E-09		1.86E+00
ENSBTAG000000045498	6.12E-10	3.26E-10	SULT2B1	1.88E+00
ENSBTAG000000008185	1.15E-10	6.05E-11	RTN2	1.90E+00
ENSBTAG00000048283	4.61E-10	2.42E-10		1.91E+00
ENSBTAG000000002055	7.66E-10	3.99E-10	ZFP28	1.92E+00
ENSBTAG000000040411	6.50E-10	3.38E-10		1.92E+00
ENSBTAG000000038416	1.12E-09	5.83E-10		1.92E+00
ENSBTAG00000009636	1.74E-10	9.04E-11	SLC7A6OS	1.93E+00
ENSBTAG000000009137	8.69E-10	4.51E-10	NKG7	1.93E+00
ENSBTAG00000014117	4.31E-10	2.23E-10	CCDC9	1.93E+00
ENSBTAG00000038674	3.91E-10	2.01E-10	ZNF677	1.95E+00
ENSBTAG00000009762	2.76E-10	1.42E-10	BEAN1	1.94E+00
ENSBTAG000000033078	3.86E-10	1.97E-10	CNEP1R1	1.96E+00
ENSBTAG00000008546	3.43E-10	1.75E-10	SYNGR4	1.96E+00
ENSBTAG00000014636	3.37E-10	1.72E-10	ZFH3	1.96E+00
ENSBTAG00000011052	5.30E-10	2.69E-10		1.97E+00
ENSBTAG00000010867	2.34E-10	1.18E-10	LONP2	1.98E+00
ENSBTAG000000020558	1.83E-10	9.21E-11		1.98E+00
ENSBTAG00000020689	8.31E-11	4.19E-11	PPP1R13L	1.98E+00
ENSBTAG00000013757	1.92E-10	9.58E-11	CTCF	2.01E+00
ENSBTAG00000015987	1.68E-09	8.35E-10		2.01E+00
ENSBTAG000000030600	4.55E-10	2.25E-10		2.02E+00
ENSBTAG00000045510	5.19E-10	2.54E-10	EMC10	2.04E+00
ENSBTAG00000047035	2.95E-10	1.44E-10	TBC1D17	2.05E+00
ENSBTAG00000006899	6.01E-10	2.93E-10	JPH3	2.05E+00
ENSBTAG000000039628	9.66E-10	4.71E-10		2.05E+00
ENSBTAG00000015908	1.13E-09	5.41E-10	MBOAT7	2.08E+00
ENSBTAG000000003794	4.40E-10	2.12E-10	GNAO1	2.07E+00

ENSBTAG00000010502	1.95E-10	9.21E-11	SERTAD3	2.12E+00
ENSBTAG00000009414	2.04E-10	9.50E-11	PSMC4	2.15E+00
ENSBTAG00000005330	6.48E-10	3.01E-10	KRTDAP	2.15E+00
ENSBTAG00000013084	4.75E-10	2.19E-10	NAPA	2.17E+00
ENSBTAG00000011723	3.27E-10	1.51E-10	GRIK5	2.17E+00
ENSBTAG00000038321	4.33E-10	2.00E-10	LIPE	2.17E+00
ENSBTAG00000005576	3.92E-10	1.79E-10	CLEC11A	2.19E+00
ENSBTAG00000001498	4.03E-10	1.84E-10	CYTH2	2.19E+00
ENSBTAG00000018859	1.76E-10	8.06E-11	C19orf47	2.18E+00
ENSBTAG00000018635	2.46E-10	1.12E-10	ATP1A3	2.19E+00
ENSBTAG00000001104	3.40E-10	1.54E-10	CMTM4	2.21E+00
ENSBTAG00000019267	2.46E-10	1.11E-10	MMP2	2.21E+00
ENSBTAG00000020062	7.04E-10	3.17E-10	TMC4	2.22E+00
ENSBTAG00000011700	2.13E-10	9.57E-11	PLL2	2.22E+00
ENSBTAG00000017355	7.87E-11	3.54E-11	ERCC1	2.22E+00
ENSBTAG00000031810	3.87E-10	1.73E-10	WDR88	2.24E+00
ENSBTAG00000009495	2.25E-10	1.00E-10	BCAM	2.25E+00
ENSBTAG00000020836	2.15E-10	9.59E-11	FAM92B	2.24E+00
ENSBTAG00000021157	5.70E-10	2.54E-10	PPP6R1	2.24E+00
ENSBTAG00000009446	3.10E-10	1.37E-10	USP10	2.26E+00
ENSBTAG00000011664	5.91E-10	2.60E-10		2.27E+00
ENSBTAG00000011926	4.87E-10	2.14E-10		2.28E+00
ENSBTAG00000006630	2.27E-10	9.95E-11	SLC12A3	2.28E+00
ENSBTAG00000003820	4.83E-10	2.12E-10	GRAMD1A	2.28E+00
ENSBTAG000000038428	3.20E-10	1.40E-10	RELB	2.29E+00
ENSBTAG00000017560	2.71E-10	1.19E-10	CEBPG	2.28E+00
ENSBTAG00000002763	1.88E-10	8.23E-11	KMT2B	2.28E+00
ENSBTAG00000007184	9.54E-10	4.12E-10	NUDT7	2.31E+00
ENSBTAG00000038240	2.93E-10	1.26E-10	ZNF134	2.33E+00
ENSBTAG00000046772	4.30E-10	1.84E-10	CLEC3A	2.33E+00
ENSBTAG00000022813	6.31E-10	2.69E-10	TMEM150B	2.34E+00
ENSBTAG00000004460	5.72E-10	2.43E-10	RFWD3	2.35E+00
ENSBTAG00000015764	4.44E-10	1.89E-10	EML2	2.35E+00
ENSBTAG00000002769	1.16E-10	4.91E-11	AP1G1	2.36E+00
ENSBTAG00000037882	2.11E-10	8.85E-11	ZNF584	2.38E+00
ENSBTAG00000001698	6.29E-11	2.64E-11	CHTF8	2.38E+00
ENSBTAG00000007992	8.29E-11	3.48E-11	HAS3	2.38E+00
ENSBTAG00000015084	1.07E-10	4.47E-11	MT4	2.38E+00
ENSBTAG00000006633	8.81E-11	3.70E-11	IRF3	2.38E+00
ENSBTAG000000012186	3.12E-10	1.31E-10	DKKL1	2.38E+00
ENSBTAG00000033334	6.74E-11	2.83E-11	SPATA2L	2.38E+00
ENSBTAG00000007200	1.65E-10	6.91E-11	COX6B2	2.38E+00
ENSBTAG00000047400	8.02E-11	3.37E-11	IL11	2.38E+00
ENSBTAG00000001191	8.50E-11	3.57E-11	CCL17	2.38E+00
ENSBTAG00000012465	4.12E-10	1.72E-10	FOXC2	2.39E+00
ENSBTAG00000020428	1.14E-10	4.79E-11	PAF1	2.38E+00
ENSBTAG00000038034	3.41E-10	1.43E-10	ZNF628	2.38E+00
ENSBTAG00000006839	4.75E-10	1.99E-10	JOSD2	2.38E+00
ENSBTAG00000002370	3.49E-10	1.46E-10	ZNF792	2.39E+00
ENSBTAG00000047571	4.82E-10	2.02E-10		2.38E+00
ENSBTAG00000007617	2.39E-10	1.00E-10	TERF2	2.39E+00
ENSBTAG00000018181	5.65E-10	2.36E-10	CCDC8	2.39E+00
ENSBTAG00000039086	7.41E-10	3.10E-10		2.39E+00
ENSBTAG00000002579	2.28E-10	9.50E-11	FBL	2.40E+00
ENSBTAG00000040294	1.39E-09	5.79E-10		2.40E+00
ENSBTAG00000038325	2.78E-10	1.14E-10	CES4A	2.44E+00
ENSBTAG00000030922	7.02E-10	2.87E-10		2.44E+00
ENSBTAG00000019851	6.71E-10	2.74E-10	PPP2R1A	2.45E+00
ENSBTAG00000016471	7.99E-10	3.26E-10	PDPR	2.45E+00
ENSBTAG00000014087	4.24E-10	1.72E-10	KMT5C	2.46E+00
ENSBTAG00000003829	2.42E-10	9.81E-11	HPN	2.47E+00
ENSBTAG00000040559	8.72E-10	3.53E-10		2.47E+00
ENSBTAG00000044157	5.67E-10	2.26E-10		2.51E+00
ENSBTAG00000013347	1.75E-10	6.94E-11	DMPK	2.51E+00
ENSBTAG00000002676	1.75E-10	6.96E-11	SAE1	2.51E+00
ENSBTAG00000037906	6.52E-10	2.59E-10		2.51E+00
ENSBTAG00000039849	7.04E-10	2.79E-10		2.52E+00
ENSBTAG00000017672	3.49E-10	1.37E-10	HAS1	2.54E+00
ENSBTAG00000016513	6.62E-10	2.61E-10	ZNF331	2.54E+00
ENSBTAG00000023795	4.32E-10	1.69E-10	VAC14	2.55E+00



ENSBTAG0000004463	2.61E-10	1.02E-10	KDELR1	2.56E+00
ENSBTAG00000009358	3.28E-10	1.28E-10	MTSS1L	2.56E+00
ENSBTAG00000012104	1.63E-10	6.31E-11	FOXA3	2.58E+00
ENSBTAG00000017613	1.45E-10	5.63E-11		2.58E+00
ENSBTAG00000021145	1.33E-10	5.11E-11	MAP4K1	2.61E+00
ENSBTAG00000048075	7.70E-10	2.93E-10		2.63E+00
ENSBTAG00000015968	1.82E-10	6.94E-11	ACSF3	2.63E+00
ENSBTAG00000047062	3.63E-10	1.38E-10	LRP3	2.63E+00
ENSBTAG00000024889	2.60E-10	9.81E-11	HSBP1	2.65E+00
ENSBTAG00000018244	2.61E-10	9.85E-11	VSTM2B	2.65E+00
ENSBTAG00000015164	8.69E-11	3.28E-11	SLC27A5	2.64E+00
ENSBTAG00000038903	3.99E-10	1.50E-10		2.66E+00
ENSBTAG00000015920	4.35E-10	1.64E-10	TMEM147	2.65E+00
ENSBTAG00000011517	4.63E-10	1.74E-10	CCDC106	2.66E+00
ENSBTAG00000011693	5.30E-10	2.00E-10	LENG9	2.65E+00
ENSBTAG00000040603	9.21E-10	3.47E-10	ZNF175	2.65E+00
ENSBTAG00000040392	1.85E-09	6.96E-10		2.66E+00
ENSBTAG00000026944	9.53E-10	3.58E-10		2.66E+00
ENSBTAG00000030344	2.47E-09	9.19E-10		2.69E+00
ENSBTAG00000016896	1.34E-10	4.96E-11	HERPUD1	2.70E+00
ENSBTAG00000002368	1.70E-10	6.31E-11	TULP2	2.70E+00
ENSBTAG00000014267	2.16E-10	8.05E-11	ZCCHC14	2.69E+00
ENSBTAG00000016114	3.97E-10	1.47E-10	CABP5	2.70E+00
ENSBTAG00000007421	4.39E-10	1.63E-10	CDH5	2.69E+00
ENSBTAG00000014583	1.45E-10	5.36E-11		2.70E+00
ENSBTAG00000038487	5.91E-10	2.17E-10	ZNF613	2.72E+00
ENSBTAG00000009585	5.78E-11	2.08E-11	CDH16	2.77E+00
ENSBTAG00000005093	9.45E-11	3.40E-11	CES2	2.77E+00
ENSBTAG00000016349	1.62E-10	5.83E-11	TEAD2	2.78E+00
ENSBTAG00000020450	4.48E-10	1.61E-10		2.78E+00
ENSBTAG00000000801	3.47E-10	1.23E-10	ZNF583	2.82E+00
ENSBTAG00000015226	8.64E-10	3.04E-10	BRSK1	2.84E+00
ENSBTAG00000016968	2.17E-10	7.57E-11	CHST4	2.86E+00
ENSBTAG00000006354	4.80E-10	1.68E-10		2.86E+00
ENSBTAG00000030502	1.83E-10	6.36E-11		2.87E+00
ENSBTAG00000014187	1.68E-10	5.78E-11	PPM1N	2.91E+00
ENSBTAG00000000082	2.62E-10	8.99E-11	KCNJ14	2.91E+00
ENSBTAG00000015194	3.47E-10	1.19E-10	CBLN1	2.91E+00
ENSBTAG00000001776	3.19E-10	1.09E-10	SIRT2	2.92E+00
ENSBTAG00000006905	7.39E-10	2.52E-10	KLHDC4	2.93E+00
ENSBTAG00000001026	3.47E-10	1.17E-10	BCO1	2.96E+00
ENSBTAG00000011632	1.60E-10	5.42E-11		2.95E+00
ENSBTAG00000043953	2.37E-10	7.95E-11		2.98E+00
ENSBTAG00000004939	3.96E-10	1.31E-10	ZNF569	3.02E+00
ENSBTAG00000015694	8.10E-10	2.68E-10	MON1B	3.02E+00
ENSBTAG00000006486	4.82E-10	1.58E-10	TSEN34	3.05E+00
ENSBTAG00000038088	6.92E-10	2.23E-10		3.10E+00
ENSBTAG00000016407	4.82E-10	1.56E-10	IRX6	3.09E+00
ENSBTAG00000005367	3.35E-10	1.07E-10	VRK3	3.13E+00
ENSBTAG00000014370	4.98E-10	1.60E-10	NETO2	3.11E+00
ENSBTAG00000047761	1.06E-09	3.37E-10		3.15E+00
ENSBTAG00000001294	1.93E-10	6.06E-11	PPP1R15A	3.18E+00
ENSBTAG00000007616	1.25E-10	3.94E-11		3.17E+00
ENSBTAG00000046626	9.70E-11	3.05E-11	CNTD2	3.17E+00
ENSBTAG000000039111	2.47E-10	7.76E-11		3.18E+00
ENSBTAG00000006954	5.23E-10	1.64E-10	ZNF432	3.19E+00
ENSBTAG00000002515	4.30E-10	1.35E-10		3.18E+00
ENSBTAG00000001051	4.81E-10	1.51E-10	OSCAR	3.18E+00
ENSBTAG00000048145	7.78E-10	2.44E-10		3.19E+00
ENSBTAG00000046510	6.97E-10	2.19E-10		3.18E+00
ENSBTAG00000015260	7.18E-10	2.25E-10		3.19E+00
ENSBTAG00000045854	9.01E-10	2.82E-10		3.19E+00
ENSBTAG00000047030	1.21E-09	3.78E-10		3.20E+00
ENSBTAG00000047791	1.04E-09	3.24E-10		3.20E+00
ENSBTAG00000046947	1.02E-09	3.19E-10		3.20E+00
ENSBTAG00000020449	7.21E-10	2.22E-10	ETFB	3.25E+00
ENSBTAG00000003644	6.00E-10	1.83E-10	HSPBP1	3.28E+00
ENSBTAG00000006612	2.22E-10	6.75E-11	SCAF1	3.29E+00
ENSBTAG00000002853	4.56E-10	1.38E-10	HRC	3.31E+00
ENSBTAG00000031441	6.97E-10	2.09E-10	FXD5	3.33E+00

ENSBTAG00000001775	2.02E-10	6.06E-11	RINL	3.33E+00
ENSBTAG00000002522	7.38E-10	2.19E-10	SYT5	3.37E+00
ENSBTAG000000045880	1.01E-09	3.00E-10		3.37E+00
ENSBTAG00000002844	8.69E-11	2.57E-11	PPFIA3	3.37E+00
ENSBTAG00000012606	6.45E-10	1.90E-10	ZNF541	3.39E+00
ENSBTAG00000017033	2.74E-10	7.95E-11		3.44E+00
ENSBTAG00000005766	4.21E-10	1.21E-10	IL4I1	3.47E+00
ENSBTAG00000014454	1.93E-10	5.51E-11	PRR12	3.49E+00
ENSBTAG000000047219	2.99E-10	8.54E-11	ZNF793	3.50E+00
ENSBTAG00000018948	6.55E-10	1.87E-10	HIF3A	3.50E+00
ENSBTAG00000010856	2.84E-10	8.02E-11	SLC8A2	3.54E+00
ENSBTAG00000011212	1.14E-10	3.20E-11	EIF3K	3.57E+00
ENSBTAG00000007757	4.70E-10	1.31E-10	PRPF31	3.59E+00
ENSBTAG00000000930	6.80E-10	1.89E-10		3.59E+00
ENSBTAG000000047345	3.83E-10	1.06E-10		3.61E+00
ENSBTAG00000015165	3.25E-10	9.00E-11	DPY19L3	3.60E+00
ENSBTAG00000017814	4.69E-10	1.29E-10	LG14	3.63E+00
ENSBTAG00000004248	2.93E-10	8.00E-11		3.66E+00
ENSBTAG00000006419	6.95E-10	1.87E-10	TNNT1	3.71E+00
ENSBTAG00000015318	3.94E-10	1.05E-10	NECTIN2	3.75E+00
ENSBTAG000000048184	1.59E-09	4.22E-10		3.76E+00
ENSBTAG00000008014	6.65E-10	1.76E-10	PPP5C	3.78E+00
ENSBTAG00000020560	2.49E-10	6.59E-11	CLPTM1	3.78E+00
ENSBTAG00000013440	2.65E-10	6.94E-11	RBM42	3.82E+00
ENSBTAG00000013266	4.55E-10	1.19E-10	PMFBP1	3.82E+00
ENSBTAG000000045861	8.22E-10	2.14E-10	TARM1	3.84E+00
ENSBTAG00000016125	1.51E-10	3.80E-11	KCNA7	3.97E+00
ENSBTAG00000023752	1.54E-10	3.88E-11	PABPN1L	3.97E+00
ENSBTAG00000008544	2.03E-10	5.12E-11	SALL1	3.96E+00
ENSBTAG00000013882	1.52E-10	3.82E-11	CHMP2A	3.97E+00
ENSBTAG00000033331	5.99E-11	1.51E-11	CHMP1A	3.95E+00
ENSBTAG00000020983	1.02E-10	2.56E-11	RRAS	3.96E+00
ENSBTAG00000021165	4.36E-11	1.10E-11	VPS9D1	3.93E+00
ENSBTAG00000023765	1.72E-10	4.33E-11	C16orf46	3.96E+00
ENSBTAG00000007509	8.62E-10	2.16E-10	CACNG8	3.99E+00
ENSBTAG000000046367	5.88E-10	1.44E-10		4.08E+00
ENSBTAG00000005261	4.28E-10	1.02E-10		4.19E+00
ENSBTAG00000017651	6.02E-10	1.42E-10	ZNF665	4.24E+00
ENSBTAG000000004735	1.37E-10	3.24E-11	CCNE1	4.23E+00
ENSBTAG000000012189	6.90E-10	1.62E-10	TMEM86B	4.26E+00
ENSBTAG00000009364	1.57E-09	3.68E-10		4.27E+00
ENSBTAG00000009746	4.89E-10	1.14E-10	MPHOSPH6	4.29E+00
ENSBTAG00000009918	2.55E-10	5.67E-11	GSE1	4.50E+00
ENSBTAG000000006487	1.35E-09	2.97E-10	RPS9	4.54E+00
ENSBTAG00000015989	3.38E-10	7.38E-11	RPS5	4.57E+00
ENSBTAG000000046295	2.00E-10	4.20E-11	CCER2	4.76E+00
ENSBTAG00000001906	5.25E-11	1.10E-11	FANCA	4.74E+00
ENSBTAG000000033326	8.28E-11	1.74E-11	DPEP1	4.74E+00
ENSBTAG00000002687	3.05E-10	6.38E-11	TSHZ3	4.77E+00
ENSBTAG00000038442	3.54E-10	7.41E-11	WDR87	4.77E+00
ENSBTAG00000007506	1.12E-09	2.35E-10	CACNG7	4.75E+00
ENSBTAG000000039341	4.68E-10	9.80E-11		4.77E+00
ENSBTAG00000018152	5.30E-10	1.11E-10		4.77E+00
ENSBTAG00000001062	6.19E-10	1.29E-10	PTH2	4.79E+00
ENSBTAG000000023614	5.44E-10	1.14E-10	NUDT19	4.76E+00
ENSBTAG00000007754	7.38E-10	1.54E-10		4.79E+00
ENSBTAG00000020080	6.30E-10	1.29E-10	MYBPC2	4.88E+00
ENSBTAG00000020447	7.03E-10	1.44E-10	VSIG10L	4.88E+00
ENSBTAG00000007756	6.68E-10	1.35E-10	TFPT	4.94E+00
ENSBTAG00000001654	3.61E-10	7.26E-11	SNTB2	4.96E+00
ENSBTAG00000014593	5.75E-10	1.15E-10		4.99E+00
ENSBTAG00000008203	3.58E-10	7.09E-11	SELENOW	5.04E+00
ENSBTAG000000001778	4.48E-10	8.73E-11	NFKB1B	5.13E+00
ENSBTAG00000002242	3.72E-10	7.14E-11	FAM192A	5.20E+00
ENSBTAG00000016878	7.11E-10	1.36E-10	WDR59	5.22E+00
ENSBTAG00000010508	3.47E-10	6.66E-11	BLVRB	5.20E+00
ENSBTAG00000016113	1.13E-09	2.17E-10	ELSPBP1	5.23E+00
ENSBTAG000000045692	8.87E-10	1.69E-10		5.24E+00
ENSBTAG00000021417	2.38E-10	4.49E-11	DMWD	5.29E+00
ENSBTAG00000009363	5.08E-10	9.57E-11	GINS3	5.31E+00

ENSBTAG00000037830	7.45E-10	1.40E-10		5.32E+00
ENSBTAG00000018326	4.28E-10	8.00E-11	FXYD7	5.34E+00
ENSBTAG00000023333	6.76E-10	1.25E-10	LENG1	5.40E+00
ENSBTAG00000030393	1.28E-09	2.37E-10	RDH13	5.39E+00
ENSBTAG00000020082	6.16E-10	1.13E-10	FAM71E1	5.45E+00
ENSBTAG00000007096	1.69E-10	3.03E-11		5.56E+00
ENSBTAG00000009494	1.10E-10	1.98E-11	CBLC	5.53E+00
ENSBTAG00000018633	1.99E-10	3.58E-11	RABAC1	5.56E+00
ENSBTAG00000006566	5.32E-10	9.54E-11	FFAR2	5.57E+00
ENSBTAG00000024895	1.76E-09	3.13E-10		5.64E+00
ENSBTAG00000009512	9.49E-10	1.68E-10	EPS8L1	5.65E+00
ENSBTAG00000003798	6.92E-10	1.22E-10	AMFR	5.67E+00
ENSBTAG00000037888	5.19E-10	8.89E-11	LYPD5	5.84E+00
ENSBTAG00000009493	1.99E-10	3.42E-11	BCL3	5.81E+00
ENSBTAG00000023365	6.53E-10	1.12E-10		5.83E+00
ENSBTAG00000039491	6.59E-10	1.10E-10		5.99E+00
ENSBTAG000000047617	1.31E-09	2.17E-10		6.02E+00
ENSBTAG00000002580	7.65E-10	1.23E-10	MYH14	6.22E+00
ENSBTAG00000006424	8.52E-10	1.37E-10	TNNI3	6.21E+00
ENSBTAG00000019887	4.83E-10	7.68E-11		6.29E+00
ENSBTAG00000023415	1.81E-10	2.84E-11	LIN7B	6.35E+00
ENSBTAG00000019150	6.97E-11	1.10E-11	PLD3	6.29E+00
ENSBTAG00000002070	8.01E-11	1.26E-11	KLC3	6.32E+00
ENSBTAG000000039014	5.29E-11	8.32E-12	DEF8	6.29E+00
ENSBTAG000000015061	3.31E-10	5.20E-11		6.36E+00
ENSBTAG00000006347	4.85E-10	7.61E-11	UTP4	6.37E+00
ENSBTAG00000045806	7.30E-10	1.14E-10	FFAR1	6.40E+00
ENSBTAG00000002226	5.21E-10	8.10E-11		6.42E+00
ENSBTAG00000013436	9.71E-10	1.50E-10	HAUS5	6.47E+00
ENSBTAG00000046805	2.89E-10	4.36E-11	CYP2F1	6.62E+00
ENSBTAG00000019473	9.15E-10	1.36E-10	IGLON5	6.72E+00
ENSBTAG00000003541	5.47E-10	8.07E-11	ZNF614	6.77E+00
ENSBTAG000000039212	7.62E-10	1.11E-10		6.86E+00
ENSBTAG00000047953	9.11E-10	1.32E-10		6.90E+00
ENSBTAG00000001994	6.90E-10	9.83E-11	FAM187B	7.01E+00
ENSBTAG00000013346	2.08E-10	2.91E-11	SIX5	7.14E+00
ENSBTAG00000047158	1.23E-10	1.71E-11	LRFN1	7.13E+00
ENSBTAG00000012538	7.46E-10	1.04E-10	KLK14	7.17E+00
ENSBTAG00000046908	1.30E-09	1.80E-10		7.21E+00
ENSBTAG000000018162	1.65E-09	2.28E-10	VN1R4	7.24E+00
ENSBTAG00000004842	1.83E-10	2.50E-11	RSPRY1	7.30E+00
ENSBTAG00000000803	6.13E-10	8.33E-11	ZNF667	7.35E+00
ENSBTAG00000012509	2.05E-10	2.71E-11	DYRK1B	7.54E+00
ENSBTAG00000017333	1.03E-10	1.30E-11	PRX	7.87E+00
ENSBTAG00000047654	4.01E-10	5.04E-11	CMTM3	7.95E+00
ENSBTAG00000046425	6.71E-10	8.41E-11	LEUTX	7.97E+00
ENSBTAG00000003757	4.33E-10	5.35E-11	DNAJA2	8.09E+00
ENSBTAG00000008852	8.16E-10	1.01E-10	SIGLEC10	8.07E+00
ENSBTAG00000013550	6.65E-10	8.01E-11	PRKCG	8.29E+00
ENSBTAG00000012215	1.43E-10	1.71E-11	CPNE7	8.30E+00
ENSBTAG00000002764	3.44E-10	3.93E-11	IGFLR1	8.74E+00
ENSBTAG000000033441	3.02E-10	3.32E-11	SHCBP1	9.06E+00
ENSBTAG00000046544	5.94E-10	6.42E-11	SLC7A10	9.25E+00
ENSBTAG00000016034	1.14E-10	1.19E-11	EXOSC5	9.47E+00
ENSBTAG000000017035	3.07E-10	3.21E-11	USF2	9.54E+00
ENSBTAG00000025288	1.06E-09	1.10E-10		9.59E+00
ENSBTAG00000004611	8.17E-10	8.18E-11	CEACAM18	9.98E+00
ENSBTAG00000025023	9.28E-10	9.28E-11		9.99E+00
ENSBTAG000000030563	1.91E-10	1.84E-11	PRRG2	1.03E+01
ENSBTAG000000038051	5.20E-11	5.04E-12		1.01E+01
ENSBTAG00000009735	5.34E-10	4.96E-11	A1BG	1.07E+01
ENSBTAG00000023610	4.98E-10	4.46E-11		1.11E+01
ENSBTAG00000016006	1.53E-10	1.28E-11	ANKRD11	1.18E+01
ENSBTAG00000015115	4.80E-10	4.02E-11	ACPT	1.19E+01
ENSBTAG00000046472	1.34E-09	1.11E-10		1.20E+01
ENSBTAG00000012041	2.35E-10	1.94E-11	SPG7	1.21E+01
ENSBTAG00000045989	1.00E-09	8.23E-11	CDC42EP5	1.22E+01
ENSBTAG00000002223	1.42E-10	1.12E-11	POP4	1.26E+01
ENSBTAG00000018539	5.17E-10	4.06E-11	KLK1	1.27E+01
ENSBTAG00000030484	6.88E-10	5.22E-11	KLK12	1.32E+01

ENSBTAG0000002290	6.45E-10	4.85E-11		1.33E+01
ENSBTAG00000044113	7.84E-10	5.01E-11	IZUMO2	1.56E+01
ENSBTAG00000009382	9.21E-10	5.42E-11	KLK13	1.70E+01
ENSBTAG00000011079	6.14E-10	3.21E-11		1.91E+01
ENSBTAG00000018545	4.57E-10	2.12E-11	KLK15	2.15E+01
ENSBTAG00000040177	7.30E-10	3.39E-11		2.15E+01
ENSBTAG00000038526	1.26E-09	5.33E-11		2.35E+01
ENSBTAG00000015313	2.81E-10	1.12E-11	CEACAM19	2.49E+01
ENSBTAG00000015129	9.12E-10	3.45E-11	KLK10	2.64E+01
ENSBTAG00000015128	7.47E-10	1.99E-11	KLK8	3.74E+01
ENSBTAG00000035868	1.06E-09	2.59E-11		4.06E+01
ENSBTAG00000047675	1.57E-09	3.57E-11		4.39E+01
ENSBTAG00000008851	1.01E-09	2.26E-11		4.47E+01
ENSBTAG00000030482	7.84E-10	1.21E-11	KLK6	6.43E+01
ENSBTAG00000015125	7.17E-10	1.08E-11	KLK5	6.58E+01
ENSBTAG00000011533	5.38E-11	0		5.39E+02
ENSBTAG00000012044	1.03E-10	0	RPL13	1.03E+03
ENSBTAG00000033333	4.59E-11	0	CDK10	4.60E+02
ENSBTAG00000001904	7.40E-11	0	ZNF276	7.41E+02
ENSBTAG00000023730	9.46E-12	0	TUBB3	9.56E+01
ENSBTAG00000020318	4.15E-11	0		4.16E+02
ENSBTAG00000012083	1.32E-10	0	IRX3	1.32E+03
ENSBTAG00000004844	1.58E-10	0	ARL2BP	1.58E+03
ENSBTAG00000018043	2.52E-11	0	LCAT	2.53E+02
ENSBTAG00000017042	5.12E-10	0	HAMP	5.12E+03
ENSBTAG00000031420	2.86E-10	0		2.86E+03
ENSBTAG00000013444	1.05E-10	0	ETV2	1.05E+03
ENSBTAG00000007338	2.43E-10	0	TYROBP	2.43E+03
ENSBTAG00000015002	1.32E-10	0	POLR2I	1.32E+03
ENSBTAG00000001782	8.65E-11	0	MRPS12	8.66E+02
ENSBTAG00000010493	2.27E-10	0	SERTAD1	2.27E+03
ENSBTAG00000016041	9.11E-11	0	B3GNT8	9.12E+02
ENSBTAG00000020754	4.95E-11	0	ZNF526	4.96E+02
ENSBTAG00000040054	1.04E-10	0		1.04E+03
ENSBTAG00000011624	5.61E-11	0	FGF21	5.62E+02
ENSBTAG00000047078	0	0	NTF4	1.00E+00
ENSBTAG00000030483	7.58E-10	0	KLK7	7.58E+03
ENSBTAG00000002257	7.26E-10	0	KLK11	7.26E+03
ENSBTAG00000037721	2.94E-10	0		2.94E+03
ENSBTAG000000046987	1.83E-10	0	CENPBD1	1.83E+03
ENSBTAG00000040605	0	0	FOXL1	1.00E+00
ENSBTAG00000023731	0	0	MC1R	1.00E+00
ENSBTAG00000046255	7.94E-11	0	ATXN1L	7.95E+02
ENSBTAG00000047787	0	0		1.00E+00
ENSBTAG00000045656	1.52E-09	0		1.52E+04
ENSBTAG00000045930	0	0	SYCN	1.00E+00
ENSBTAG00000001350	2.97E-10	0		2.97E+03
ENSBTAG000000007070	0	0		1.00E+00
ENSBTAG00000045864	1.37E-10	0	ZNF581	1.37E+03
ENSBTAG00000044492	4.35E-10	0		4.35E+03
ENSBTAG00000034302	2.53E-10	0		2.53E+03
ENSBTAG00000017221	0	1.72E-10		5.81E-04
ENSBTAG00000013898	0	4.61E-10	NPB	2.17E-04
ENSBTAG00000030186	0	3.52E-10		2.84E-04
ENSBTAG000000048260	7.63E-11	5.79E-10		1.32E-01
ENSBTAG00000000666	8.75E-11	6.08E-10	GHDC	1.44E-01
ENSBTAG00000015298	2.43E-11	1.53E-10	TNFRSF13B	1.60E-01
ENSBTAG00000006777	6.73E-11	2.55E-10	TLCD1	2.64E-01
ENSBTAG00000007603	6.02E-11	2.28E-10	HOXB1	2.64E-01
ENSBTAG00000018897	5.32E-11	1.73E-10	PSMD11	3.08E-01
ENSBTAG00000010576	9.19E-11	2.72E-10		3.38E-01
ENSBTAG00000015951	1.93E-10	5.60E-10	NOL11	3.45E-01
ENSBTAG00000006982	1.13E-10	3.26E-10		3.46E-01
ENSBTAG00000047262	1.61E-10	4.58E-10		3.52E-01
ENSBTAG00000017969	1.58E-10	4.39E-10	CA4	3.60E-01
ENSBTAG00000008978	4.89E-11	1.34E-10	USP22	3.65E-01
ENSBTAG00000001195	1.97E-10	5.44E-10	KCNH4	3.62E-01
ENSBTAG00000006806	2.13E-10	5.65E-10	KRT17	3.77E-01
ENSBTAG00000014663	8.99E-11	2.27E-10	HOXB13	3.96E-01
ENSBTAG00000045824	4.39E-11	1.11E-10		3.96E-01

ENSBTAG00000010317	1.19E-10	2.99E-10	SPPL2C	3.97E-01
ENSBTAG00000025121	9.64E-11	2.43E-10	EMC6	3.97E-01
ENSBTAG00000000665	6.57E-11	1.66E-10	HCRT	3.96E-01
ENSBTAG00000018221	8.48E-11	2.14E-10		3.96E-01
ENSBTAG00000020590	4.60E-11	1.16E-10	FZD2	3.97E-01
ENSBTAG00000014278	1.79E-10	4.40E-10	TBX2	4.08E-01
ENSBTAG00000004680	1.44E-10	3.18E-10	SLC13A5	4.52E-01
ENSBTAG00000009635	2.89E-10	6.35E-10	HEATR6	4.55E-01
ENSBTAG00000011456	2.98E-10	6.45E-10	NT5C3B	4.62E-01
ENSBTAG00000033298	2.87E-10	6.03E-10		4.75E-01
ENSBTAG00000013906	1.76E-10	3.71E-10		4.75E-01
ENSBTAG00000009864	2.78E-10	5.72E-10	B4GALNT2	4.86E-01
ENSBTAG00000015739	2.89E-10	5.92E-10	MRC2	4.89E-01
ENSBTAG00000016344	2.52E-10	5.12E-10	PIK3R6	4.92E-01
ENSBTAG00000003699	1.04E-10	2.04E-10	ZFP3	5.09E-01
ENSBTAG00000047186	3.72E-10	7.20E-10		5.17E-01
ENSBTAG00000021720	1.02E-10	1.92E-10	MRPL27	5.30E-01
ENSBTAG00000021427	4.44E-11	8.39E-11	HOXB3	5.29E-01
ENSBTAG00000003733	7.77E-11	1.47E-10	TM4SF5	5.29E-01
ENSBTAG00000046283	1.77E-10	3.35E-10		5.28E-01
ENSBTAG00000018416	2.82E-10	5.17E-10	CCDC42	5.45E-01
ENSBTAG00000002282	2.24E-10	4.04E-10	EIF1	5.56E-01
ENSBTAG00000033766	2.67E-10	4.81E-10	KRT16	5.55E-01
ENSBTAG00000016133	1.27E-10	2.23E-10	MRPS7	5.68E-01
ENSBTAG000000039012	1.90E-10	3.36E-10		5.66E-01
ENSBTAG00000020115	2.82E-10	4.90E-10	UBE2O	5.76E-01
ENSBTAG00000046966	9.06E-11	1.52E-10	NATD1	5.96E-01
ENSBTAG00000021302	5.97E-11	1.00E-10	CHAD	5.98E-01
ENSBTAG00000046595	3.59E-10	6.01E-10		5.97E-01
ENSBTAG00000002654	1.98E-10	3.22E-10	DNAJC7	6.15E-01
ENSBTAG00000047689	6.16E-10	9.99E-10		6.16E-01
ENSBTAG00000009407	1.47E-10	2.39E-10	MBTD1	6.16E-01
ENSBTAG000000034396	3.80E-10	6.17E-10	PIGW	6.16E-01
ENSBTAG00000039119	2.65E-10	4.18E-10		6.35E-01
ENSBTAG00000045667	3.48E-10	5.48E-10		6.34E-01
ENSBTAG00000008940	5.12E-11	8.07E-11	NPTX1	6.35E-01
ENSBTAG00000001615	1.03E-10	1.61E-10	RUNDC3A	6.37E-01
ENSBTAG00000045964	1.22E-10	1.92E-10		6.34E-01
ENSBTAG00000012040	1.13E-10	1.78E-10	GIT1	6.34E-01
ENSBTAG000000037665	1.04E-09	1.57E-09		6.60E-01
ENSBTAG00000010566	8.81E-11	1.33E-10	TMEM11	6.62E-01
ENSBTAG00000015518	2.40E-10	3.59E-10	KRT12	6.68E-01
ENSBTAG00000046372	2.12E-10	3.14E-10		6.75E-01
ENSBTAG00000047760	1.63E-10	2.39E-10	DUS1L	6.81E-01
ENSBTAG00000015535	9.46E-11	1.39E-10	NEK8	6.81E-01
ENSBTAG00000020321	5.77E-11	8.48E-11	SNX11	6.80E-01
ENSBTAG00000010125	2.48E-10	3.63E-10	STAT5B	6.82E-01
ENSBTAG00000005978	3.04E-10	4.44E-10	PIK3R5	6.85E-01
ENSBTAG00000021301	2.27E-10	3.30E-10	ACSF2	6.89E-01
ENSBTAG00000047313	1.23E-09	1.78E-09		6.93E-01
ENSBTAG00000037811	3.07E-10	4.42E-10	CCL2	6.94E-01
ENSBTAG00000000546	1.84E-10	2.65E-10	TOB1	6.94E-01
ENSBTAG00000000202	2.02E-10	2.91E-10	SLC25A19	6.93E-01
ENSBTAG00000012103	9.62E-11	1.38E-10	MAP2K4	6.97E-01
ENSBTAG00000013645	2.08E-10	3.00E-10	RFFL	6.93E-01
ENSBTAG00000010559	1.32E-10	1.89E-10	DHRS7B	7.00E-01
ENSBTAG00000048099	6.82E-10	9.68E-10		7.05E-01
ENSBTAG00000019853	1.64E-10	2.32E-10	SMURF2	7.06E-01
ENSBTAG00000044019	2.13E-10	3.00E-10	KAT2A	7.10E-01
ENSBTAG00000046580	1.34E-10	1.89E-10	DHX58	7.10E-01
ENSBTAG00000046652	8.70E-10	1.21E-09		7.19E-01
ENSBTAG00000012344	3.35E-10	4.65E-10	RPL26	7.21E-01
ENSBTAG00000020061	1.44E-10	1.99E-10		7.25E-01
ENSBTAG00000019379	1.89E-10	2.60E-10	TUSC5	7.25E-01
ENSBTAG00000017461	1.80E-10	2.44E-10	SLC16A3	7.36E-01
ENSBTAG00000006072	9.06E-11	1.23E-10	LRRC59	7.37E-01
ENSBTAG00000025167	2.17E-10	2.94E-10	ABHD15	7.37E-01
ENSBTAG00000001290	3.12E-10	4.19E-10	TUBD1	7.45E-01
ENSBTAG00000007946	6.52E-10	8.75E-10	PIPOX	7.45E-01
ENSBTAG00000019391	1.39E-09	1.86E-09		7.48E-01

ENSBTAG00000010290	2.71E-10	3.57E-10	GGNBP2	7.59E-01
ENSBTAG00000012672	5.68E-10	7.31E-10	ZNHIT3	7.78E-01
ENSBTAG00000008883	3.19E-10	4.09E-10	ZNF207	7.80E-01
ENSBTAG00000015763	1.13E-09	1.45E-09	SPATA22	7.78E-01
ENSBTAG00000047992	1.07E-10	1.35E-10	C17orf107	7.95E-01
ENSBTAG00000008481	1.08E-09	1.36E-09		7.96E-01
ENSBTAG00000020340	1.41E-10	1.78E-10	ZNF830	7.94E-01
ENSBTAG00000039018	2.14E-09	2.70E-09	OR1G1	7.93E-01
ENSBTAG00000003280	1.50E-10	1.89E-10		7.93E-01
ENSBTAG000000033841	3.03E-10	3.82E-10		7.93E-01
ENSBTAG00000046458	1.85E-10	2.33E-10		7.95E-01
ENSBTAG00000001825	2.91E-10	3.67E-10	SP6	7.93E-01
ENSBTAG00000017663	3.55E-10	4.47E-10	GAST	7.94E-01
ENSBTAG000000037660	1.89E-10	2.39E-10		7.92E-01
ENSBTAG00000002441	4.50E-10	5.67E-10	PPY	7.94E-01
ENSBTAG00000016253	1.39E-10	1.75E-10	G6PC3	7.95E-01
ENSBTAG000000047870	5.27E-10	6.64E-10		7.94E-01
ENSBTAG000000032467	3.48E-10	4.38E-10		7.93E-01
ENSBTAG00000012854	4.14E-10	5.21E-10	GSDMB	7.94E-01
ENSBTAG00000021802	5.95E-11	7.50E-11	MIEN1	7.94E-01
ENSBTAG00000004690	3.50E-10	4.40E-10	CD300E	7.94E-01
ENSBTAG00000014355	6.15E-11	7.74E-11	MYCBPAP	7.94E-01
ENSBTAG00000045946	8.01E-11	1.01E-10	VMO1	7.93E-01
ENSBTAG000000047325	5.61E-11	7.07E-11	GNGT2	7.94E-01
ENSBTAG000000017081	8.56E-11	1.08E-10	MIEF2	7.93E-01
ENSBTAG000000035001	8.75E-11	1.10E-10		7.96E-01
ENSBTAG00000009979	7.24E-11	9.13E-11	HOXB2	7.94E-01
ENSBTAG00000011575	1.94E-10	2.45E-10	RFNG	7.94E-01
ENSBTAG000000039633	1.70E-09	2.14E-09		7.94E-01
ENSBTAG00000019349	4.11E-10	5.18E-10	SLC6A4	7.94E-01
ENSBTAG00000015299	7.75E-11	9.77E-11		7.94E-01
ENSBTAG000000025310	1.50E-10	1.88E-10		7.96E-01
ENSBTAG00000000042	8.78E-11	1.11E-10	PYCR1	7.91E-01
ENSBTAG00000007436	2.55E-10	3.22E-10	GGT6	7.93E-01
ENSBTAG00000025183	1.74E-10	2.19E-10		7.95E-01
ENSBTAG000000037604	1.69E-10	2.13E-10	EFNB3	7.92E-01
ENSBTAG00000047858	7.10E-10	8.95E-10		7.93E-01
ENSBTAG00000002664	1.69E-10	2.13E-10	WNT9B	7.92E-01
ENSBTAG00000046960	6.10E-10	7.68E-10		7.94E-01
ENSBTAG000000011454	4.26E-10	5.37E-10	FKBP10	7.93E-01
ENSBTAG00000010073	3.30E-10	4.15E-10	FLOT2	7.95E-01
ENSBTAG00000047515	2.76E-10	3.48E-10		7.94E-01
ENSBTAG00000015293	1.16E-10	1.46E-10	NXPH3	7.96E-01
ENSBTAG00000018176	1.49E-10	1.88E-10	C17orf62	7.94E-01
ENSBTAG00000024929	1.12E-10	1.41E-10	PPP1R27	7.94E-01
ENSBTAG00000022927	1.08E-10	1.36E-10	RAC3	7.92E-01
ENSBTAG00000011460	1.80E-10	2.27E-10		7.93E-01
ENSBTAG000000048216	1.21E-10	1.53E-10	BHLHA9	7.93E-01
ENSBTAG00000012675	9.05E-10	1.13E-09	MYO19	8.01E-01
ENSBTAG00000021303	6.14E-10	7.63E-10	RSAD1	8.05E-01
ENSBTAG00000018381	3.70E-10	4.59E-10	CRLF3	8.06E-01
ENSBTAG00000016740	2.87E-10	3.55E-10	ACLY	8.09E-01
ENSBTAG00000024926	6.82E-10	8.40E-10	TMEM235	8.12E-01
ENSBTAG00000030546	5.62E-10	6.91E-10	KRT26	8.14E-01
ENSBTAG00000010311	9.58E-10	1.17E-09	MRM1	8.19E-01
ENSBTAG00000010297	2.57E-10	3.13E-10	DHRS11	8.21E-01
ENSBTAG00000006807	5.36E-10	6.51E-10	KRT35	8.23E-01
ENSBTAG00000030519	6.86E-10	8.32E-10		8.24E-01
ENSBTAG00000011459	3.27E-10	3.96E-10	KLHL10	8.26E-01
ENSBTAG00000000831	4.03E-10	4.88E-10	CTNS	8.27E-01
ENSBTAG00000004129	6.53E-10	7.87E-10	CCL11	8.30E-01
ENSBTAG00000019317	4.23E-10	5.09E-10	GPS1	8.31E-01
ENSBTAG00000000589	5.47E-10	6.56E-10	CACNG4	8.33E-01
ENSBTAG00000019321	1.75E-10	2.10E-10	CCDC57	8.32E-01
ENSBTAG00000008744	1.92E-10	2.29E-10	PDK2	8.37E-01
ENSBTAG000000037553	5.71E-10	6.80E-10		8.40E-01
ENSBTAG00000007169	5.16E-10	6.14E-10	P2RX1	8.40E-01
ENSBTAG000000037560	6.51E-10	7.73E-10		8.42E-01
ENSBTAG00000004675	1.16E-10	1.37E-10	ZNF18	8.45E-01
ENSBTAG00000025313	3.74E-10	4.43E-10	DYNLL2	8.44E-01

ENSBTAG00000003334	4.33E-10	5.13E-10	ADAP2	8.45E-01
ENSBTAG00000000731	4.21E-10	4.95E-10	WFIKKN2	8.50E-01
ENSBTAG000000044204	4.16E-10	4.89E-10	CD79B	8.51E-01
ENSBTAG00000010001	4.89E-10	5.75E-10	RHOT1	8.50E-01
ENSBTAG00000019498	5.06E-10	5.93E-10	ITGA3	8.53E-01
ENSBTAG00000020992	4.67E-10	5.45E-10	RHBDL3	8.56E-01
ENSBTAG00000009332	3.67E-10	4.29E-10	TLL6	8.56E-01
ENSBTAG00000016799	3.52E-10	4.11E-10	ERN1	8.57E-01
ENSBTAG00000002267	2.82E-10	3.28E-10	ANKRD40	8.59E-01
ENSBTAG00000016384	9.05E-10	1.05E-09	KRT32	8.62E-01
ENSBTAG00000013100	2.12E-10	2.45E-10	SPAG5	8.65E-01
ENSBTAG00000004723	5.87E-10	6.81E-10	TEX2	8.62E-01
ENSBTAG00000025009	2.49E-10	2.88E-10	HOXB9	8.65E-01
ENSBTAG00000013698	4.06E-10	4.68E-10	TTC25	8.67E-01
ENSBTAG00000014687	4.44E-10	5.11E-10	TP53I13	8.69E-01
ENSBTAG00000000356	8.32E-10	9.56E-10	CCDC137	8.70E-01
ENSBTAG00000002279	1.78E-10	2.03E-10	LUC7L3	8.76E-01
ENSBTAG00000007238	5.29E-10	6.06E-10		8.73E-01
ENSBTAG00000040362	9.74E-10	1.11E-09		8.77E-01
ENSBTAG00000004746	1.99E-10	2.28E-10	HELZ	8.74E-01
ENSBTAG00000017225	3.98E-10	4.52E-10	RNF135	8.80E-01
ENSBTAG00000038990	1.35E-10	1.53E-10	TRAF4	8.81E-01
ENSBTAG00000038823	4.10E-10	4.66E-10		8.81E-01
ENSBTAG00000020994	1.40E-10	1.59E-10	C17orf75	8.81E-01
ENSBTAG000000046559	2.19E-09	2.48E-09		8.84E-01
ENSBTAG00000000033	3.70E-10	4.20E-10	PHOSPHO1	8.82E-01
ENSBTAG00000013792	2.80E-10	3.17E-10	UBALD2	8.82E-01
ENSBTAG00000013501	3.36E-10	3.81E-10	DHRS13	8.82E-01
ENSBTAG00000018699	5.54E-10	6.26E-10	KAT7	8.85E-01
ENSBTAG00000017380	3.29E-10	3.72E-10	MYO18A	8.83E-01
ENSBTAG00000000355	6.76E-10	7.62E-10	OXLD1	8.87E-01
ENSBTAG000000046162	1.88E-10	2.11E-10	ZNF385C	8.90E-01
ENSBTAG000000040111	1.22E-09	1.37E-09	OTOP3	8.93E-01
ENSBTAG00000000417	6.86E-10	7.69E-10		8.92E-01
ENSBTAG00000012293	2.41E-10	2.69E-10	SPAG9	8.95E-01
ENSBTAG00000001937	1.42E-10	1.59E-10		8.94E-01
ENSBTAG00000039954	8.08E-11	9.05E-11	COPZ2	8.93E-01
ENSBTAG00000020070	2.02E-10	2.26E-10	ABCC3	8.92E-01
ENSBTAG00000001119	2.23E-10	2.49E-10	ANKRD13B	8.95E-01
ENSBTAG000000007191	1.02E-09	1.14E-09	CCL5	8.95E-01
ENSBTAG00000011988	2.18E-10	2.42E-10	KIAA0100	8.99E-01
ENSBTAG00000004406	3.67E-10	4.08E-10		9.00E-01
ENSBTAG00000006048	4.62E-10	5.12E-10	DKAKD	9.02E-01
ENSBTAG00000030523	2.12E-10	2.34E-10		9.04E-01
ENSBTAG00000021916	2.54E-10	2.81E-10	MYL4	9.06E-01
ENSBTAG00000018172	1.36E-10	1.50E-10	OGFOD3	9.07E-01
ENSBTAG00000030166	6.82E-10	7.54E-10	BTBD17	9.05E-01
ENSBTAG000000036115	4.90E-10	5.42E-10		9.04E-01
ENSBTAG00000021523	5.01E-10	5.53E-10	STAT3	9.06E-01
ENSBTAG00000007547	8.61E-11	9.49E-11	CACNG1	9.07E-01
ENSBTAG00000019443	6.30E-10	6.92E-10	CTDNBP1	9.11E-01
ENSBTAG00000040521	1.85E-10	2.03E-10	SAMD14	9.13E-01
ENSBTAG00000011447	1.23E-10	1.34E-10	FAM171A2	9.19E-01
ENSBTAG00000013098	4.26E-10	4.66E-10	PIGS	9.14E-01
ENSBTAG000000048282	1.98E-09	2.17E-09		9.15E-01
ENSBTAG00000020338	2.91E-10	3.17E-10	CCT6B	9.17E-01
ENSBTAG00000013095	3.64E-10	3.96E-10	FOXN1	9.18E-01
ENSBTAG00000018752	2.10E-10	2.28E-10	SUZ12	9.19E-01
ENSBTAG00000031933	7.47E-10	8.11E-10		9.21E-01
ENSBTAG00000030548	6.28E-10	6.81E-10	KRT27	9.23E-01
ENSBTAG00000019115	2.16E-10	2.34E-10	CDC42EP4	9.24E-01
ENSBTAG00000004155	1.43E-10	1.55E-10	SPATA20	9.26E-01
ENSBTAG00000021681	6.08E-10	6.58E-10	PRR11	9.25E-01
ENSBTAG00000004036	5.31E-10	5.74E-10	GJC1	9.24E-01
ENSBTAG00000046394	1.98E-10	2.13E-10		9.28E-01
ENSBTAG00000007910	7.61E-10	8.22E-10	EXOC7	9.26E-01
ENSBTAG00000012739	6.37E-10	6.87E-10	C1QBP	9.27E-01
ENSBTAG00000046022	4.64E-10	5.00E-10	PYY	9.27E-01
ENSBTAG00000047043	2.95E-10	3.18E-10		9.27E-01
ENSBTAG00000030168	1.59E-10	1.72E-10	MIF4GD	9.25E-01

ENSBTAG00000045805	1.07E-10	1.16E-10		9.26E-01
ENSBTAG00000015527	5.15E-10	5.52E-10	MYO1D	9.33E-01
ENSBTAG00000009376	2.65E-10	2.83E-10	DPH1	9.37E-01
ENSBTAG00000016128	3.15E-10	3.37E-10	GGA3	9.34E-01
ENSBTAG00000039411	1.15E-09	1.22E-09		9.39E-01
ENSBTAG00000021292	3.41E-10	3.63E-10	ANKFN1	9.40E-01
ENSBTAG00000000560	8.18E-10	8.71E-10		9.39E-01
ENSBTAG00000017685	4.43E-10	4.72E-10	JUP	9.39E-01
ENSBTAG00000009496	2.80E-10	2.98E-10	STAT5A	9.41E-01
ENSBTAG00000020907	3.33E-10	3.54E-10	PSMC3IP	9.42E-01
ENSBTAG00000001885	3.34E-10	3.55E-10	COPRS	9.42E-01
ENSBTAG00000020629	4.19E-10	4.45E-10	UTP18	9.42E-01
ENSBTAG00000013096	2.76E-10	2.93E-10	UNC119	9.43E-01
ENSBTAG00000009298	1.17E-10	1.24E-10	XYLT2	9.45E-01
ENSBTAG00000009345	3.25E-10	3.43E-10	AMZ2	9.48E-01
ENSBTAG00000000833	4.00E-10	4.23E-10	TAX1BP3	9.46E-01
ENSBTAG00000009835	4.04E-10	4.27E-10	CACNA1G	9.46E-01
ENSBTAG00000040460	9.80E-10	1.03E-09	KRT23	9.51E-01
ENSBTAG00000013855	4.83E-10	5.09E-10	ORMDL3	9.48E-01
ENSBTAG00000020252	1.80E-10	1.89E-10	NLGN2	9.52E-01
ENSBTAG00000019986	2.20E-10	2.31E-10	CSNK1D	9.53E-01
ENSBTAG00000046174	3.90E-10	4.10E-10	GNA13	9.51E-01
ENSBTAG00000002726	1.80E-10	1.89E-10	CDC27	9.51E-01
ENSBTAG00000032372	6.63E-10	6.95E-10	GSG2	9.54E-01
ENSBTAG00000008747	7.48E-10	7.85E-10	DCXR	9.53E-01
ENSBTAG00000015593	2.78E-10	2.93E-10	KIAA0753	9.50E-01
ENSBTAG00000014682	3.98E-10	4.18E-10		9.53E-01
ENSBTAG00000021931	1.77E-10	1.86E-10		9.53E-01
ENSBTAG00000011731	5.85E-10	6.14E-10	PNMT	9.53E-01
ENSBTAG00000013395	4.11E-10	4.31E-10		9.54E-01
ENSBTAG00000016012	1.84E-10	1.93E-10	WNT3	9.51E-01
ENSBTAG00000011623	2.68E-10	2.81E-10	VMP1	9.55E-01
ENSBTAG00000010738	9.25E-10	9.70E-10	CCL14	9.53E-01
ENSBTAG00000007429	6.15E-10	6.43E-10		9.56E-01
ENSBTAG00000002773	8.11E-10	8.48E-10		9.56E-01
ENSBTAG00000017823	6.65E-10	6.95E-10	CFAP52	9.57E-01
ENSBTAG00000044138	4.79E-10	4.99E-10	METTL23	9.60E-01
ENSBTAG00000010292	3.53E-10	3.68E-10	SYNRG	9.60E-01
ENSBTAG00000013573	5.20E-10	5.40E-10	BIRC5	9.62E-01
ENSBTAG000000025140	3.96E-10	4.11E-10	DOC2B	9.63E-01
ENSBTAG000000037424	9.91E-10	1.03E-09		9.63E-01
ENSBTAG00000009711	6.19E-10	6.44E-10	RPA1	9.62E-01
ENSBTAG00000006881	2.04E-10	2.12E-10	SLC35B1	9.63E-01
ENSBTAG00000025242	4.57E-10	4.72E-10	C17orf78	9.69E-01
ENSBTAG00000021257	8.33E-10	8.60E-10	OTOP2	9.69E-01
ENSBTAG00000004651	4.39E-10	4.53E-10		9.70E-01
ENSBTAG00000017567	3.86E-10	3.98E-10	ACACA	9.71E-01
ENSBTAG000000046075	1.18E-09	1.21E-09		9.72E-01
ENSBTAG00000002816	2.86E-10	2.95E-10	SARM1	9.69E-01
ENSBTAG00000048152	5.61E-10	5.73E-10		9.78E-01
ENSBTAG00000012366	2.63E-10	2.70E-10	MRPS23	9.76E-01
ENSBTAG00000003695	1.64E-10	1.68E-10	WDR45B	9.77E-01
ENSBTAG00000008339	3.57E-10	3.63E-10	DHX8	9.83E-01
ENSBTAG00000018391	1.53E-10	1.56E-10	C17orf64	9.83E-01
ENSBTAG00000010313	2.43E-10	2.46E-10	DDX52	9.87E-01
ENSBTAG00000030175	6.95E-10	7.05E-10	FBF1	9.85E-01
ENSBTAG00000001621	6.16E-10	6.24E-10		9.87E-01
ENSBTAG00000007794	3.74E-10	3.79E-10	KRT20	9.88E-01
ENSBTAG00000013099	1.17E-10	1.18E-10	ALDOC	9.91E-01
ENSBTAG00000004489	3.36E-10	3.39E-10	APPBP2	9.90E-01
ENSBTAG00000021865	1.46E-10	1.47E-10	MED31	9.91E-01
ENSBTAG00000035706	3.72E-10	3.75E-10	MYOCD	9.92E-01
ENSBTAG000000011984	1.50E-10	1.51E-10		9.92E-01
ENSBTAG00000030209	1.02E-10	1.03E-10	ARHGDI1A	9.90E-01
ENSBTAG00000017409	7.91E-11	7.97E-11	DLX3	9.93E-01
ENSBTAG00000019903	2.22E-10	2.24E-10	RAMP2	9.91E-01
ENSBTAG00000022006	2.30E-10	2.32E-10	TRIM65	9.93E-01
ENSBTAG00000046907	2.66E-09	2.67E-09		9.97E-01
ENSBTAG00000025200	5.47E-10	5.47E-10	ASIC2	1.00E+00
ENSBTAG00000002680	3.05E-10	3.05E-10	TMEM132E	1.00E+00



ENSBTAG00000020433	5.85E-10	5.83E-10	NLRP1	1.00E+00
ENSBTAG00000000267	2.28E-10	2.27E-10	SMG6	1.00E+00
ENSBTAG00000006846	4.73E-10	4.69E-10		1.01E+00
ENSBTAG00000037794	7.14E-10	7.08E-10	MYH4	1.01E+00
ENSBTAG00000025752	5.44E-10	5.38E-10	P3H4	1.01E+00
ENSBTAG00000015406	2.15E-10	2.12E-10	ZNF750	1.01E+00
ENSBTAG00000012137	2.74E-10	2.70E-10	NTN1	1.01E+00
ENSBTAG00000004907	3.63E-10	3.58E-10	MINK1	1.01E+00
ENSBTAG00000014806	5.18E-10	5.10E-10	ATP2A3	1.02E+00
ENSBTAG00000006086	1.79E-10	1.76E-10	MMP28	1.02E+00
ENSBTAG00000000039	1.19E-10	1.17E-10	SIRT7	1.02E+00
ENSBTAG00000006894	8.05E-10	7.91E-10	NOS2	1.02E+00
ENSBTAG00000015893	1.56E-10	1.52E-10	EPN3	1.02E+00
ENSBTAG00000022509	4.10E-10	4.01E-10	DNAH9	1.02E+00
ENSBTAG00000015036	2.89E-10	2.82E-10	RAD51C	1.02E+00
ENSBTAG00000014433	2.72E-10	2.64E-10	UBE2G1	1.03E+00
ENSBTAG00000024950	9.01E-11	8.77E-11	ACE	1.03E+00
ENSBTAG00000032493	3.81E-10	3.71E-10	FAM134C	1.03E+00
ENSBTAG00000047956	1.53E-10	1.48E-10	NAGLU	1.03E+00
ENSBTAG00000021927	2.29E-10	2.21E-10	AATF	1.04E+00
ENSBTAG00000012071	3.95E-10	3.80E-10	ASGR1	1.04E+00
ENSBTAG00000018420	1.73E-10	1.67E-10	POLG2	1.04E+00
ENSBTAG00000014799	2.08E-10	1.99E-10	ARMC7	1.04E+00
ENSBTAG00000017268	1.85E-10	1.78E-10	PROCA1	1.04E+00
ENSBTAG00000046919	2.46E-10	2.36E-10	ADPRM	1.04E+00
ENSBTAG00000024490	9.54E-10	9.12E-10	ULBP27	1.05E+00
ENSBTAG00000033077	2.21E-10	2.11E-10	NUFIP2	1.05E+00
ENSBTAG00000018383	3.37E-10	3.22E-10	ATAD5	1.05E+00
ENSBTAG00000009427	1.36E-10	1.29E-10	PPM1D	1.05E+00
ENSBTAG00000015980	1.97E-10	1.88E-10	FASN	1.05E+00
ENSBTAG00000030539	5.12E-10	4.86E-10		1.05E+00
ENSBTAG00000020089	2.70E-10	2.57E-10		1.05E+00
ENSBTAG00000047717	1.57E-10	1.49E-10	FAM222B	1.05E+00
ENSBTAG00000011990	1.15E-10	1.08E-10	ALOX15	1.06E+00
ENSBTAG00000004787	1.78E-10	1.68E-10	METRNL	1.06E+00
ENSBTAG00000000920	5.68E-10	5.38E-10	DNAH17	1.06E+00
ENSBTAG00000013653	2.69E-11	2.55E-11	NFE2L1	1.06E+00
ENSBTAG00000047926	2.35E-10	2.22E-10	OVCA2	1.06E+00
ENSBTAG00000000354	3.81E-10	3.60E-10	PDE6G	1.06E+00
ENSBTAG000000019070	9.23E-10	8.73E-10	PMP22	1.06E+00
ENSBTAG00000046129	9.67E-11	9.14E-11	RAB34	1.06E+00
ENSBTAG00000018258	4.28E-10	4.04E-10		1.06E+00
ENSBTAG00000019914	9.66E-11	9.13E-11	BECN1	1.06E+00
ENSBTAG00000008009	2.35E-10	2.22E-10	PLD6	1.06E+00
ENSBTAG00000018823	9.38E-11	8.86E-11	GRN	1.06E+00
ENSBTAG00000008498	8.66E-11	8.18E-11	ALYREF	1.06E+00
ENSBTAG00000016736	2.50E-10	2.36E-10	HIGD1B	1.06E+00
ENSBTAG00000047604	1.31E-10	1.24E-10	HSD17B1	1.06E+00
ENSBTAG00000004108	2.71E-10	2.56E-10	CENPX	1.06E+00
ENSBTAG00000016126	2.70E-10	2.55E-10	NUP85	1.06E+00
ENSBTAG00000019463	7.21E-11	6.81E-11	SLC25A39	1.06E+00
ENSBTAG00000016847	5.15E-10	4.86E-10	ARL4D	1.06E+00
ENSBTAG00000008621	3.75E-10	3.54E-10	PRKAR1A	1.06E+00
ENSBTAG00000039587	5.22E-10	4.93E-10		1.06E+00
ENSBTAG00000038059	6.97E-10	6.58E-10		1.06E+00
ENSBTAG00000046124	8.27E-10	7.80E-10	KRT36	1.06E+00
ENSBTAG00000001120	1.19E-10	1.13E-10	CORO6	1.06E+00
ENSBTAG00000014002	1.88E-10	1.77E-10	CEP95	1.06E+00
ENSBTAG00000032457	2.48E-09	2.33E-09		1.06E+00
ENSBTAG00000008109	8.96E-10	8.41E-10	TMEM97	1.07E+00
ENSBTAG00000016972	4.11E-10	3.84E-10	RAB11FIP4	1.07E+00
ENSBTAG00000009708	2.70E-10	2.53E-10	SMYD4	1.07E+00
ENSBTAG00000004449	3.88E-10	3.62E-10	DGKE	1.07E+00
ENSBTAG00000003958	2.37E-10	2.21E-10	TMEM220	1.07E+00
ENSBTAG00000007193	4.74E-10	4.41E-10	CCL16	1.07E+00
ENSBTAG00000008110	5.46E-10	5.08E-10	IFT20	1.08E+00
ENSBTAG00000011736	2.69E-10	2.49E-10	IGF2BP1	1.08E+00
ENSBTAG00000004617	8.91E-10	8.25E-10	KIF19	1.08E+00
ENSBTAG00000030172	4.32E-10	3.99E-10	PRPSAP1	1.08E+00
ENSBTAG00000045606	1.69E-09	1.56E-09		1.08E+00

ENSBTAG00000006943	3.84E-10	3.54E-10	EFCAB3	1.08E+00
ENSBTAG00000001279	2.65E-10	2.45E-10	MPP2	1.08E+00
ENSBTAG000000015979	4.17E-10	3.85E-10	SEZ6	1.08E+00
ENSBTAG00000009029	4.42E-10	4.08E-10		1.08E+00
ENSBTAG000000018345	8.57E-10	7.89E-10	FBXO39	1.09E+00
ENSBTAG00000009948	6.93E-10	6.38E-10	TRIM25	1.09E+00
ENSBTAG000000030164	5.30E-10	4.88E-10	RPL38	1.09E+00
ENSBTAG000000030173	3.67E-10	3.37E-10	QRICH2	1.09E+00
ENSBTAG000000011717	4.27E-10	3.92E-10	SAP30BP	1.09E+00
ENSBTAG000000021723	1.41E-10	1.30E-10	EME1	1.09E+00
ENSBTAG00000008294	2.95E-10	2.71E-10	KCNJ2	1.09E+00
ENSBTAG00000001836	1.01E-09	9.29E-10		1.09E+00
ENSBTAG00000006051	2.26E-10	2.08E-10	NMT1	1.09E+00
ENSBTAG00000002898	9.93E-10	9.11E-10	UNC45B	1.09E+00
ENSBTAG00000001672	1.20E-09	1.10E-09		1.09E+00
ENSBTAG000000010155	2.87E-10	2.63E-10		1.09E+00
ENSBTAG000000018386	6.04E-10	5.53E-10	TEFM	1.09E+00
ENSBTAG00000004632	1.51E-10	1.39E-10		1.09E+00
ENSBTAG000000017242	9.12E-10	8.34E-10	FADS6	1.09E+00
ENSBTAG000000025149	4.68E-10	4.27E-10	RPAIN	1.10E+00
ENSBTAG000000001919	1.79E-10	1.63E-10	ZNF652	1.10E+00
ENSBTAG000000016708	2.85E-10	2.60E-10	CLTC	1.10E+00
ENSBTAG000000011616	7.23E-10	6.58E-10	MPO	1.10E+00
ENSBTAG000000013103	1.22E-10	1.11E-10	COL1A1	1.10E+00
ENSBTAG000000017751	4.67E-10	4.24E-10	RG9S	1.10E+00
ENSBTAG000000016710	3.63E-10	3.28E-10	PTRH2	1.11E+00
ENSBTAG000000016851	2.95E-10	2.67E-10	RPS6KB1	1.10E+00
ENSBTAG000000002982	5.99E-10	5.40E-10	PITPNM3	1.11E+00
ENSBTAG000000020316	2.85E-10	2.57E-10		1.11E+00
ENSBTAG000000039321	1.95E-10	1.75E-10		1.11E+00
ENSBTAG000000026645	1.82E-10	1.63E-10		1.11E+00
ENSBTAG000000005352	2.48E-10	2.23E-10	CRYBA1	1.11E+00
ENSBTAG000000001711	3.14E-10	2.82E-10		1.11E+00
ENSBTAG000000030334	1.21E-10	1.09E-10	AOC2	1.11E+00
ENSBTAG000000047510	4.04E-10	3.63E-10	SMIM6	1.11E+00
ENSBTAG000000006276	1.75E-10	1.57E-10	C1QTNF1	1.11E+00
ENSBTAG000000020520	3.61E-10	3.24E-10	RASD1	1.11E+00
ENSBTAG000000004915	1.73E-10	1.55E-10		1.11E+00
ENSBTAG000000015368	3.98E-10	3.56E-10	04-Sep	1.12E+00
ENSBTAG000000021231	2.14E-10	1.92E-10	KCTD2	1.12E+00
ENSBTAG000000002749	2.75E-10	2.45E-10	CRHR1	1.12E+00
ENSBTAG000000001998	1.05E-09	9.39E-10	ST6GALNAC1	1.12E+00
ENSBTAG000000009228	2.95E-10	2.63E-10	SRP68	1.12E+00
ENSBTAG000000007906	3.31E-10	2.94E-10	ZACN	1.13E+00
ENSBTAG000000016432	4.54E-10	4.03E-10	PEMT	1.13E+00
ENSBTAG000000020688	2.64E-10	2.34E-10	ARHGEF15	1.13E+00
ENSBTAG000000018518	1.28E-10	1.13E-10	RASL10B	1.14E+00
ENSBTAG000000011483	3.29E-10	2.90E-10	SCARF1	1.14E+00
ENSBTAG000000000571	3.75E-10	3.31E-10	ARHGAP27	1.13E+00
ENSBTAG000000019090	9.72E-11	8.57E-11	PLEKHH3	1.13E+00
ENSBTAG000000015339	2.05E-10	1.79E-10	ENDOV	1.14E+00
ENSBTAG000000008634	2.63E-10	2.31E-10	WBP2	1.14E+00
ENSBTAG000000003074	4.85E-10	4.24E-10	SLC16A6	1.14E+00
ENSBTAG000000047165	4.45E-10	3.88E-10	KRT9	1.15E+00
ENSBTAG000000020517	2.10E-10	1.83E-10	MED9	1.15E+00
ENSBTAG000000007437	4.07E-10	3.55E-10	TEKT1	1.15E+00
ENSBTAG000000018658	4.12E-10	3.59E-10	TNRC6C	1.15E+00
ENSBTAG000000012500	2.84E-10	2.48E-10	RARA	1.15E+00
ENSBTAG000000046944	6.97E-10	6.06E-10		1.15E+00
ENSBTAG000000018175	1.49E-10	1.29E-10	HEXDC	1.15E+00
ENSBTAG000000024983	2.10E-10	1.83E-10	FBXO47	1.15E+00
ENSBTAG000000004908	2.86E-10	2.47E-10	CHRNE	1.16E+00
ENSBTAG000000030555	3.30E-10	2.86E-10	KRT28	1.16E+00
ENSBTAG000000009036	1.16E-10	1.01E-10	SUPT6H	1.15E+00
ENSBTAG000000006916	2.81E-10	2.42E-10	TAF15	1.16E+00
ENSBTAG000000006886	1.04E-10	9.01E-11	FAM117A	1.16E+00
ENSBTAG000000020000	7.57E-10	6.53E-10	RAP1GAP2	1.16E+00
ENSBTAG000000003687	5.26E-10	4.52E-10	FOXK2	1.16E+00
ENSBTAG000000015133	2.80E-10	2.41E-10	CCR7	1.16E+00
ENSBTAG000000011007	1.08E-09	9.27E-10	TTYH2	1.17E+00

ENSBTAG00000047973	2.19E-10	1.88E-10		1.17E+00
ENSBTAG00000021780	2.92E-10	2.50E-10	SCO1	1.17E+00
ENSBTAG00000008120	4.77E-10	4.07E-10	TMEM199	1.17E+00
ENSBTAG00000031725	6.19E-10	5.28E-10	TNFSF12	1.17E+00
ENSBTAG00000021060	2.67E-10	2.28E-10	FTSJ3	1.17E+00
ENSBTAG00000025337	5.82E-10	4.96E-10	MYH13	1.17E+00
ENSBTAG00000008092	4.36E-10	3.69E-10	RAB37	1.18E+00
ENSBTAG00000045732	3.59E-10	3.03E-10	C17orf105	1.19E+00
ENSBTAG00000007935	2.01E-10	1.71E-10	CALCOCO2	1.18E+00
ENSBTAG00000017815	2.97E-10	2.51E-10	STX8	1.19E+00
ENSBTAG00000008154	1.32E-10	1.11E-10	LIMD2	1.19E+00
ENSBTAG00000005052	1.06E-09	8.93E-10	GLP2R	1.19E+00
ENSBTAG00000011527	1.15E-10	9.70E-11	NT5C	1.19E+00
ENSBTAG00000008165	7.52E-11	6.32E-11	ITGA2B	1.19E+00
ENSBTAG00000024910	9.98E-11	8.38E-11	GALR2	1.19E+00
ENSBTAG00000014766	6.59E-11	5.53E-11	SRSF1	1.19E+00
ENSBTAG00000008788	1.12E-10	9.41E-11	SLC13A2	1.19E+00
ENSBTAG00000039440	4.73E-10	3.97E-10		1.19E+00
ENSBTAG00000001868	1.72E-10	1.44E-10	PCYT2	1.19E+00
ENSBTAG00000020605	2.05E-10	1.72E-10	SMTNL2	1.19E+00
ENSBTAG00000039880	7.49E-10	6.28E-10		1.19E+00
ENSBTAG00000047777	4.36E-10	3.65E-10		1.19E+00
ENSBTAG00000001832	2.11E-10	1.77E-10	MRPL10	1.19E+00
ENSBTAG00000045769	7.93E-10	6.64E-10		1.19E+00
ENSBTAG00000002663	4.48E-10	3.75E-10	BCAS3	1.19E+00
ENSBTAG00000000032	1.86E-10	1.57E-10	ABI3	1.19E+00
ENSBTAG00000018920	1.11E-10	9.30E-11	TRIM47	1.19E+00
ENSBTAG00000021864	1.13E-10	9.47E-11	TXNDC17	1.19E+00
ENSBTAG00000012780	7.67E-10	6.41E-10	LPO	1.20E+00
ENSBTAG00000004223	2.66E-10	2.21E-10	SRR	1.20E+00
ENSBTAG00000000827	1.37E-10	1.15E-10	TAOK1	1.19E+00
ENSBTAG00000018126	3.35E-10	2.78E-10	VP53	1.21E+00
ENSBTAG00000015958	6.81E-10	5.64E-10		1.21E+00
ENSBTAG00000002817	4.11E-10	3.41E-10	SLC46A1	1.21E+00
ENSBTAG00000040042	2.42E-10	2.00E-10	GRIN2C	1.21E+00
ENSBTAG00000010899	4.94E-10	4.08E-10	TIMP2	1.21E+00
ENSBTAG00000047055	5.69E-10	4.69E-10		1.21E+00
ENSBTAG00000017512	3.52E-10	2.90E-10		1.21E+00
ENSBTAG00000005556	2.18E-10	1.79E-10	CYGB	1.22E+00
ENSBTAG000000004111	1.26E-10	1.03E-10	LRRC45	1.22E+00
ENSBTAG00000021938	2.01E-10	1.65E-10	ARHGAP44	1.22E+00
ENSBTAG00000007958	4.73E-10	3.88E-10	TNS4	1.22E+00
ENSBTAG00000030587	4.01E-10	3.28E-10	LASP1	1.22E+00
ENSBTAG00000044065	2.64E-10	2.14E-10		1.23E+00
ENSBTAG00000000855	3.04E-10	2.46E-10	NXN	1.23E+00
ENSBTAG00000032083	8.17E-10	6.62E-10	DHX33	1.23E+00
ENSBTAG00000004225	1.26E-10	1.02E-10	TSR1	1.24E+00
ENSBTAG000000008832	3.72E-10	3.01E-10	CCL1	1.24E+00
ENSBTAG00000008913	1.61E-10	1.30E-10	TMEM98	1.24E+00
ENSBTAG00000007220	5.62E-10	4.52E-10	CASKIN2	1.24E+00
ENSBTAG00000002850	6.75E-10	5.43E-10	HEATR9	1.24E+00
ENSBTAG00000016316	5.12E-10	4.11E-10	ZZEF1	1.25E+00
ENSBTAG00000021677	2.71E-10	2.18E-10	TRIM37	1.24E+00
ENSBTAG00000038889	2.99E-10	2.40E-10	RILP	1.25E+00
ENSBTAG00000039504	4.80E-10	3.84E-10		1.25E+00
ENSBTAG00000030162	4.85E-10	3.87E-10	AXIN2	1.25E+00
ENSBTAG00000006618	6.53E-10	5.20E-10	HLF	1.25E+00
ENSBTAG00000046670	2.19E-10	1.75E-10	MLX	1.25E+00
ENSBTAG00000015612	1.96E-10	1.56E-10	UTP6	1.26E+00
ENSBTAG00000016017	3.13E-10	2.49E-10	CCDC40	1.26E+00
ENSBTAG00000044195	4.89E-10	3.88E-10	SDK2	1.26E+00
ENSBTAG00000007430	4.30E-10	3.42E-10	MYBBP1A	1.26E+00
ENSBTAG00000015294	4.55E-10	3.61E-10	COX10	1.26E+00
ENSBTAG00000021939	4.35E-10	3.44E-10	ELAC2	1.26E+00
ENSBTAG00000019912	1.48E-10	1.16E-10	CNTD1	1.27E+00
ENSBTAG00000015387	5.02E-10	3.96E-10		1.27E+00
ENSBTAG00000040316	2.24E-10	1.77E-10	TMEM92	1.27E+00
ENSBTAG00000017220	1.93E-10	1.52E-10	GH	1.27E+00
ENSBTAG00000021227	1.38E-10	1.08E-10		1.27E+00
ENSBTAG00000003303	1.86E-10	1.46E-10	MRPL58	1.27E+00

ENSBTAG00000038316	1.46E-10	1.13E-10	GPATCH8	1.29E+00
ENSBTAG00000016319	2.98E-10	2.32E-10	CYB5D2	1.29E+00
ENSBTAG00000016254	2.78E-10	2.16E-10	HDAC5	1.28E+00
ENSBTAG00000015414	4.92E-10	3.82E-10	TBCD	1.29E+00
ENSBTAG00000038306	1.69E-10	1.31E-10	CBX2	1.29E+00
ENSBTAG00000008590	2.57E-10	1.99E-10	SPAG7	1.29E+00
ENSBTAG00000011359	3.13E-10	2.42E-10	CD7	1.29E+00
ENSBTAG00000015308	3.39E-10	2.61E-10	SMARCE1	1.30E+00
ENSBTAG00000015261	6.15E-10	4.74E-10	CARD14	1.30E+00
ENSBTAG00000018271	2.86E-10	2.20E-10	SLC38A10	1.30E+00
ENSBTAG00000005824	1.59E-10	1.23E-10	SPOP	1.29E+00
ENSBTAG00000018169	7.20E-10	5.53E-10	ITGB4	1.30E+00
ENSBTAG00000019105	3.58E-10	2.75E-10	NPLOC4	1.30E+00
ENSBTAG00000011003	1.94E-10	1.49E-10	IKZF3	1.30E+00
ENSBTAG00000019107	4.07E-10	3.12E-10	GAS7	1.31E+00
ENSBTAG00000014443	3.75E-10	2.87E-10		1.31E+00
ENSBTAG00000025078	5.79E-10	4.42E-10	LRRC75A	1.31E+00
ENSBTAG00000007866	5.40E-10	4.12E-10		1.31E+00
ENSBTAG00000017120	2.94E-10	2.24E-10	PHB	1.31E+00
ENSBTAG00000014598	3.08E-10	2.34E-10	BPTF	1.31E+00
ENSBTAG00000045500	1.68E-10	1.27E-10	SGSM2	1.32E+00
ENSBTAG00000000044	1.31E-10	9.87E-11	MYADML2	1.32E+00
ENSBTAG00000018840	1.59E-10	1.20E-10		1.33E+00
ENSBTAG00000008324	2.88E-10	2.17E-10		1.33E+00
ENSBTAG000000009705	1.05E-10	7.95E-11	SERPINF1	1.32E+00
ENSBTAG00000000540	2.04E-10	1.54E-10	RNF112	1.33E+00
ENSBTAG00000019660	1.04E-10	7.84E-11	TMUB2	1.32E+00
ENSBTAG00000006663	2.13E-10	1.61E-10	CYTH1	1.32E+00
ENSBTAG00000039599	1.45E-10	1.10E-10	HOXB4	1.32E+00
ENSBTAG00000002633	5.83E-10	4.38E-10		1.33E+00
ENSBTAG00000011480	2.54E-10	1.91E-10	PITPNA	1.33E+00
ENSBTAG00000007147	3.26E-10	2.44E-10	CUEDC1	1.34E+00
ENSBTAG00000021680	1.78E-10	1.33E-10	SKA2	1.34E+00
ENSBTAG00000019907	1.22E-10	9.10E-11	WNK4	1.34E+00
ENSBTAG00000008333	1.19E-10	8.85E-11	ETV4	1.34E+00
ENSBTAG00000003629	7.45E-10	5.56E-10	ASPA	1.34E+00
ENSBTAG00000015976	1.56E-10	1.16E-10	PHF12	1.35E+00
ENSBTAG00000030174	1.71E-10	1.28E-10	ACOX1	1.34E+00
ENSBTAG00000003956	2.01E-10	1.50E-10	SGCA	1.34E+00
ENSBTAG000000006785	2.62E-10	1.95E-10		1.34E+00
ENSBTAG00000020359	5.58E-10	4.13E-10	PLEKHM1	1.35E+00
ENSBTAG00000018315	1.48E-10	1.10E-10	PELP1	1.35E+00
ENSBTAG00000044038	5.90E-10	4.37E-10	TEN1	1.35E+00
ENSBTAG00000003075	3.23E-10	2.38E-10	DVL2	1.36E+00
ENSBTAG00000012845	1.35E-10	9.90E-11	SDF2	1.36E+00
ENSBTAG00000003229	2.26E-10	1.66E-10		1.36E+00
ENSBTAG00000016021	2.87E-10	2.10E-10	GAA	1.37E+00
ENSBTAG00000011715	4.59E-10	3.36E-10	RECQL5	1.37E+00
ENSBTAG00000007583	3.57E-10	2.60E-10	KRT14	1.37E+00
ENSBTAG00000025129	2.00E-10	1.45E-10	MNT	1.38E+00
ENSBTAG00000010637	4.64E-10	3.37E-10		1.38E+00
ENSBTAG00000001061	6.10E-10	4.42E-10	PRKCA	1.38E+00
ENSBTAG00000033680	4.61E-10	3.33E-10	CEP112	1.38E+00
ENSBTAG00000011786	1.39E-10	1.00E-10	CLUH	1.39E+00
ENSBTAG00000003365	2.28E-10	1.64E-10	SMG8	1.39E+00
ENSBTAG00000019122	4.85E-10	3.50E-10	EFCAB5	1.39E+00
ENSBTAG00000018689	6.64E-10	4.78E-10	LIG3	1.39E+00
ENSBTAG00000019082	1.06E-09	7.63E-10	RAD51D	1.39E+00
ENSBTAG00000025250	5.70E-10	4.09E-10		1.39E+00
ENSBTAG00000007176	3.03E-10	2.17E-10	GDPD1	1.40E+00
ENSBTAG00000034963	5.96E-10	4.27E-10	MKS1	1.39E+00
ENSBTAG00000046693	1.14E-09	8.17E-10		1.40E+00
ENSBTAG00000006937	1.15E-09	8.16E-10	ABCA10	1.41E+00
ENSBTAG00000018706	9.01E-10	6.43E-10		1.40E+00
ENSBTAG00000009987	4.29E-10	3.05E-10		1.41E+00
ENSBTAG00000022009	2.89E-10	2.05E-10	MRPL38	1.41E+00
ENSBTAG00000018661	6.89E-10	4.88E-10	TMC6	1.41E+00
ENSBTAG00000013685	3.46E-10	2.45E-10		1.41E+00
ENSBTAG00000012070	2.08E-10	1.47E-10	INTS2	1.42E+00
ENSBTAG00000001610	1.26E-10	8.92E-11	SLC4A1	1.42E+00

ENSBTAG00000010809	8.10E-10	5.73E-10	HID1	1.41E+00
ENSBTAG00000006606	2.23E-10	1.58E-10	RFLNB	1.41E+00
ENSBTAG00000000029	1.74E-10	1.23E-10	LYZL6	1.41E+00
ENSBTAG00000007125	3.91E-10	2.76E-10	AFMID	1.42E+00
ENSBTAG00000030170	2.35E-10	1.66E-10	HN1	1.41E+00
ENSBTAG000000031509	2.70E-10	1.89E-10	PFAS	1.43E+00
ENSBTAG000000025260	1.56E-09	1.10E-09		1.42E+00
ENSBTAG00000019448	3.32E-10	2.32E-10	CLDN7	1.43E+00
ENSBTAG00000040279	6.97E-10	4.87E-10	KRT24	1.43E+00
ENSBTAG000000018316	1.45E-10	1.01E-10	ZMYND15	1.43E+00
ENSBTAG00000004193	3.31E-10	2.30E-10	VEZF1	1.44E+00
ENSBTAG00000000120	6.72E-10	4.66E-10	USP43	1.44E+00
ENSBTAG00000008442	1.65E-10	1.14E-10	NSF	1.45E+00
ENSBTAG000000004710	1.52E-10	1.05E-10	HNF1B	1.45E+00
ENSBTAG000000011829	2.59E-10	1.78E-10	NF1	1.45E+00
ENSBTAG000000038745	4.74E-10	3.26E-10	CHMP6	1.45E+00
ENSBTAG000000040323	1.01E-09	6.94E-10		1.46E+00
ENSBTAG000000017868	4.28E-10	2.92E-10	DHX40	1.46E+00
ENSBTAG000000014677	2.00E-10	1.36E-10	TADA2A	1.47E+00
ENSBTAG000000011721	1.97E-10	1.34E-10	MED13	1.47E+00
ENSBTAG000000006280	4.12E-10	2.79E-10	RBFOX3	1.48E+00
ENSBTAG000000034681	5.07E-10	3.43E-10	CA10	1.48E+00
ENSBTAG000000011387	2.24E-10	1.52E-10	NAT9	1.47E+00
ENSBTAG000000030542	6.89E-10	4.66E-10	KRT25	1.48E+00
ENSBTAG000000016621	3.11E-10	2.10E-10	NCBP3	1.48E+00
ENSBTAG000000000056	1.67E-10	1.13E-10	STRADA	1.48E+00
ENSBTAG000000035147	1.21E-09	8.22E-10	C17orf67	1.48E+00
ENSBTAG000000019162	5.21E-10	3.51E-10	MRM3	1.48E+00
ENSBTAG000000033562	2.12E-10	1.42E-10	LHX1	1.49E+00
ENSBTAG000000038138	2.22E-10	1.49E-10		1.49E+00
ENSBTAG000000018260	7.55E-10	5.07E-10	MFSD11	1.49E+00
ENSBTAG000000012068	3.50E-10	2.34E-10	BRIP1	1.49E+00
ENSBTAG0000000001735	2.25E-10	1.50E-10	ADAM11	1.50E+00
ENSBTAG000000006277	1.60E-10	1.06E-10	ENGASE	1.51E+00
ENSBTAG000000038126	4.28E-10	2.86E-10	WIPF2	1.50E+00
ENSBTAG000000015264	6.49E-10	4.32E-10	ITGAE	1.50E+00
ENSBTAG000000014199	1.18E-10	7.88E-11	TBX21	1.50E+00
ENSBTAG000000019432	7.05E-10	4.68E-10	ICAM2	1.51E+00
ENSBTAG000000006045	1.39E-10	9.30E-11	P4HB	1.50E+00
ENSBTAG000000013392	2.53E-10	1.68E-10	PLD2	1.51E+00
ENSBTAG000000019044	5.48E-10	3.63E-10	BAIAP2	1.51E+00
ENSBTAG00000008151	2.42E-10	1.61E-10	MAP3K3	1.50E+00
ENSBTAG000000001368	4.73E-10	3.13E-10	LGALS3BP	1.51E+00
ENSBTAG000000004736	3.16E-10	2.09E-10	GRB2	1.51E+00
ENSBTAG000000014825	2.56E-10	1.68E-10	NLK	1.52E+00
ENSBTAG000000039556	6.45E-10	4.24E-10	WIP1	1.52E+00
ENSBTAG000000015352	3.87E-10	2.54E-10	MTMR4	1.52E+00
ENSBTAG000000012371	1.37E-10	8.98E-11	CPD	1.53E+00
ENSBTAG000000001804	1.45E-10	9.45E-11	GPR179	1.53E+00
ENSBTAG000000017252	5.50E-10	3.59E-10	USH1G	1.53E+00
ENSBTAG000000000030	2.17E-10	1.41E-10	RDM1	1.54E+00
ENSBTAG000000016240	3.60E-10	2.35E-10	RNF157	1.53E+00
ENSBTAG000000039765	7.78E-10	5.07E-10		1.53E+00
ENSBTAG000000006052	2.35E-10	1.53E-10	PLCD3	1.54E+00
ENSBTAG000000008116	6.77E-10	4.39E-10	POLDIP2	1.54E+00
ENSBTAG000000024915	7.53E-10	4.86E-10		1.55E+00
ENSBTAG00000008115	3.31E-10	2.14E-10	TNFAIP1	1.55E+00
ENSBTAG000000002747	9.19E-10	5.93E-10	ABCA5	1.55E+00
ENSBTAG000000039563	5.81E-10	3.74E-10		1.55E+00
ENSBTAG000000007893	1.16E-09	7.49E-10	SCPEP1	1.55E+00
ENSBTAG000000011479	2.21E-10	1.42E-10	INPP5K	1.56E+00
ENSBTAG000000010534	2.28E-10	1.46E-10	MPRIP	1.56E+00
ENSBTAG000000039819	5.71E-10	3.63E-10	RPH3AL	1.57E+00
ENSBTAG000000004249	3.59E-10	2.27E-10	TANC2	1.58E+00
ENSBTAG000000023970	1.07E-10	6.76E-11		1.59E+00
ENSBTAG000000006601	4.09E-10	2.58E-10	KSR1	1.58E+00
ENSBTAG000000048085	1.40E-10	8.83E-11		1.59E+00
ENSBTAG000000006056	1.71E-10	1.08E-10	HEXIM1	1.59E+00
ENSBTAG000000046746	2.01E-10	1.27E-10	COASY	1.58E+00
ENSBTAG000000014964	2.26E-10	1.42E-10	GALK1	1.59E+00

ENSBTAG0000000824	2.78E-10	1.75E-10	TSEN54	1.59E+00
ENSBTAG00000018339	7.72E-11	4.86E-11	ATP5G1	1.59E+00
ENSBTAG00000024995	3.49E-10	2.19E-10		1.59E+00
ENSBTAG00000048034	1.25E-10	7.87E-11	GLTPD2	1.59E+00
ENSBTAG0000004905	8.54E-11	5.38E-11	KRT19	1.59E+00
ENSBTAG00000013532	3.89E-10	2.45E-10		1.59E+00
ENSBTAG00000000040	5.90E-11	3.72E-11	MAFG	1.59E+00
ENSBTAG00000005462	8.75E-11	5.51E-11	FXR2	1.59E+00
ENSBTAG00000020859	8.61E-11	5.42E-11	SERPINF2	1.59E+00
ENSBTAG00000013523	2.10E-10	1.32E-10	OSBPL7	1.59E+00
ENSBTAG00000011730	2.71E-10	1.71E-10	TCAP	1.59E+00
ENSBTAG00000018808	1.25E-10	7.87E-11	SLC25A35	1.59E+00
ENSBTAG00000002657	3.13E-10	1.97E-10	NKIRAS2	1.59E+00
ENSBTAG00000017739	1.73E-10	1.09E-10	TNK1	1.59E+00
ENSBTAG00000001828	1.49E-10	9.41E-11	SCRN2	1.59E+00
ENSBTAG00000014881	2.26E-10	1.42E-10	PHF23	1.59E+00
ENSBTAG00000018837	9.07E-10	5.70E-10	SLC39A11	1.59E+00
ENSBTAG00000005461	1.81E-10	1.14E-10	SOX15	1.59E+00
ENSBTAG00000004909	6.75E-10	4.24E-10	GP1BA	1.59E+00
ENSBTAG00000024942	2.30E-10	1.45E-10	RPRML	1.59E+00
ENSBTAG00000003786	1.20E-10	7.58E-11	GCGR	1.59E+00
ENSBTAG00000019906	2.07E-10	1.30E-10	VPS25	1.59E+00
ENSBTAG00000047049	1.20E-09	7.51E-10		1.60E+00
ENSBTAG00000016732	8.22E-10	5.16E-10	DNAI2	1.59E+00
ENSBTAG00000000134	1.45E-10	9.11E-11	MPDU1	1.59E+00
ENSBTAG00000021151	3.89E-10	2.43E-10	MYH10	1.60E+00
ENSBTAG00000016806	1.28E-10	8.00E-11	PAFAH1B1	1.60E+00
ENSBTAG00000019160	1.20E-09	7.50E-10	GLOD4	1.60E+00
ENSBTAG00000016613	2.20E-10	1.36E-10	KCNH6	1.61E+00
ENSBTAG00000011343	4.31E-10	2.67E-10	XAF1	1.61E+00
ENSBTAG00000018178	2.16E-10	1.33E-10	NARF	1.63E+00
ENSBTAG00000013469	2.33E-10	1.44E-10	SRCIN1	1.62E+00
ENSBTAG000000038770	4.94E-10	3.04E-10		1.62E+00
ENSBTAG00000015255	5.46E-10	3.35E-10	ST6GALNAC2	1.63E+00
ENSBTAG00000009702	2.39E-10	1.47E-10	MYH8	1.62E+00
ENSBTAG00000017440	1.66E-10	1.01E-10		1.64E+00
ENSBTAG00000013677	7.02E-10	4.28E-10	SEC14L1	1.64E+00
ENSBTAG00000016776	1.79E-10	1.08E-10	BAHCC1	1.66E+00
ENSBTAG00000020432	4.65E-10	2.81E-10	MIS12	1.65E+00
ENSBTAG00000005665	1.02E-10	6.18E-11	CRK	1.65E+00
ENSBTAG00000008591	2.94E-10	1.77E-10	CAMTA2	1.66E+00
ENSBTAG00000016252	1.91E-10	1.15E-10	LSM12	1.66E+00
ENSBTAG00000016078	7.96E-10	4.77E-10		1.67E+00
ENSBTAG00000008010	2.25E-10	1.35E-10		1.67E+00
ENSBTAG00000006525	9.48E-10	5.68E-10	FDXR	1.67E+00
ENSBTAG00000017408	2.42E-10	1.45E-10	KRT40	1.67E+00
ENSBTAG00000021505	4.17E-10	2.49E-10	USP36	1.67E+00
ENSBTAG00000002564	2.26E-10	1.35E-10	DLG4	1.67E+00
ENSBTAG00000007121	1.16E-10	6.94E-11	TK1	1.67E+00
ENSBTAG00000019446	2.74E-10	1.63E-10	ELP5	1.68E+00
ENSBTAG00000016287	3.54E-10	2.10E-10	UNK	1.68E+00
ENSBTAG00000015639	3.09E-10	1.83E-10	ERAL1	1.69E+00
ENSBTAG00000001110	1.47E-10	8.73E-11	SLC16A5	1.69E+00
ENSBTAG00000011382	2.34E-10	1.38E-10	SLC9A3R1	1.70E+00
ENSBTAG00000008327	1.18E-09	6.92E-10	CD300LB	1.70E+00
ENSBTAG00000008611	2.12E-10	1.25E-10	IGFBP4	1.70E+00
ENSBTAG00000012478	1.79E-10	1.05E-10	ALOXE3	1.70E+00
ENSBTAG00000047770	1.33E-09	7.76E-10		1.71E+00
ENSBTAG00000001915	2.63E-10	1.53E-10	APOH	1.72E+00
ENSBTAG00000005534	2.07E-10	1.20E-10	ENO3	1.72E+00
ENSBTAG00000019218	1.23E-10	7.13E-11	ATP6V0A1	1.72E+00
ENSBTAG00000001332	1.26E-10	7.23E-11	MYO1C	1.73E+00
ENSBTAG00000000829	3.43E-10	1.98E-10		1.73E+00
ENSBTAG00000024974	1.30E-10	7.42E-11	HEXIM2	1.75E+00
ENSBTAG00000009782	1.15E-10	6.56E-11	CBX4	1.75E+00
ENSBTAG00000021091	5.26E-10	3.01E-10	ANKFY1	1.75E+00
ENSBTAG00000013740	2.65E-10	1.52E-10	SP2	1.75E+00
ENSBTAG00000020078	2.73E-10	1.56E-10	KRT39	1.75E+00
ENSBTAG00000010674	1.67E-09	9.47E-10		1.76E+00
ENSBTAG00000024901	1.81E-09	1.02E-09		1.77E+00

ENSBTAG00000019341	2.19E-10	1.23E-10	NSRP1	1.78E+00
ENSBTAG00000011011	1.90E-10	1.07E-10	SSH2	1.77E+00
ENSBTAG00000010519	6.23E-11	3.49E-11		1.78E+00
ENSBTAG00000007409	3.41E-10	1.91E-10	MILR1	1.78E+00
ENSBTAG00000008773	1.53E-10	8.55E-11	GUCY2D	1.79E+00
ENSBTAG00000020431	4.34E-10	2.42E-10	DERL2	1.79E+00
ENSBTAG00000004913	3.13E-10	1.75E-10		1.79E+00
ENSBTAG00000045899	1.58E-09	8.79E-10		1.80E+00
ENSBTAG00000004637	4.39E-10	2.44E-10	10-Mar	1.80E+00
ENSBTAG00000010375	2.09E-10	1.16E-10		1.80E+00
ENSBTAG00000019104	3.05E-10	1.69E-10	FAAP100	1.80E+00
ENSBTAG00000025320	2.40E-10	1.33E-10	AKAP1	1.80E+00
ENSBTAG00000019153	3.53E-10	1.95E-10	JMJD6	1.81E+00
ENSBTAG00000011389	2.40E-10	1.32E-10	TMEM104	1.82E+00
ENSBTAG00000038910	4.40E-10	2.41E-10		1.83E+00
ENSBTAG00000024903	6.57E-10	3.59E-10	KCNJ16	1.83E+00
ENSBTAG00000013236	1.19E-10	6.47E-11	MED1	1.83E+00
ENSBTAG00000007090	1.47E-10	7.92E-11		1.85E+00
ENSBTAG00000018973	2.93E-10	1.59E-10	COPS3	1.84E+00
ENSBTAG00000021468	3.74E-10	2.02E-10	MED24	1.85E+00
ENSBTAG00000010517	4.62E-10	2.50E-10	EVPL	1.85E+00
ENSBTAG00000025130	1.49E-10	8.02E-11	HIC1	1.85E+00
ENSBTAG00000009747	5.44E-11	2.94E-11	RNFT1	1.85E+00
ENSBTAG00000019662	7.14E-11	3.86E-11	ATXN7L3	1.85E+00
ENSBTAG00000010384	1.57E-10	8.46E-11	CDC6	1.85E+00
ENSBTAG00000008507	2.71E-10	1.46E-10	SPHK1	1.86E+00
ENSBTAG00000000573	7.70E-10	4.10E-10		1.88E+00
ENSBTAG00000031107	4.61E-10	2.45E-10	HS3ST3A1	1.88E+00
ENSBTAG00000003889	2.82E-10	1.49E-10	PER1	1.89E+00
ENSBTAG00000005104	5.95E-10	3.14E-10	MGAT5B	1.89E+00
ENSBTAG00000040229	1.57E-09	8.26E-10		1.90E+00
ENSBTAG00000009126	1.64E-10	8.59E-11	YBX2	1.90E+00
ENSBTAG00000013526	4.91E-10	2.57E-10	EFTUD2	1.91E+00
ENSBTAG00000005067	8.60E-11	4.51E-11	UBTF	1.90E+00
ENSBTAG00000003289	6.71E-10	3.51E-10		1.91E+00
ENSBTAG00000008328	9.55E-10	4.96E-10		1.92E+00
ENSBTAG00000015656	5.84E-10	3.03E-10	WSCD1	1.93E+00
ENSBTAG00000040573	3.52E-10	1.83E-10	TSPAN10	1.93E+00
ENSBTAG00000021933	2.12E-10	1.10E-10	ALOX12	1.93E+00
ENSBTAG00000027274	2.49E-10	1.29E-10		1.93E+00
ENSBTAG00000021370	1.24E-10	6.39E-11	BLMH	1.94E+00
ENSBTAG00000007166	4.02E-10	2.07E-10	CAMKK1	1.94E+00
ENSBTAG00000019806	2.06E-10	1.06E-10	YPEL2	1.95E+00
ENSBTAG00000001071	1.87E-10	9.61E-11	WRAP53	1.95E+00
ENSBTAG00000000641	1.57E-10	8.02E-11	SKAP1	1.96E+00
ENSBTAG00000000020	6.69E-10	3.38E-10	TRPV3	1.98E+00
ENSBTAG00000013390	1.85E-10	9.32E-11	PSMB6	1.99E+00
ENSBTAG00000002949	6.43E-11	3.24E-11	CBX1	1.98E+00
ENSBTAG00000013959	2.21E-10	1.11E-10	GPR142	1.99E+00
ENSBTAG0000001041	2.06E-10	1.04E-10		1.98E+00
ENSBTAG00000025257	2.63E-10	1.32E-10		1.99E+00
ENSBTAG00000017345	5.52E-10	2.77E-10	KIF2B	1.99E+00
ENSBTAG00000019812	1.72E-10	8.64E-11	MCRIP1	1.99E+00
ENSBTAG00000019658	1.63E-10	8.21E-11	ASB16	1.99E+00
ENSBTAG00000039933	3.69E-10	1.86E-10	LRRC3C	1.98E+00
ENSBTAG00000004496	3.92E-10	1.97E-10	TVP23B	1.99E+00
ENSBTAG00000003072	2.37E-10	1.19E-10	ACADVL	1.99E+00
ENSBTAG00000047458	1.32E-09	6.60E-10		2.00E+00
ENSBTAG00000013273	7.12E-10	3.54E-10	PIGL	2.01E+00
ENSBTAG00000002605	7.99E-10	3.98E-10		2.01E+00
ENSBTAG00000007389	2.27E-10	1.13E-10	IFI35	2.00E+00
ENSBTAG00000007013	6.37E-10	3.14E-10	TOM1L1	2.03E+00
ENSBTAG00000001609	8.92E-10	4.39E-10	MAP2K6	2.03E+00
ENSBTAG00000003966	3.08E-10	1.52E-10	DUSP3	2.03E+00
ENSBTAG00000004196	2.01E-10	9.88E-11	FMNL1	2.03E+00
ENSBTAG00000024934	9.07E-10	4.46E-10		2.03E+00
ENSBTAG00000030333	6.71E-10	3.30E-10		2.03E+00
ENSBTAG00000003192	2.49E-10	1.22E-10	TBC1D16	2.04E+00
ENSBTAG00000019723	3.50E-10	1.71E-10	PEX12	2.05E+00
ENSBTAG00000006054	2.24E-10	1.10E-10	ACBD4	2.04E+00

ENSBTAG0000002883	3.54E-10	1.73E-10	RPTOR	2.04E+00
ENSBTAG00000022520	1.42E-10	6.89E-11	BRCA1	2.05E+00
ENSBTAG00000016544	4.43E-10	2.16E-10	SLC47A1	2.05E+00
ENSBTAG00000002981	2.65E-10	1.28E-10	FAM64A	2.07E+00
ENSBTAG00000000675	3.79E-10	1.83E-10	PGS1	2.07E+00
ENSBTAG00000045621	1.87E-10	8.85E-11	C17orf50	2.12E+00
ENSBTAG00000018880	5.20E-10	2.45E-10	TRPV1	2.12E+00
ENSBTAG00000020853	1.88E-10	8.86E-11	SLC16A13	2.12E+00
ENSBTAG00000018170	5.70E-10	2.68E-10	UTS2R	2.13E+00
ENSBTAG00000016023	2.79E-10	1.32E-10	EIF4A3	2.12E+00
ENSBTAG00000039161	4.68E-10	2.20E-10	ALDH3A2	2.13E+00
ENSBTAG00000011532	2.03E-10	9.43E-11	MLLT6	2.15E+00
ENSBTAG00000004770	7.86E-10	3.64E-10	SCN4A	2.16E+00
ENSBTAG00000011505	2.48E-10	1.15E-10	RABEP1	2.16E+00
ENSBTAG00000008424	5.11E-10	2.35E-10	ABR	2.17E+00
ENSBTAG00000016175	4.92E-10	2.25E-10	SPNS3	2.19E+00
ENSBTAG00000001085	8.86E-10	4.04E-10	FAM20A	2.19E+00
ENSBTAG00000006088	6.30E-10	2.87E-10	FAM104A	2.20E+00
ENSBTAG00000037943	1.52E-09	6.91E-10		2.20E+00
ENSBTAG00000008371	2.38E-10	1.08E-10	FBXL20	2.20E+00
ENSBTAG00000001069	2.39E-10	1.09E-10	TP53	2.19E+00
ENSBTAG000000030820	4.90E-10	2.21E-10	NT5M	2.21E+00
ENSBTAG00000015258	4.25E-10	1.92E-10		2.21E+00
ENSBTAG000000021798	2.30E-10	1.03E-10	ERBB2	2.23E+00
ENSBTAG000000020067	5.77E-10	2.60E-10	LLGL2	2.22E+00
ENSBTAG000000021062	1.35E-10	6.09E-11	SMARCD2	2.22E+00
ENSBTAG00000004961	2.43E-10	1.08E-10	GOSR1	2.25E+00
ENSBTAG00000019097	9.69E-11	4.31E-11	CNTNAP1	2.25E+00
ENSBTAG00000003436	3.06E-10	1.36E-10	RHBDF2	2.25E+00
ENSBTAG00000001166	5.24E-10	2.32E-10	HSF5	2.26E+00
ENSBTAG00000004768	2.90E-10	1.28E-10	RAI1	2.27E+00
ENSBTAG000000046765	3.97E-10	1.74E-10	POLR2A	2.28E+00
ENSBTAG00000003802	5.58E-10	2.41E-10	TEKT3	2.31E+00
ENSBTAG00000006087	6.46E-10	2.79E-10	COG1	2.32E+00
ENSBTAG00000000411	4.76E-10	2.05E-10	HGS	2.32E+00
ENSBTAG000000020119	5.56E-10	2.39E-10	RNF43	2.33E+00
ENSBTAG000000031084	3.66E-10	1.55E-10	CDRT4	2.36E+00
ENSBTAG00000018519	1.40E-10	5.89E-11	GAS2L2	2.38E+00
ENSBTAG000000020253	1.92E-10	8.04E-11	SPEM1	2.38E+00
ENSBTAG000000006189	8.63E-11	3.62E-11		2.38E+00
ENSBTAG00000000133	1.19E-10	4.98E-11	CD68	2.38E+00
ENSBTAG00000012249	9.00E-11	3.78E-11	PRR15L	2.38E+00
ENSBTAG00000007916	1.55E-10	6.50E-11	FOXJ1	2.38E+00
ENSBTAG000000003700	2.99E-10	1.26E-10	SLC5A10	2.38E+00
ENSBTAG000000002060	1.40E-10	5.87E-11	RPL19	2.38E+00
ENSBTAG000000024909	4.15E-10	1.74E-10		2.38E+00
ENSBTAG000000033270	2.54E-10	1.07E-10	SEBOX	2.37E+00
ENSBTAG000000044056	2.88E-10	1.21E-10	C17orf98	2.38E+00
ENSBTAG00000013680	1.54E-10	6.45E-11	ATP1B2	2.38E+00
ENSBTAG00000004222	1.48E-10	6.22E-11	SAT2	2.38E+00
ENSBTAG00000012302	1.83E-10	7.69E-11	RTN4RL1	2.38E+00
ENSBTAG000000039644	6.97E-10	2.91E-10		2.39E+00
ENSBTAG00000014940	1.84E-10	7.73E-11	KCNAB3	2.38E+00
ENSBTAG00000040237	6.21E-10	2.60E-10		2.39E+00
ENSBTAG000000045837	6.48E-10	2.71E-10		2.39E+00
ENSBTAG00000010788	3.41E-10	1.41E-10	PPM1E	2.42E+00
ENSBTAG00000039466	2.63E-10	1.07E-10	CDR2L	2.45E+00
ENSBTAG00000013534	2.21E-10	8.89E-11	GFAP	2.48E+00
ENSBTAG00000009968	6.05E-10	2.42E-10	TBX4	2.50E+00
ENSBTAG000000048278	8.95E-10	3.59E-10	C17orf47	2.49E+00
ENSBTAG00000011507	1.55E-10	6.19E-11	NUP88	2.50E+00
ENSBTAG000000046975	3.96E-10	1.58E-10		2.51E+00
ENSBTAG000000025762	2.67E-10	1.06E-10	CNP	2.52E+00
ENSBTAG00000013556	3.58E-10	1.41E-10	UNC13D	2.54E+00
ENSBTAG00000017366	1.50E-10	5.91E-11	GRB7	2.54E+00
ENSBTAG00000015140	1.65E-10	6.49E-11	RUNDC1	2.54E+00
ENSBTAG00000003705	3.12E-10	1.22E-10	FAM83G	2.55E+00
ENSBTAG000000000943	1.61E-10	6.30E-11		2.56E+00
ENSBTAG00000007581	3.36E-10	1.31E-10	ADORA2B	2.56E+00
ENSBTAG00000006896	1.19E-09	4.61E-10	ABCA9	2.57E+00



ENSBTAG00000004910	3.91E-10	1.51E-10	SLC25A11	2.59E+00
ENSBTAG00000007353	1.91E-10	7.39E-11	DLX4	2.58E+00
ENSBTAG00000003707	5.49E-10	2.12E-10		2.59E+00
ENSBTAG00000007217	4.55E-10	1.75E-10	TMEM94	2.60E+00
ENSBTAG00000011280	1.01E-10	3.83E-11	TBKBP1	2.64E+00
ENSBTAG00000001632	1.83E-10	6.90E-11	NBR1	2.65E+00
ENSBTAG00000007390	1.10E-10	4.14E-11	VAT1	2.65E+00
ENSBTAG00000038386	7.63E-10	2.87E-10		2.66E+00
ENSBTAG00000011834	2.77E-10	1.04E-10	CCDC47	2.66E+00
ENSBTAG00000010279	2.27E-10	8.46E-11	DUSP14	2.69E+00
ENSBTAG00000012564	1.82E-10	6.74E-11	KANSL1	2.69E+00
ENSBTAG00000011482	3.08E-10	1.13E-10	SLC43A2	2.72E+00
ENSBTAG00000019347	5.02E-10	1.83E-10	PLXDC1	2.74E+00
ENSBTAG00000010070	5.73E-10	2.07E-10	GSDMA	2.77E+00
ENSBTAG00000000131	1.44E-10	5.19E-11		2.78E+00
ENSBTAG00000012225	2.92E-10	1.05E-10	KPNA2	2.78E+00
ENSBTAG00000021061	1.25E-10	4.50E-11	PSMCS	2.77E+00
ENSBTAG00000011491	6.21E-11	2.24E-11		2.77E+00
ENSBTAG00000039607	2.03E-10	7.29E-11	PRCD	2.78E+00
ENSBTAG00000015390	3.32E-10	1.17E-10	FN3KRP	2.83E+00
ENSBTAG00000010167	4.33E-10	1.52E-10	TEX14	2.85E+00
ENSBTAG00000002423	2.62E-10	9.12E-11	PSMD12	2.87E+00
ENSBTAG00000020979	2.91E-10	1.01E-10	NGFR	2.88E+00
ENSBTAG00000004635	2.82E-10	9.74E-11	LLGL1	2.90E+00
ENSBTAG00000022489	3.15E-10	1.09E-10		2.89E+00
ENSBTAG00000010527	1.55E-10	5.31E-11	ACAP1	2.91E+00
ENSBTAG00000017275	5.45E-10	1.86E-10	COIL	2.93E+00
ENSBTAG00000000875	4.90E-10	1.67E-10	CEP131	2.93E+00
ENSBTAG00000003983	3.18E-10	1.08E-10	TOM1L2	2.95E+00
ENSBTAG00000007015	3.28E-10	1.11E-10	COX11	2.96E+00
ENSBTAG00000006921	1.01E-09	3.41E-10	ABCA6	2.96E+00
ENSBTAG00000015713	1.97E-10	6.61E-11	TLK2	2.97E+00
ENSBTAG00000001717	2.54E-10	8.52E-11	AURKB	2.98E+00
ENSBTAG00000013274	7.53E-10	2.52E-10	CENPV	2.99E+00
ENSBTAG00000021461	3.98E-10	1.33E-10	PSMD3	2.99E+00
ENSBTAG00000010509	3.63E-10	1.20E-10		3.02E+00
ENSBTAG00000031071	4.36E-10	1.41E-10	ZNF624	3.09E+00
ENSBTAG00000011488	4.31E-10	1.39E-10	PRPF8	3.10E+00
ENSBTAG00000001830	7.40E-11	2.33E-11	LRRC46	3.17E+00
ENSBTAG000000016251	9.36E-11	2.95E-11	TMEM101	3.17E+00
ENSBTAG00000039684	2.09E-10	6.56E-11	PTRF	3.18E+00
ENSBTAG00000005546	2.71E-10	8.51E-11	HOXB7	3.18E+00
ENSBTAG00000031998	9.18E-11	2.89E-11	CXCL16	3.17E+00
ENSBTAG00000003891	2.68E-10	8.44E-11	VAMP2	3.18E+00
ENSBTAG00000020854	2.47E-10	7.76E-11	BCL6B	3.18E+00
ENSBTAG00000008368	4.01E-10	1.26E-10		3.18E+00
ENSBTAG00000010745	3.18E-10	1.00E-10	THRA	3.18E+00
ENSBTAG000000037529	3.17E-10	9.97E-11		3.18E+00
ENSBTAG00000039299	4.98E-10	1.56E-10	RNF222	3.19E+00
ENSBTAG00000016161	3.11E-10	9.76E-11	FLII	3.18E+00
ENSBTAG00000011994	3.99E-10	1.25E-10	NDEL1	3.19E+00
ENSBTAG00000009991	4.41E-10	1.39E-10	CANT1	3.17E+00
ENSBTAG00000012259	2.00E-10	6.30E-11	PNPO	3.18E+00
ENSBTAG00000048062	1.61E-10	5.06E-11	KDM6B	3.18E+00
ENSBTAG00000020810	1.58E-10	4.96E-11	CYB561	3.18E+00
ENSBTAG00000009190	1.41E-10	4.42E-11	SLC2A4	3.18E+00
ENSBTAG00000045921	7.09E-10	2.22E-10		3.19E+00
ENSBTAG00000013271	3.90E-10	1.18E-10	NCOR1	3.31E+00
ENSBTAG00000017790	3.74E-10	1.11E-10	B9D1	3.37E+00
ENSBTAG00000012311	7.73E-10	2.29E-10	CACNG5	3.38E+00
ENSBTAG00000005008	2.94E-10	8.71E-11	WSB1	3.38E+00
ENSBTAG00000021058	2.61E-10	7.69E-11	DDX42	3.39E+00
ENSBTAG00000003014	6.82E-10	2.01E-10	TRPV2	3.39E+00
ENSBTAG00000006520	3.68E-10	1.08E-10	MYO15A	3.41E+00
ENSBTAG00000035975	2.86E-10	8.17E-11	SCIMP	3.50E+00
ENSBTAG00000006187	7.15E-10	2.04E-10	MFAP4	3.50E+00
ENSBTAG00000020824	5.86E-10	1.66E-10	KRT10	3.53E+00
ENSBTAG00000046321	4.71E-10	1.31E-10	TSPOAP1	3.59E+00
ENSBTAG00000038548	4.49E-10	1.25E-10	SLC47A2	3.59E+00
ENSBTAG00000013270	3.83E-10	1.06E-10	TTC19	3.61E+00

ENSBTAG00000019262	4.86E-10	1.33E-10	TOP2A	3.65E+00
ENSBTAG00000002036	1.57E-10	4.24E-11	CACNB1	3.70E+00
ENSBTAG000000025101	4.61E-10	1.24E-10	ASGR2	3.72E+00
ENSBTAG00000007884	3.12E-10	8.36E-11	SREBF1	3.73E+00
ENSBTAG00000019049	4.51E-10	1.20E-10	AATK	3.76E+00
ENSBTAG00000005696	4.55E-10	1.21E-10	DBF4B	3.76E+00
ENSBTAG00000015394	5.28E-10	1.39E-10	FN3K	3.79E+00
ENSBTAG00000019094	1.25E-09	3.30E-10	NLE1	3.80E+00
ENSBTAG00000030591	3.00E-10	7.86E-11	CWC25	3.81E+00
ENSBTAG00000024932	3.40E-10	8.91E-11	FSCN2	3.82E+00
ENSBTAG00000007117	4.54E-10	1.19E-10	CTC1	3.81E+00
ENSBTAG00000046264	5.30E-10	1.38E-10		3.84E+00
ENSBTAG00000018204	2.32E-10	6.01E-11	MYH1	3.86E+00
ENSBTAG00000008605	2.77E-10	7.10E-11	DNAH2	3.90E+00
ENSBTAG00000001349	4.93E-10	1.27E-10	KIF1C	3.88E+00
ENSBTAG00000006250	6.53E-10	1.66E-10	CASC3	3.93E+00
ENSBTAG00000008289	1.10E-10	2.78E-11	ZBTB4	3.96E+00
ENSBTAG00000010184	1.52E-10	3.82E-11	G6PC	3.97E+00
ENSBTAG00000045892	1.38E-10	3.47E-11		3.97E+00
ENSBTAG00000018423	6.23E-11	1.57E-11	DDX5	3.95E+00
ENSBTAG00000010513	1.56E-10	3.93E-11	GPS2	3.97E+00
ENSBTAG00000006801	2.40E-10	6.03E-11	TMEM106A	3.97E+00
ENSBTAG00000030347	8.34E-11	2.10E-11	TUBG2	3.96E+00
ENSBTAG00000035587	9.78E-11	2.46E-11	ARRB2	3.96E+00
ENSBTAG00000019911	3.70E-10	9.30E-11	COA3	3.97E+00
ENSBTAG00000004464	1.33E-10	3.36E-11	C17orf53	3.96E+00
ENSBTAG00000005693	2.64E-10	6.63E-11	CCDC43	3.97E+00
ENSBTAG00000025126	7.63E-10	1.91E-10		3.99E+00
ENSBTAG00000017136	7.44E-10	1.87E-10	SSTR2	3.98E+00
ENSBTAG00000021113	4.91E-10	1.20E-10	ALDH3A1	4.09E+00
ENSBTAG00000008798	7.42E-10	1.80E-10	DRC3	4.12E+00
ENSBTAG00000025258	1.07E-09	2.59E-10		4.13E+00
ENSBTAG00000017246	1.35E-09	3.27E-10		4.14E+00
ENSBTAG00000007084	2.73E-10	6.56E-11	MAP3K14	4.15E+00
ENSBTAG00000018663	4.92E-10	1.17E-10	GPRC5C	4.21E+00
ENSBTAG00000011803	3.96E-10	9.37E-11	MYH3	4.23E+00
ENSBTAG00000000928	3.39E-10	7.94E-11	SPECC1	4.26E+00
ENSBTAG00000007083	1.71E-10	3.98E-11	SPATA32	4.28E+00
ENSBTAG00000019437	5.48E-10	1.27E-10		4.31E+00
ENSBTAG00000006586	1.42E-10	3.30E-11	KPNB1	4.30E+00
ENSBTAG00000017536	2.20E-10	5.08E-11	MPP3	4.33E+00
ENSBTAG00000009354	2.21E-10	5.06E-11		4.36E+00
ENSBTAG00000046273	3.59E-10	8.20E-11	FAM57A	4.37E+00
ENSBTAG00000013134	5.54E-10	1.26E-10	SOST	4.40E+00
ENSBTAG00000046217	9.64E-10	2.19E-10		4.40E+00
ENSBTAG00000017771	5.21E-10	1.19E-10	EPN2	4.38E+00
ENSBTAG00000044099	3.33E-10	7.51E-11	ZSWIM7	4.43E+00
ENSBTAG00000019972	8.31E-10	1.86E-10	TEPSIN	4.47E+00
ENSBTAG00000013238	1.87E-10	4.05E-11	CDK12	4.61E+00
ENSBTAG00000019241	1.23E-10	2.59E-11	FGF11	4.74E+00
ENSBTAG00000008593	2.21E-10	4.62E-11	INCA1	4.77E+00
ENSBTAG00000002609	7.52E-11	1.58E-11	TMIGD1	4.74E+00
ENSBTAG00000005664	1.70E-10	3.56E-11	YWHAE	4.75E+00
ENSBTAG00000014883	2.55E-10	5.34E-11	GABARAP	4.77E+00
ENSBTAG00000014113	7.29E-10	1.52E-10	CCL8	4.79E+00
ENSBTAG00000008802	6.58E-10	1.37E-10	GID4	4.80E+00
ENSBTAG00000018802	3.30E-10	6.80E-11	UBE2Z	4.85E+00
ENSBTAG00000015136	1.70E-10	3.48E-11	PTGES3L-AARSD1	4.88E+00
ENSBTAG00000008801	5.66E-10	1.15E-10	ATPAF2	4.92E+00
ENSBTAG00000001965	7.17E-10	1.44E-10	ENPP7	4.98E+00
ENSBTAG00000030169	2.01E-10	4.00E-11	SUMO2	5.02E+00
ENSBTAG00000019092	6.61E-10	1.31E-10	FNDC8	5.04E+00
ENSBTAG00000012066	2.70E-10	5.28E-11	PECAM1	5.11E+00
ENSBTAG00000008779	4.24E-10	8.28E-11	ALOX15B	5.11E+00
ENSBTAG00000000205	6.05E-10	1.16E-10	MMD	5.21E+00
ENSBTAG00000006089	4.54E-10	8.55E-11	C17orf80	5.30E+00
ENSBTAG00000008088	3.31E-10	6.21E-11	KIF18B	5.32E+00
ENSBTAG00000011732	4.37E-10	8.15E-11	PGAP3	5.35E+00
ENSBTAG00000015751	1.48E-10	2.74E-11	MEOX1	5.39E+00
ENSBTAG00000009885	7.33E-10	1.35E-10	TACO1	5.42E+00

ENSBTAG00000003500	6.65E-10	1.20E-10	DCAF7	5.54E+00
ENSBTAG00000002018	1.18E-10	2.12E-11	EIF5A	5.53E+00
ENSBTAG00000009292	2.35E-10	4.21E-11	TMEM100	5.56E+00
ENSBTAG00000001014	4.56E-10	8.17E-11	MAPK7	5.57E+00
ENSBTAG000000013529	7.11E-10	1.27E-10		5.59E+00
ENSBTAG00000006517	8.53E-10	1.52E-10	DRG2	5.61E+00
ENSBTAG000000014858	2.27E-10	4.00E-11	PRPSAP2	5.65E+00
ENSBTAG000000025001	2.13E-10	3.75E-11	MRPL45	5.66E+00
ENSBTAG00000009353	4.78E-10	8.39E-11	EVI2B	5.69E+00
ENSBTAG000000047756	3.40E-10	5.89E-11	CNTROB	5.76E+00
ENSBTAG000000010758	2.60E-10	4.45E-11	SMIM5	5.83E+00
ENSBTAG000000015232	3.46E-10	5.85E-11	RAPGEFL1	5.90E+00
ENSBTAG00000008318	7.69E-10	1.29E-10	AIP1	5.96E+00
ENSBTAG000000016249	2.36E-10	3.95E-11	NAGS	5.95E+00
ENSBTAG000000012178	2.58E-10	4.24E-11	NR1D1	6.08E+00
ENSBTAG000000016151	6.46E-10	1.06E-10	VTN	6.09E+00
ENSBTAG000000017233	4.96E-10	8.06E-11		6.15E+00
ENSBTAG000000019069	1.74E-10	2.73E-11	SYNGR2	6.34E+00
ENSBTAG000000024947	5.52E-10	8.65E-11		6.37E+00
ENSBTAG000000025046	3.74E-10	5.79E-11	ALKBH5	6.44E+00
ENSBTAG00000005048	8.67E-10	1.32E-10	DHRS7C	6.56E+00
ENSBTAG000000039485	1.52E-10	2.30E-11	MEIOC	6.59E+00
ENSBTAG000000014377	2.98E-10	4.44E-11	CHD3	6.70E+00
ENSBTAG000000025088	8.03E-10	1.16E-10	RCVRN	6.92E+00
ENSBTAG000000030977	3.74E-10	5.36E-11	ULK2	6.96E+00
ENSBTAG000000030200	3.15E-10	4.40E-11	ARL16	7.15E+00
ENSBTAG00000003386	6.42E-10	8.95E-11	SUPT4H1	7.17E+00
ENSBTAG000000024899	8.71E-10	1.20E-10		7.25E+00
ENSBTAG000000021918	2.34E-10	3.19E-11	EZH1	7.31E+00
ENSBTAG000000039206	4.18E-10	5.53E-11	SLFN14	7.55E+00
ENSBTAG000000011729	7.59E-10	1.00E-10	STARD3	7.58E+00
ENSBTAG000000007434	7.65E-10	9.75E-11	CD300LG	7.84E+00
ENSBTAG000000000344	2.74E-10	3.44E-11		7.94E+00
ENSBTAG000000040118	1.38E-09	1.72E-10		8.03E+00
ENSBTAG00000009458	3.74E-10	4.61E-11		8.10E+00
ENSBTAG000000003439	5.02E-10	5.96E-11	AKAP10	8.40E+00
ENSBTAG000000012475	2.35E-10	2.69E-11	ALOX12B	8.72E+00
ENSBTAG000000000132	1.64E-10	1.72E-11	EIF4A1	9.47E+00
ENSBTAG000000019242	1.07E-10	1.12E-11	CHRN1	9.46E+00
ENSBTAG000000006035	3.46E-10	3.62E-11	PPP1R1B	9.53E+00
ENSBTAG000000017087	2.97E-10	3.03E-11	TOP3A	9.79E+00
ENSBTAG000000017090	4.31E-10	4.39E-11	SMCR8	9.80E+00
ENSBTAG000000005051	7.70E-10	7.81E-11	GSG1L2	9.85E+00
ENSBTAG000000046148	3.70E-10	3.58E-11		1.03E+01
ENSBTAG00000008366	2.83E-10	2.60E-11	STAC2	1.08E+01
ENSBTAG000000015276	3.21E-10	2.92E-11	SLC26A11	1.10E+01
ENSBTAG000000005045	7.07E-10	5.90E-11	GIP	1.20E+01
ENSBTAG000000017895	2.71E-10	2.13E-11	CLEC10A	1.26E+01
ENSBTAG000000021462	5.70E-10	4.47E-11	CSF3	1.27E+01
ENSBTAG000000011713	4.39E-10	3.34E-11		1.31E+01
ENSBTAG000000004903	8.62E-10	6.47E-11	KRT15	1.33E+01
ENSBTAG000000011435	1.36E-10	9.90E-12	NPEPPS	1.36E+01
ENSBTAG000000014202	4.63E-10	3.29E-11	CDK5RAP3	1.40E+01
ENSBTAG00000008423	5.00E-10	3.39E-11	TIMM22	1.47E+01
ENSBTAG000000018803	3.58E-10	2.31E-11	SNF8	1.54E+01
ENSBTAG00000008535	1.99E-10	1.25E-11	SOCS7	1.58E+01
ENSBTAG000000016911	1.97E-10	1.10E-11	ARHGAP23	1.77E+01
ENSBTAG00000002035	3.62E-10	1.75E-11	ARL5C	2.06E+01
ENSBTAG000000015267	3.33E-10	1.44E-11	SGSH	2.30E+01
ENSBTAG000000019067	5.41E-10	2.30E-11	TMC8	2.34E+01
ENSBTAG000000006499	3.31E-10	9.24E-12	PIP4K2B	3.55E+01
ENSBTAG00000000812	9.06E-10	1.21E-11		7.43E+01
ENSBTAG000000045560	0	0		1.00E+00
ENSBTAG000000025213	1.56E-10	0	OMG	1.56E+03
ENSBTAG000000011490	9.82E-11	0	TLCD2	9.83E+02
ENSBTAG000000018314	4.47E-11	0	MED11	4.48E+02
ENSBTAG000000021932	2.86E-10	0	RNASEK	2.86E+03
ENSBTAG000000020852	1.68E-10	0	SLC16A11	1.68E+03
ENSBTAG000000017747	1.08E-10	0	TMEM256-PLSCR3	1.08E+03
ENSBTAG000000031752	7.13E-11	0		7.14E+02

ENSBTAG00000031737	3.95E-11	0	TMEM102	3.96E+02
ENSBTAG00000000130	1.72E-10	0	TNFSF13	1.72E+03
ENSBTAG000000004226	1.45E-10	0	SHBG	1.45E+03
ENSBTAG00000014693	0	0	TMEM88	1.00E+00
ENSBTAG00000014695	6.68E-11	0	NAA38	6.69E+02
ENSBTAG00000014696	0	0	CY5D1	1.00E+00
ENSBTAG00000047214	0	0	TRAPPC1	1.00E+00
ENSBTAG00000012436	3.31E-11	0	HES7	3.32E+02
ENSBTAG00000001702	3.66E-11	0	TMEM107	3.67E+02
ENSBTAG00000018809	1.16E-10	0	RANGRF	1.16E+03
ENSBTAG00000017094	4.73E-10	0	SHMT1	4.73E+03
ENSBTAG00000045835	1.16E-10	0	HOXB5	1.16E+03
ENSBTAG00000046569	1.71E-10	0	CISD3	1.71E+03
ENSBTAG00000011539	2.77E-10	0	PCGF2	2.77E+03
ENSBTAG00000003830	2.08E-10	0	PSMB3	2.08E+03
ENSBTAG00000019095	4.16E-11	0	CCR10	4.17E+02
ENSBTAG00000019918	1.66E-11	0	PSME3	1.67E+02
ENSBTAG00000017441	1.80E-10	0		1.80E+03
ENSBTAG00000007393	6.52E-11	0	RND2	6.53E+02
ENSBTAG00000045652	0	0		1.00E+00
ENSBTAG00000011759	1.36E-10	0	C1QL1	1.36E+03
ENSBTAG00000024975	8.32E-11	0		8.33E+02
ENSBTAG00000047667	0	0		1.00E+00
ENSBTAG00000009107	1.34E-10	0	CBX8	1.34E+03
ENSBTAG00000040282	0	0	NOG	1.00E+00
ENSBTAG00000047272	5.34E-10	0	CCDC182	5.34E+03
ENSBTAG00000034506	0	0	SNRPG	1.00E+00
ENSBTAG00000034433	1.30E-10	0		1.30E+03
ENSBTAG00000025219	0	0		1.00E+00
ENSBTAG00000004475	0	0	CDK5R1	1.00E+00
ENSBTAG00000024979	0	0	HSPB9	1.00E+00
ENSBTAG00000030305	0	0		1.00E+00
ENSBTAG00000046260	0	0		1.00E+00
ENSBTAG00000047866	0	0		1.00E+00
ENSBTAG00000008441	1.17E-10	0	SOCS3	1.17E+03
ENSBTAG00000017248	0	0		1.00E+00
ENSBTAG00000013393	2.58E-10	0	GEMIN4	2.58E+03
ENSBTAG00000026859	2.60E-10	0		2.60E+03
ENSBTAG00000010532	1.49E-10	0	KCTD11	1.49E+03
ENSBTAG00000046290	3.97E-10	0	PIRT	3.97E+03
ENSBTAG00000043979	0	0	HILS1	1.00E+00
ENSBTAG00000046615	3.65E-10	0		3.65E+03
ENSBTAG00000048067	0	0	C17orf96	1.00E+00
ENSBTAG00000004119	0	0	NEUROD2	1.00E+00
ENSBTAG00000046225	0	0		1.00E+00
ENSBTAG00000048083	0	0	KRTAP3-1	1.00E+00
ENSBTAG00000030559	1.72E-10	0		1.72E+03
ENSBTAG000000038759	3.65E-10	0		3.65E+03
ENSBTAG00000024839	8.18E-10	0		8.18E+03
ENSBTAG00000047906	0	8.83E-11	MRPL36	1.13E-03
ENSBTAG00000034577	0	6.58E-11		1.52E-03
ENSBTAG00000016441	1.02E-10	7.48E-10	ZNF622	1.36E-01
ENSBTAG00000032508	9.19E-11	3.48E-10	TAS2R1	2.64E-01
ENSBTAG00000048105	8.04E-11	2.03E-10		3.97E-01
ENSBTAG00000027865	6.12E-11	1.25E-10		4.90E-01
ENSBTAG00000047499	1.68E-10	3.03E-10		5.54E-01
ENSBTAG00000017013	2.31E-10	4.15E-10	SMIM23	5.56E-01
ENSBTAG00000017885	1.75E-10	3.14E-10	FAM173B	5.57E-01
ENSBTAG00000047116	2.23E-10	3.56E-10	TPPP	6.26E-01
ENSBTAG00000047780	7.35E-11	1.12E-10	CCDC127	6.56E-01
ENSBTAG00000016444	4.68E-10	7.14E-10	FAM134B	6.55E-01
ENSBTAG00000046493	7.76E-11	1.17E-10	PDCD6	6.64E-01
ENSBTAG00000005743	1.77E-10	2.57E-10		6.90E-01
ENSBTAG00000015316	1.75E-10	2.53E-10		6.91E-01
ENSBTAG00000003539	1.32E-10	1.88E-10	ROPN1L	7.04E-01
ENSBTAG00000006346	7.32E-10	1.04E-09		7.04E-01
ENSBTAG00000044175	5.57E-11	7.86E-11	CENPK	7.09E-01
ENSBTAG00000011405	5.16E-10	7.08E-10	CEP72	7.28E-01
ENSBTAG00000010423	3.04E-10	4.10E-10	LIFR	7.41E-01
ENSBTAG00000018235	2.98E-10	3.89E-10	SLC45A2	7.66E-01

ENSBTAG00000015478	2.13E-10	2.76E-10	SRD5A1	7.70E-01
ENSBTAG00000005021	5.23E-10	6.80E-10	SEMA5A	7.69E-01
ENSBTAG00000044160	3.44E-10	4.44E-10	MCCC2	7.75E-01
ENSBTAG00000032442	7.10E-10	9.08E-10		7.82E-01
ENSBTAG00000038364	1.50E-10	1.89E-10		7.94E-01
ENSBTAG00000034170	3.04E-10	3.83E-10	DYNLL1	7.94E-01
ENSBTAG00000008876	2.97E-10	3.75E-10	EFCAB9	7.93E-01
ENSBTAG00000046810	1.69E-10	2.13E-10		7.93E-01
ENSBTAG00000003329	1.97E-10	2.48E-10	FST	7.94E-01
ENSBTAG00000008606	7.62E-11	9.60E-11	EXOC3	7.94E-01
ENSBTAG00000013863	1.06E-10	1.34E-10	DUSP1	7.94E-01
ENSBTAG00000046019	7.71E-11	9.72E-11	SDHA	7.93E-01
ENSBTAG00000011045	8.03E-11	1.01E-10	MRPS36	7.95E-01
ENSBTAG00000022714	2.41E-10	3.04E-10	HSPB3	7.94E-01
ENSBTAG00000012775	3.43E-10	4.33E-10		7.93E-01
ENSBTAG00000009381	3.55E-10	4.39E-10	LCP2	8.08E-01
ENSBTAG00000001001	3.69E-10	4.53E-10	ANKRD55	8.14E-01
ENSBTAG00000017222	5.56E-10	6.82E-10	CTNND2	8.16E-01
ENSBTAG00000012558	4.41E-10	5.38E-10	ADAMTS12	8.20E-01
ENSBTAG00000015466	2.06E-10	2.50E-10	NSUN2	8.22E-01
ENSBTAG00000021960	4.79E-10	5.82E-10	GPX8	8.23E-01
ENSBTAG00000010801	4.04E-10	4.89E-10	CMBL	8.27E-01
ENSBTAG00000012992	2.63E-10	3.17E-10	CDH6	8.28E-01
ENSBTAG00000016002	4.25E-10	5.11E-10	FAM169A	8.31E-01
ENSBTAG00000002134	8.53E-10	1.02E-09	FAM196B	8.37E-01
ENSBTAG00000009400	5.50E-10	6.57E-10	FASTKD3	8.37E-01
ENSBTAG00000016903	1.34E-10	1.59E-10	NLN	8.41E-01
ENSBTAG00000001997	7.45E-10	8.75E-10	MROH2B	8.52E-01
ENSBTAG00000016963	9.47E-11	1.10E-10	ADAMTS6	8.61E-01
ENSBTAG00000011895	3.69E-10	4.27E-10	PANK3	8.64E-01
ENSBTAG00000000579	1.04E-10	1.20E-10	NIPBL	8.68E-01
ENSBTAG00000010822	4.10E-10	4.73E-10	PLCXD3	8.67E-01
ENSBTAG00000046449	1.96E-10	2.27E-10		8.65E-01
ENSBTAG00000020142	1.62E-10	1.86E-10	LMBRD2	8.69E-01
ENSBTAG00000019210	6.95E-10	8.01E-10	ADCY2	8.68E-01
ENSBTAG00000003536	1.24E-10	1.43E-10	06-Mar	8.70E-01
ENSBTAG00000019209	7.51E-10	8.62E-10	RAD1	8.71E-01
ENSBTAG00000024593	5.28E-10	6.05E-10	SPZ1	8.73E-01
ENSBTAG00000002458	1.30E-10	1.47E-10	NUP155	8.86E-01
ENSBTAG00000000809	1.64E-10	1.86E-10	IRX1	8.82E-01
ENSBTAG00000000084	1.67E-10	1.89E-10	MRPS30	8.86E-01
ENSBTAG00000032705	6.38E-10	7.14E-10	CALM2	8.94E-01
ENSBTAG00000015519	5.86E-10	6.51E-10	GFM2	9.01E-01
ENSBTAG00000015099	7.55E-10	8.34E-10	RPL26L1	9.06E-01
ENSBTAG00000013562	1.75E-10	1.93E-10		9.09E-01
ENSBTAG00000039929	4.67E-10	5.15E-10	RXFP3	9.07E-01
ENSBTAG00000021224	1.74E-10	1.91E-10	ZSWIM6	9.14E-01
ENSBTAG00000015648	5.41E-10	5.93E-10		9.13E-01
ENSBTAG00000005169	1.28E-10	1.39E-10	RGS7BP	9.18E-01
ENSBTAG00000017569	6.32E-10	6.90E-10	C5orf22	9.16E-01
ENSBTAG00000007071	3.19E-10	3.48E-10	RAI14	9.18E-01
ENSBTAG00000016900	2.89E-10	3.14E-10	TRAPPC13	9.21E-01
ENSBTAG00000014612	5.31E-10	5.75E-10		9.24E-01
ENSBTAG00000034659	1.79E-10	1.94E-10	UBTD2	9.25E-01
ENSBTAG00000001429	2.18E-10	2.36E-10	NEURL1B	9.24E-01
ENSBTAG00000017071	5.89E-10	6.36E-10		9.26E-01
ENSBTAG00000033107	5.11E-10	5.50E-10	OSMR	9.29E-01
ENSBTAG00000011766	6.13E-10	6.58E-10	C7	9.32E-01
ENSBTAG00000014177	6.35E-10	6.76E-10	C6	9.39E-01
ENSBTAG00000019211	4.16E-10	4.42E-10	BRIX1	9.41E-01
ENSBTAG00000003066	1.49E-10	1.59E-10	NSA2	9.38E-01
ENSBTAG00000009401	6.11E-10	6.46E-10	MTRR	9.46E-01
ENSBTAG00000021959	3.00E-10	3.17E-10	CDC20B	9.47E-01
ENSBTAG00000015907	1.24E-10	1.30E-10	IRX4	9.54E-01
ENSBTAG00000000672	2.33E-10	2.46E-10	FAM105A	9.49E-01
ENSBTAG00000047486	2.36E-10	2.48E-10	CARTPT	9.52E-01
ENSBTAG00000008180	1.16E-10	1.22E-10	SPDL1	9.54E-01
ENSBTAG00000002845	5.70E-10	5.93E-10	CDH10	9.61E-01
ENSBTAG00000039409	3.40E-10	3.54E-10		9.61E-01
ENSBTAG00000008130	3.41E-10	3.53E-10	MED10	9.65E-01

ENSBTAG00000013391	4.91E-10	5.07E-10	ANKH	9.68E-01
ENSBTAG00000000363	3.36E-10	3.45E-10	BDP1	9.73E-01
ENSBTAG000000008871	5.38E-10	5.51E-10	DDX4	9.76E-01
ENSBTAG00000022684	3.35E-10	3.38E-10		9.92E-01
ENSBTAG00000020126	4.36E-10	4.39E-10	MYO10	9.92E-01
ENSBTAG00000014620	6.97E-10	6.95E-10	FOX11	1.00E+00
ENSBTAG00000005514	5.56E-10	5.45E-10	TRIO	1.02E+00
ENSBTAG00000001962	2.79E-10	2.73E-10	MRPS27	1.02E+00
ENSBTAG00000037844	5.59E-10	5.45E-10	CDH18	1.03E+00
ENSBTAG00000000617	8.02E-10	7.76E-10		1.03E+00
ENSBTAG00000033313	1.66E-10	1.60E-10	SLC38A9	1.04E+00
ENSBTAG00000006972	3.19E-10	3.07E-10	TRIP13	1.04E+00
ENSBTAG00000006971	6.71E-10	6.43E-10	BRD9	1.04E+00
ENSBTAG00000007461	1.50E-10	1.42E-10	C5orf34	1.05E+00
ENSBTAG00000015504	1.00E-10	9.45E-11	ZNF131	1.06E+00
ENSBTAG00000047208	6.86E-10	6.48E-10		1.06E+00
ENSBTAG00000012688	4.49E-10	4.24E-10	CAPSL	1.06E+00
ENSBTAG00000001457	3.27E-10	3.08E-10	TMEM267	1.06E+00
ENSBTAG00000017026	4.33E-10	4.07E-10	DEPDC1B	1.06E+00
ENSBTAG00000017746	5.21E-10	4.85E-10	SLIT3	1.07E+00
ENSBTAG00000004066	3.84E-10	3.55E-10	PARP8	1.08E+00
ENSBTAG00000004629	1.80E-10	1.66E-10	SLC9A3	1.08E+00
ENSBTAG00000011334	1.74E-10	1.60E-10	NADK2	1.09E+00
ENSBTAG00000027980	8.65E-10	7.94E-10	TAF9	1.09E+00
ENSBTAG00000007665	4.14E-10	3.80E-10	NPR3	1.09E+00
ENSBTAG00000001961	2.54E-10	2.30E-10	MAP1B	1.10E+00
ENSBTAG00000016981	1.34E-10	1.20E-10	FBXO4	1.12E+00
ENSBTAG00000005633	5.18E-10	4.65E-10	ARHGEF28	1.11E+00
ENSBTAG00000033187	7.58E-10	6.81E-10		1.11E+00
ENSBTAG00000024801	2.29E-10	2.04E-10	RANBP17	1.12E+00
ENSBTAG00000017889	4.40E-10	3.92E-10	CCT5	1.12E+00
ENSBTAG00000009514	7.40E-11	6.52E-11	PPWD1	1.13E+00
ENSBTAG00000034360	2.17E-10	1.91E-10		1.14E+00
ENSBTAG00000001492	2.22E-10	1.95E-10	FYB	1.14E+00
ENSBTAG00000043948	3.95E-10	3.45E-10	HCN1	1.15E+00
ENSBTAG00000006697	1.45E-10	1.26E-10	RICTOR	1.15E+00
ENSBTAG00000021813	2.53E-10	2.19E-10	AMACR	1.15E+00
ENSBTAG00000009519	1.23E-10	1.03E-10	TRIM23	1.19E+00
ENSBTAG00000047828	1.89E-10	1.58E-10		1.19E+00
ENSBTAG000000008430	1.28E-10	1.07E-10	RANBP3L	1.20E+00
ENSBTAG00000019595	6.84E-10	5.72E-10	EGFLAM	1.20E+00
ENSBTAG00000010989	3.99E-10	3.33E-10	PIK3R1	1.20E+00
ENSBTAG00000020376	1.41E-10	1.17E-10		1.20E+00
ENSBTAG00000021972	7.61E-10	6.29E-10	DNAH5	1.21E+00
ENSBTAG00000011885	1.53E-10	1.26E-10	NNT	1.22E+00
ENSBTAG00000000012	5.27E-10	4.36E-10	TTC33	1.21E+00
ENSBTAG00000019289	3.71E-10	3.05E-10	ITGA2	1.21E+00
ENSBTAG00000010526	1.18E-10	9.74E-11	PLPP1	1.21E+00
ENSBTAG00000018245	3.89E-10	3.17E-10	SLC1A3	1.23E+00
ENSBTAG00000027983	1.42E-10	1.16E-10	GTF2H2	1.22E+00
ENSBTAG00000000586	5.42E-10	4.39E-10		1.24E+00
ENSBTAG00000001329	4.58E-10	3.67E-10	CLPTM1L	1.25E+00
ENSBTAG00000033095	2.46E-10	1.95E-10	WDR70	1.26E+00
ENSBTAG00000004221	1.48E-10	1.17E-10	ESM1	1.27E+00
ENSBTAG00000003381	3.77E-10	2.96E-10	PAPD7	1.27E+00
ENSBTAG00000003326	1.22E-10	9.52E-11	NAIP	1.28E+00
ENSBTAG00000004351	2.90E-10	2.26E-10	IL31RA	1.28E+00
ENSBTAG00000002021	1.80E-10	1.41E-10	BNIP1	1.28E+00
ENSBTAG00000004929	2.53E-10	1.95E-10	C5orf51	1.30E+00
ENSBTAG00000007690	4.66E-10	3.58E-10	AGXT2	1.30E+00
ENSBTAG00000001557	3.42E-10	2.63E-10	CCL28	1.30E+00
ENSBTAG00000048135	1.68E-09	1.29E-09		1.30E+00
ENSBTAG00000002985	1.36E-10	1.05E-10	KCNMB1	1.30E+00
ENSBTAG00000021607	5.34E-10	4.05E-10	NDUFAF2	1.32E+00
ENSBTAG00000009914	1.55E-10	1.17E-10	NDUFS6	1.33E+00
ENSBTAG00000047087	6.55E-11	4.95E-11	MCIDAS	1.32E+00
ENSBTAG00000016525	1.84E-10	1.39E-10	ITGA1	1.32E+00
ENSBTAG00000005142	6.33E-10	4.77E-10	RPL37	1.33E+00
ENSBTAG00000015512	5.34E-10	4.03E-10		1.32E+00
ENSBTAG00000032848	2.08E-10	1.57E-10	GOLPH3	1.33E+00

ENSBTAG00000047548	9.30E-10	7.00E-10		1.33E+00
ENSBTAG00000010510	4.71E-10	3.55E-10	DHX29	1.33E+00
ENSBTAG00000002701	3.05E-10	2.30E-10		1.33E+00
ENSBTAG00000010518	1.58E-10	1.18E-10	SKIV2L2	1.34E+00
ENSBTAG00000012278	1.89E-10	1.41E-10	MTMR12	1.34E+00
ENSBTAG00000009019	3.70E-10	2.73E-10	SH3PXD2B	1.35E+00
ENSBTAG00000044010	7.43E-10	5.47E-10	EMB	1.36E+00
ENSBTAG00000014972	4.39E-10	3.23E-10	PTGER4	1.36E+00
ENSBTAG00000003200	4.65E-10	3.41E-10		1.36E+00
ENSBTAG00000018460	2.04E-10	1.50E-10	ADAMTS16	1.36E+00
ENSBTAG00000000128	3.05E-10	2.24E-10	FGF18	1.36E+00
ENSBTAG00000000037	1.41E-10	1.03E-10	CWC27	1.37E+00
ENSBTAG00000014455	1.97E-10	1.43E-10	PDZD2	1.38E+00
ENSBTAG00000025893	5.23E-10	3.80E-10	CDH12	1.38E+00
ENSBTAG000000037576	3.42E-10	2.42E-10	11-Mar	1.41E+00
ENSBTAG00000012567	5.64E-10	3.98E-10	TERT	1.42E+00
ENSBTAG00000011046	2.74E-10	1.91E-10	CDK7	1.43E+00
ENSBTAG00000005176	1.92E-10	1.33E-10	GDNF	1.45E+00
ENSBTAG00000017545	2.76E-10	1.91E-10	FCHO2	1.45E+00
ENSBTAG00000021606	4.40E-10	3.00E-10	ERCC8	1.47E+00
ENSBTAG00000002865	5.86E-10	3.92E-10	KCNIP1	1.49E+00
ENSBTAG00000017457	3.01E-10	2.00E-10	STK10	1.50E+00
ENSBTAG00000017551	4.83E-10	3.22E-10	DROSHA	1.50E+00
ENSBTAG00000002020	1.27E-10	8.45E-11	CREBRF	1.50E+00
ENSBTAG000000003728	4.92E-10	3.26E-10	NDUFS4	1.51E+00
ENSBTAG000000003219	1.48E-10	9.81E-11	FBXL7	1.51E+00
ENSBTAG00000021965	2.66E-10	1.74E-10	SUB1	1.53E+00
ENSBTAG00000027924	3.75E-10	2.44E-10	SNX18	1.54E+00
ENSBTAG00000011337	4.61E-10	2.95E-10	ANKRD33B	1.56E+00
ENSBTAG00000007306	5.09E-10	3.25E-10	RAB3C	1.56E+00
ENSBTAG00000023529	1.66E-10	1.06E-10	SPEF2	1.57E+00
ENSBTAG000000047594	1.50E-10	9.43E-11	CCNO	1.59E+00
ENSBTAG00000005380	2.70E-10	1.70E-10	MOCS2	1.59E+00
ENSBTAG00000034431	4.80E-10	3.02E-10		1.59E+00
ENSBTAG00000043992	3.78E-10	2.38E-10	RNF180	1.59E+00
ENSBTAG00000005229	4.29E-10	2.70E-10		1.59E+00
ENSBTAG00000010003	1.51E-10	9.52E-11	TLX3	1.59E+00
ENSBTAG00000034138	5.70E-10	3.56E-10		1.60E+00
ENSBTAG00000025035	3.03E-10	1.85E-10	PRLR	1.64E+00
ENSBTAG000000000561	4.41E-10	2.66E-10	OCLN	1.66E+00
ENSBTAG00000016902	1.93E-10	1.16E-10	SGTB	1.66E+00
ENSBTAG00000026369	5.34E-10	3.10E-10	ENC1	1.72E+00
ENSBTAG00000007704	2.48E-10	1.43E-10	ELOVL7	1.74E+00
ENSBTAG000000009468	1.58E-10	9.07E-11	FAM159B	1.75E+00
ENSBTAG00000045954	1.84E-10	1.05E-10	LRRC14B	1.75E+00
ENSBTAG00000001013	1.49E-10	8.39E-11	SLC30A5	1.77E+00
ENSBTAG00000011839	1.69E-10	9.48E-11	HMGCS1	1.78E+00
ENSBTAG00000019834	3.45E-10	1.92E-10	ARL15	1.80E+00
ENSBTAG00000014675	6.08E-10	3.38E-10	PTCD2	1.80E+00
ENSBTAG00000000013	2.37E-10	1.31E-10	PRKAA1	1.81E+00
ENSBTAG00000005164	2.37E-10	1.29E-10	GZMK	1.83E+00
ENSBTAG00000003186	4.41E-10	2.38E-10	OTULIN	1.85E+00
ENSBTAG00000021958	6.39E-11	3.45E-11	GZMA	1.85E+00
ENSBTAG00000014261	1.33E-10	7.04E-11	TARS	1.89E+00
ENSBTAG000000045695	5.15E-10	2.73E-10	SLC6A19	1.88E+00
ENSBTAG00000001241	1.95E-10	1.02E-10	ISL1	1.91E+00
ENSBTAG00000014246	2.05E-10	1.04E-10	CENPH	1.97E+00
ENSBTAG00000046181	6.17E-10	3.10E-10		1.99E+00
ENSBTAG00000046192	6.51E-10	3.21E-10	AK6	2.03E+00
ENSBTAG00000001335	4.83E-10	2.37E-10	GHR	2.04E+00
ENSBTAG00000007979	2.32E-10	1.14E-10	TNPO1	2.03E+00
ENSBTAG00000018234	4.63E-10	2.22E-10	CDH9	2.08E+00
ENSBTAG00000012559	3.62E-10	1.72E-10	SLC6A18	2.10E+00
ENSBTAG00000025964	5.93E-10	2.78E-10	MAST4	2.13E+00
ENSBTAG00000019975	2.26E-10	1.04E-10	IL7R	2.18E+00
ENSBTAG00000016149	2.90E-10	1.33E-10	C9	2.18E+00
ENSBTAG00000015100	3.14E-10	1.41E-10	ATP6V0E1	2.23E+00
ENSBTAG00000014374	4.92E-10	2.18E-10	CARD6	2.26E+00
ENSBTAG00000033186	3.94E-10	1.72E-10	OXCT1	2.29E+00
ENSBTAG00000020601	3.06E-10	1.34E-10	ZNF366	2.28E+00

ENSBTAG00000032933	4.63E-10	2.02E-10	TTC23L	2.29E+00
ENSBTAG00000017745	1.82E-10	7.87E-11	IL6ST	2.31E+00
ENSBTAG00000008414	1.50E-10	6.43E-11	ZFR	2.34E+00
ENSBTAG00000026527	3.38E-10	1.39E-10	AHRR	2.43E+00
ENSBTAG00000008494	2.18E-10	8.82E-11	TMEM171	2.47E+00
ENSBTAG00000016771	2.61E-10	1.04E-10	PLK2	2.51E+00
ENSBTAG00000015955	4.78E-10	1.85E-10	ERGIC1	2.58E+00
ENSBTAG00000039486	4.83E-10	1.85E-10		2.61E+00
ENSBTAG00000034435	4.05E-10	1.55E-10	NKD2	2.61E+00
ENSBTAG00000040001	6.70E-10	2.55E-10	MARVELD2	2.63E+00
ENSBTAG00000015022	1.15E-10	4.30E-11	KIF2A	2.67E+00
ENSBTAG00000002779	6.05E-10	2.25E-10	GABRP	2.69E+00
ENSBTAG00000010012	7.05E-10	2.53E-10	BTF3	2.79E+00
ENSBTAG00000018501	6.55E-10	2.28E-10	ICE1	2.87E+00
ENSBTAG00000016152	3.31E-10	1.13E-10	DAB2	2.93E+00
ENSBTAG00000006843	4.16E-10	1.38E-10	UTP15	3.01E+00
ENSBTAG00000002073	5.58E-10	1.83E-10	RAD17	3.05E+00
ENSBTAG00000013790	5.29E-10	1.69E-10	MAP3K1	3.13E+00
ENSBTAG00000009469	2.91E-10	9.30E-11	SREK1IP1	3.13E+00
ENSBTAG00000018616	3.82E-10	1.21E-10	IPO11	3.16E+00
ENSBTAG00000007321	1.61E-10	5.06E-11		3.17E+00
ENSBTAG00000047333	3.76E-10	1.18E-10		3.19E+00
ENSBTAG00000017011	5.87E-10	1.74E-10	CCDC125	3.37E+00
ENSBTAG00000020568	2.40E-10	6.70E-11	NKX2-5	3.58E+00
ENSBTAG00000034598	4.64E-10	1.18E-10		3.93E+00
ENSBTAG00000014239	8.47E-11	2.13E-11	CCNB1	3.96E+00
ENSBTAG00000003268	2.10E-10	5.28E-11	PELO	3.97E+00
ENSBTAG00000003377	4.46E-10	1.12E-10	TMEM174	3.98E+00
ENSBTAG00000015376	2.04E-10	4.67E-11	FBXW11	4.36E+00
ENSBTAG00000038537	3.90E-10	8.91E-11		4.37E+00
ENSBTAG00000011812	1.33E-10	2.96E-11	DIMT1	4.49E+00
ENSBTAG00000013873	1.01E-10	2.11E-11	MSX2	4.75E+00
ENSBTAG00000004920	1.11E-09	2.31E-10	COX8A	4.79E+00
ENSBTAG00000006775	5.51E-10	1.11E-10	SLC12A7	4.96E+00
ENSBTAG00000014248	4.68E-10	9.36E-11	MIER3	4.99E+00
ENSBTAG00000000944	7.91E-10	1.54E-10	LPCAT1	5.13E+00
ENSBTAG00000016770	7.44E-10	1.42E-10	GAPT	5.24E+00
ENSBTAG00000006233	3.00E-10	5.62E-11	NIM1K	5.34E+00
ENSBTAG00000006360	4.49E-10	7.85E-11	CD180	5.72E+00
ENSBTAG00000000494	3.29E-10	5.62E-11	PDE4D	5.84E+00
ENSBTAG00000009995	2.55E-10	4.28E-11	CPEB4	5.95E+00
ENSBTAG00000000415	2.71E-10	4.28E-11	ERBIN	6.32E+00
ENSBTAG00000015843	7.38E-10	1.05E-10	SLC6A3	7.02E+00
ENSBTAG00000013426	6.29E-10	8.63E-11	SETD9	7.29E+00
ENSBTAG00000033221	6.69E-10	8.55E-11	CCDC152	7.81E+00
ENSBTAG0000001823	2.39E-10	2.90E-11	STC2	8.20E+00
ENSBTAG00000000564	5.79E-10	6.34E-11		9.12E+00
ENSBTAG00000012124	6.00E-10	5.79E-11	GPBP1	1.03E+01
ENSBTAG00000018452	5.27E-10	2.00E-11	ANKRA2	2.62E+01
ENSBTAG00000046997	1.56E-10	0		1.56E+03
ENSBTAG00000046575	0	0		1.00E+00
ENSBTAG00000011657	3.47E-10	0		3.47E+03
ENSBTAG00000038985	5.97E-11	0		5.98E+02
ENSBTAG00000045813	0	0		1.00E+00
ENSBTAG00000022809	0	0		1.00E+00
ENSBTAG00000040439	6.45E-11	0	HTR1A	6.46E+02
ENSBTAG00000026505	2.16E-09	0		2.16E+04
ENSBTAG00000012971	1.34E-09	0	RNF167	1.34E+04
ENSBTAG00000005491	1.31E-10	0		1.31E+03
ENSBTAG00000012833	1.00E-10	5.41E-10	ATG2B	1.85E-01
ENSBTAG00000018400	1.43E-10	5.61E-10		2.55E-01
ENSBTAG00000001021	2.85E-11	1.08E-10	CYP1A1	2.64E-01
ENSBTAG00000013423	2.15E-10	7.00E-10	GLRX5	3.07E-01
ENSBTAG00000002415	2.08E-10	5.34E-10	TSPAN3	3.90E-01
ENSBTAG00000032477	6.02E-11	1.53E-10	HECTD1	3.94E-01
ENSBTAG00000005846	4.10E-11	1.03E-10	FAM219B	3.98E-01
ENSBTAG00000035184	2.19E-10	5.52E-10		3.96E-01
ENSBTAG00000012351	2.63E-10	6.20E-10		4.25E-01
ENSBTAG00000005845	9.78E-11	2.16E-10	MPI	4.53E-01
ENSBTAG00000046990	1.67E-10	3.69E-10	GON7	4.54E-01



ENSBTAG00000003419	1.63E-10	3.08E-10	EAPP	5.28E-01
ENSBTAG00000016683	7.24E-11	1.22E-10	NFKBIA	5.94E-01
ENSBTAG00000007346	1.34E-10	2.26E-10	COMMD4	5.94E-01
ENSBTAG00000012751	1.15E-10	1.93E-10	BTBD6	5.96E-01
ENSBTAG00000016282	6.15E-11	9.97E-11	EIF5	6.18E-01
ENSBTAG00000015780	2.12E-10	3.42E-10	RCN2	6.21E-01
ENSBTAG00000047229	2.17E-10	3.42E-10		6.35E-01
ENSBTAG00000021293	1.15E-10	1.75E-10	SNUPN	6.55E-01
ENSBTAG00000012219	8.94E-11	1.27E-10	CSPG4	7.04E-01
ENSBTAG00000017096	1.48E-10	2.03E-10	ERICH1	7.28E-01
ENSBTAG00000046364	4.28E-10	5.87E-10		7.30E-01
ENSBTAG00000047166	1.15E-10	1.58E-10	SH2D7	7.27E-01
ENSBTAG00000040134	6.49E-10	8.84E-10		7.34E-01
ENSBTAG00000018007	9.06E-11	1.22E-10	NR2F2	7.43E-01
ENSBTAG00000022989	1.71E-10	2.29E-10	FAM174B	7.49E-01
ENSBTAG00000021425	1.74E-10	2.28E-10	LMAN1L	7.64E-01
ENSBTAG00000008495	1.62E-10	2.13E-10	AP3B2	7.61E-01
ENSBTAG00000001407	1.93E-10	2.53E-10	AP3S2	7.63E-01
ENSBTAG00000000623	3.44E-10	4.46E-10	CPEB1	7.72E-01
ENSBTAG00000021144	6.69E-10	8.55E-10	PSTPIP1	7.82E-01
ENSBTAG00000018637	1.32E-10	1.66E-10	HDCC3	7.93E-01
ENSBTAG00000047240	3.04E-10	3.83E-10		7.94E-01
ENSBTAG00000047130	1.63E-10	2.05E-10		7.93E-01
ENSBTAG00000002661	1.45E-10	1.83E-10	ISLR2	7.95E-01
ENSBTAG000000047970	3.08E-10	3.88E-10		7.94E-01
ENSBTAG00000047606	5.85E-10	7.37E-10	MTA1	7.94E-01
ENSBTAG00000020195	7.17E-10	9.04E-10	ANKRD34C	7.93E-01
ENSBTAG00000021426	1.20E-10	1.51E-10	CPLX3	7.93E-01
ENSBTAG00000005838	8.16E-11	1.03E-10	ULK3	7.93E-01
ENSBTAG00000004272	5.77E-10	7.27E-10		7.93E-01
ENSBTAG00000046186	1.47E-10	1.86E-10		7.92E-01
ENSBTAG000000046377	9.13E-11	1.15E-10		7.94E-01
ENSBTAG00000008624	4.18E-11	5.27E-11	MESDC1	7.94E-01
ENSBTAG00000027075	1.76E-10	2.22E-10		7.92E-01
ENSBTAG00000006868	4.11E-10	5.17E-10	OTUD7A	7.95E-01
ENSBTAG00000048010	1.50E-10	1.89E-10	NUDT14	7.95E-01
ENSBTAG00000012753	4.12E-10	5.06E-10	BRF1	8.15E-01
ENSBTAG00000048049	5.67E-10	6.89E-10		8.23E-01
ENSBTAG00000021845	1.72E-10	2.08E-10	STRN3	8.29E-01
ENSBTAG00000002440	2.43E-10	2.92E-10	KIF7	8.33E-01
ENSBTAG00000009836	7.25E-10	8.67E-10	CHGA	8.36E-01
ENSBTAG00000013981	1.46E-10	1.73E-10	SPTSSA	8.42E-01
ENSBTAG00000046161	6.15E-10	7.26E-10		8.47E-01
ENSBTAG00000019506	3.11E-10	3.66E-10	ODF3L1	8.50E-01
ENSBTAG00000038020	7.73E-10	9.06E-10		8.53E-01
ENSBTAG00000000735	2.12E-10	2.46E-10		8.63E-01
ENSBTAG00000000010	7.37E-11	8.51E-11	UBL7	8.66E-01
ENSBTAG00000016651	1.59E-10	1.82E-10	ISL2	8.73E-01
ENSBTAG00000032951	2.88E-10	3.27E-10	ABHD17C	8.81E-01
ENSBTAG00000007368	3.41E-10	3.84E-10	MAN2C1	8.87E-01
ENSBTAG00000011213	4.93E-10	5.53E-10		8.91E-01
ENSBTAG00000010964	1.71E-10	1.91E-10	STARD5	8.94E-01
ENSBTAG00000017565	3.69E-10	4.10E-10	SCFD1	9.00E-01
ENSBTAG00000006738	4.41E-10	4.90E-10	GPR68	9.01E-01
ENSBTAG00000011446	1.41E-10	1.57E-10	SEMA7A	8.96E-01
ENSBTAG00000002418	3.46E-10	3.84E-10	TICRR	9.00E-01
ENSBTAG00000006673	2.84E-10	3.14E-10	TMEM179	9.04E-01
ENSBTAG00000037938	6.13E-10	6.76E-10		9.07E-01
ENSBTAG00000048314	2.19E-10	2.41E-10		9.07E-01
ENSBTAG00000045986	1.05E-09	1.15E-09	MIA2	9.10E-01
ENSBTAG00000001565	2.84E-10	3.08E-10	MESDC2	9.22E-01
ENSBTAG00000007651	3.35E-10	3.64E-10	TARSL2	9.21E-01
ENSBTAG00000000622	1.67E-10	1.80E-10	RPS17	9.26E-01
ENSBTAG00000007308	2.25E-10	2.42E-10	EDC3	9.28E-01
ENSBTAG00000022775	9.46E-10	1.02E-09	C14orf180	9.27E-01
ENSBTAG00000014089	2.73E-10	2.94E-10	PPCDC	9.30E-01
ENSBTAG00000021318	7.73E-11	8.28E-11	SCAMP5	9.34E-01
ENSBTAG00000021527	2.66E-10	2.84E-10	IGF1R	9.36E-01
ENSBTAG00000009985	1.55E-10	1.65E-10	SIN3A	9.41E-01
ENSBTAG00000008172	3.93E-10	4.17E-10	EGLN3	9.44E-01

ENSBTAG0000001616	2.50E-10	2.64E-10	ZNF592	9.47E-01
ENSBTAG0000001387	3.41E-10	3.60E-10	WDR73	9.48E-01
ENSBTAG0000007348	2.63E-10	2.77E-10	STRA6	9.48E-01
ENSBTAG0000005844	1.58E-10	1.66E-10	SCAMP2	9.50E-01
ENSBTAG0000007304	2.11E-10	2.22E-10	CLK3	9.52E-01
ENSBTAG0000000541	1.30E-10	1.37E-10	NKX2-1	9.50E-01
ENSBTAG00000013422	1.68E-10	1.76E-10	GABRB3	9.56E-01
ENSBTAG00000017267	1.26E-10	1.31E-10	COX5A	9.65E-01
ENSBTAG00000022847	2.89E-10	3.00E-10	HEATR5A	9.63E-01
ENSBTAG00000001385	8.03E-10	8.32E-10	ZSCAN2	9.65E-01
ENSBTAG00000007649	2.30E-10	2.39E-10	TM2D3	9.64E-01
ENSBTAG00000044121	6.42E-10	6.63E-10	NUBPL	9.68E-01
ENSBTAG00000003423	5.44E-10	5.62E-10	DDX24	9.69E-01
ENSBTAG00000017212	7.22E-10	7.43E-10	HYPK	9.71E-01
ENSBTAG00000007319	1.57E-10	1.62E-10	JAG2	9.69E-01
ENSBTAG00000038080	1.08E-09	1.11E-09		9.76E-01
ENSBTAG00000003392	1.82E-10	1.87E-10	GABRA5	9.75E-01
ENSBTAG00000021424	1.20E-10	1.24E-10	CSK	9.71E-01
ENSBTAG00000006912	2.27E-10	2.32E-10	CCDC33	9.76E-01
ENSBTAG00000001617	2.64E-10	2.69E-10	G2E3	9.80E-01
ENSBTAG000000037899	9.88E-11	9.96E-11	DLK1	9.92E-01
ENSBTAG00000017299	4.23E-10	4.24E-10		9.97E-01
ENSBTAG00000001639	2.14E-10	2.11E-10	TRPM1	1.02E+00
ENSBTAG000000019836	3.06E-10	3.01E-10	GSKIP	1.02E+00
ENSBTAG000000017776	8.61E-11	8.41E-11	CHD2	1.02E+00
ENSBTAG00000002941	1.57E-10	1.53E-10	FES	1.03E+00
ENSBTAG00000012490	2.25E-10	2.19E-10	ETFA	1.03E+00
ENSBTAG00000001388	3.23E-10	3.13E-10	NMB	1.03E+00
ENSBTAG000000044101	5.13E-10	4.94E-10	C14orf159	1.04E+00
ENSBTAG00000004598	7.46E-10	7.18E-10	GOLGA5	1.04E+00
ENSBTAG00000012873	2.60E-10	2.50E-10	SNX6	1.04E+00
ENSBTAG000000031885	6.07E-10	5.85E-10	TMEM251	1.04E+00
ENSBTAG000000018310	3.57E-10	3.43E-10	SETD3	1.04E+00
ENSBTAG00000020042	8.24E-10	7.90E-10	KLHL28	1.04E+00
ENSBTAG00000007357	2.00E-10	1.91E-10	CHSY1	1.05E+00
ENSBTAG000000020250	5.78E-10	5.50E-10	SLC28A1	1.05E+00
ENSBTAG000000017896	5.24E-10	4.98E-10	ST8SIA2	1.05E+00
ENSBTAG00000006024	2.10E-10	1.98E-10	ISLR	1.06E+00
ENSBTAG000000039634	2.16E-10	2.04E-10	NSMCE3	1.06E+00
ENSBTAG000000009894	3.37E-10	3.16E-10	SERPINA10	1.07E+00
ENSBTAG00000003414	1.75E-10	1.64E-10	SAXO2	1.07E+00
ENSBTAG00000009086	2.72E-10	2.54E-10	LOXL1	1.07E+00
ENSBTAG000000021531	1.91E-10	1.78E-10	PGPEP1L	1.07E+00
ENSBTAG00000000807	1.43E-10	1.33E-10	TMED3	1.08E+00
ENSBTAG00000001282	2.16E-10	2.00E-10	RALGAPA1	1.08E+00
ENSBTAG000000031834	8.04E-10	7.39E-10		1.09E+00
ENSBTAG000000046346	5.69E-10	5.22E-10	PACS2	1.09E+00
ENSBTAG000000015398	1.33E-10	1.21E-10	TJP1	1.10E+00
ENSBTAG000000048048	1.84E-09	1.68E-09		1.10E+00
ENSBTAG00000006227	1.26E-10	1.14E-10	IDH3A	1.11E+00
ENSBTAG000000003708	2.97E-10	2.69E-10	SEC23A	1.10E+00
ENSBTAG000000046857	5.39E-10	4.87E-10		1.11E+00
ENSBTAG00000002504	1.83E-10	1.65E-10	IREB2	1.11E+00
ENSBTAG000000003132	2.30E-10	2.08E-10	CHRNA4	1.11E+00
ENSBTAG000000046611	1.06E-09	9.50E-10		1.11E+00
ENSBTAG000000001652	5.55E-10	4.95E-10	SLCO3A1	1.12E+00
ENSBTAG000000047002	9.05E-10	8.06E-10		1.12E+00
ENSBTAG000000047955	4.24E-10	3.77E-10	ZNF774	1.12E+00
ENSBTAG000000004024	9.42E-11	8.36E-11	UBE2Q2	1.13E+00
ENSBTAG000000003152	5.85E-10	5.18E-10		1.13E+00
ENSBTAG000000003375	2.07E-10	1.82E-10	TC2N	1.13E+00
ENSBTAG000000017213	6.30E-10	5.56E-10	MFAP1	1.13E+00
ENSBTAG000000011239	2.38E-10	2.06E-10	SEC11A	1.16E+00
ENSBTAG000000018603	1.46E-10	1.27E-10	RGMA	1.15E+00
ENSBTAG000000035333	9.35E-10	8.08E-10		1.16E+00
ENSBTAG000000013055	1.03E-09	8.79E-10		1.17E+00
ENSBTAG000000009293	4.35E-10	3.71E-10	EVL	1.17E+00
ENSBTAG000000015909	1.96E-10	1.68E-10	PDE8A	1.17E+00
ENSBTAG000000013060	7.44E-10	6.32E-10	IQGAP1	1.18E+00
ENSBTAG000000013410	1.92E-10	1.62E-10	MARK3	1.18E+00

ENSBTAG00000019350	3.37E-10	2.85E-10	SLC25A21	1.18E+00
ENSBTAG00000009653	3.38E-10	2.84E-10	TCL1B	1.19E+00
ENSBTAG000000032631	3.77E-10	3.16E-10		1.19E+00
ENSBTAG00000013352	1.52E-10	1.28E-10	NKX2-8	1.19E+00
ENSBTAG00000006620	6.80E-10	5.65E-10	SLC24A4	1.20E+00
ENSBTAG00000000655	5.61E-10	4.65E-10		1.21E+00
ENSBTAG00000007187	3.50E-10	2.88E-10	INF2	1.21E+00
ENSBTAG00000026913	2.94E-10	2.41E-10	HHIPL1	1.22E+00
ENSBTAG00000046076	8.25E-10	6.76E-10		1.22E+00
ENSBTAG00000016062	1.59E-10	1.30E-10	C14orf28	1.22E+00
ENSBTAG00000002613	7.43E-10	6.04E-10	MIS18BP1	1.23E+00
ENSBTAG00000048268	9.82E-10	7.98E-10		1.23E+00
ENSBTAG00000040580	1.10E-09	8.87E-10		1.24E+00
ENSBTAG00000047905	3.02E-10	2.43E-10		1.24E+00
ENSBTAG00000016091	1.08E-09	8.68E-10	KLHL25	1.25E+00
ENSBTAG00000009854	1.46E-10	1.17E-10	MPHOSPH10	1.25E+00
ENSBTAG00000010416	3.61E-10	2.87E-10	RIN3	1.26E+00
ENSBTAG00000003130	1.21E-10	9.66E-11	CHRNA3	1.26E+00
ENSBTAG00000012338	5.88E-10	4.66E-10	FAH	1.26E+00
ENSBTAG00000014440	2.83E-10	2.24E-10	PSMA4	1.26E+00
ENSBTAG00000035995	1.95E-09	1.53E-09	TNFAIP2	1.27E+00
ENSBTAG00000013567	1.10E-09	8.64E-10	OR5D13	1.27E+00
ENSBTAG00000021199	1.02E-09	8.02E-10	APOPT1	1.28E+00
ENSBTAG00000000539	1.66E-10	1.31E-10	LRRC28	1.27E+00
ENSBTAG000000018709	4.52E-10	3.53E-10	CATSPERB	1.28E+00
ENSBTAG00000017194	3.97E-10	3.09E-10	ASPG	1.28E+00
ENSBTAG00000014476	8.98E-10	6.91E-10	ADAL	1.30E+00
ENSBTAG00000016984	1.82E-10	1.40E-10	PTPN9	1.30E+00
ENSBTAG00000048042	3.45E-10	2.64E-10		1.31E+00
ENSBTAG00000020402	6.37E-10	4.81E-10	TDRD9	1.32E+00
ENSBTAG00000004054	1.59E-10	1.20E-10	PAPOLA	1.32E+00
ENSBTAG00000009855	1.57E-10	1.17E-10	FAN1	1.35E+00
ENSBTAG000000039813	1.07E-09	7.97E-10	GZMB	1.34E+00
ENSBTAG00000020514	4.68E-10	3.49E-10		1.34E+00
ENSBTAG00000018527	2.68E-10	2.00E-10	HDGFRP3	1.34E+00
ENSBTAG00000017716	2.77E-10	2.06E-10	BEGAIN	1.34E+00
ENSBTAG00000009941	1.69E-10	1.26E-10	MBIP	1.34E+00
ENSBTAG00000026995	2.31E-10	1.71E-10	PNN	1.35E+00
ENSBTAG00000045929	6.36E-10	4.70E-10		1.35E+00
ENSBTAG000000007365	3.82E-10	2.82E-10	NEIL1	1.36E+00
ENSBTAG00000012321	2.80E-10	2.05E-10		1.37E+00
ENSBTAG00000010981	1.61E-10	1.18E-10	CIB2	1.36E+00
ENSBTAG00000001308	1.14E-09	8.24E-10		1.38E+00
ENSBTAG000000018642	9.88E-11	7.11E-11	RCCD1	1.39E+00
ENSBTAG00000046401	4.61E-10	3.32E-10	RD3L	1.39E+00
ENSBTAG00000000026	1.64E-10	1.17E-10	VPS33B	1.40E+00
ENSBTAG000000047729	1.29E-09	9.15E-10		1.41E+00
ENSBTAG000000018123	2.59E-10	1.84E-10	FBLN5	1.41E+00
ENSBTAG00000009891	3.36E-10	2.37E-10	PPP4R4	1.42E+00
ENSBTAG00000007502	2.59E-10	1.83E-10		1.42E+00
ENSBTAG000000015750	4.57E-10	3.22E-10	AMN	1.42E+00
ENSBTAG000000017719	3.40E-10	2.38E-10	AKAP6	1.43E+00
ENSBTAG00000007109	5.36E-10	3.75E-10	ASB2	1.43E+00
ENSBTAG00000002833	1.20E-10	8.35E-11	FBXO22	1.44E+00
ENSBTAG000000026893	1.26E-09	8.72E-10	EXOC3L4	1.44E+00
ENSBTAG00000003155	1.13E-09	7.79E-10		1.45E+00
ENSBTAG00000018643	1.16E-10	7.98E-11	PRC1	1.45E+00
ENSBTAG00000037383	5.28E-10	3.65E-10	AKAP13	1.45E+00
ENSBTAG000000011828	1.42E-10	9.82E-11	ARID3B	1.44E+00
ENSBTAG00000009845	3.47E-10	2.40E-10	ITPK1	1.45E+00
ENSBTAG000000011752	1.74E-10	1.20E-10	SYNM	1.45E+00
ENSBTAG000000015772	2.18E-10	1.50E-10	STOML1	1.45E+00
ENSBTAG000000017054	9.34E-10	6.39E-10		1.46E+00
ENSBTAG00000046828	3.76E-10	2.56E-10		1.47E+00
ENSBTAG00000010828	9.92E-10	6.75E-10		1.47E+00
ENSBTAG000000013689	5.52E-10	3.75E-10	MCTP2	1.47E+00
ENSBTAG000000011185	1.26E-10	8.55E-11	TTC23	1.47E+00
ENSBTAG000000006270	4.01E-10	2.71E-10	HSP90AA1	1.48E+00
ENSBTAG000000006231	1.61E-10	1.08E-10	ACSBG1	1.49E+00
ENSBTAG000000010992	3.41E-10	2.29E-10	CTSH	1.49E+00

ENSBTAG00000010370	2.35E-10	1.58E-10	C14orf79	1.49E+00
ENSBTAG00000018639	2.51E-10	1.69E-10	UNC45A	1.49E+00
ENSBTAG00000017196	2.29E-10	1.53E-10	PDIA3	1.50E+00
ENSBTAG00000014981	9.26E-10	6.20E-10	OTUB2	1.49E+00
ENSBTAG00000012326	1.52E-09	1.01E-09		1.51E+00
ENSBTAG00000015779	2.49E-10	1.66E-10	PML	1.50E+00
ENSBTAG00000015018	7.19E-10	4.79E-10	FSD2	1.50E+00
ENSBTAG00000008384	8.66E-10	5.73E-10	SLC25A47	1.51E+00
ENSBTAG00000027059	2.04E-10	1.35E-10		1.51E+00
ENSBTAG00000000085	2.57E-10	1.69E-10	CYP1A2	1.52E+00
ENSBTAG00000017201	1.98E-10	1.30E-10	AP4S1	1.52E+00
ENSBTAG00000012789	2.68E-10	1.76E-10	PRKD1	1.53E+00
ENSBTAG00000012926	4.21E-10	2.77E-10	TM6SF1	1.52E+00
ENSBTAG00000021341	1.35E-10	8.82E-11	BTBD1	1.53E+00
ENSBTAG00000027033	7.54E-10	4.92E-10		1.53E+00
ENSBTAG00000009294	6.10E-10	3.97E-10	DEGS2	1.54E+00
ENSBTAG00000019831	6.77E-10	4.40E-10	MRPS11	1.54E+00
ENSBTAG00000002939	1.81E-10	1.14E-10	FURIN	1.59E+00
ENSBTAG00000046590	1.68E-10	1.06E-10	FAM181A	1.59E+00
ENSBTAG00000006130	2.60E-10	1.64E-10	CLEC14A	1.58E+00
ENSBTAG00000010536	1.60E-10	1.01E-10	GPR33	1.59E+00
ENSBTAG00000015350	7.09E-11	4.46E-11	PLIN1	1.59E+00
ENSBTAG00000004310	2.04E-10	1.28E-10	UBR7	1.59E+00
ENSBTAG00000018905	1.61E-10	1.02E-10	MAN2A2	1.58E+00
ENSBTAG00000018252	1.95E-10	1.23E-10	ARRDC4	1.59E+00
ENSBTAG00000045497	4.94E-10	3.10E-10		1.59E+00
ENSBTAG00000015462	2.87E-10	1.81E-10	BNC1	1.59E+00
ENSBTAG00000003556	2.86E-10	1.80E-10	ZFYVE21	1.59E+00
ENSBTAG00000047319	2.72E-10	1.71E-10		1.59E+00
ENSBTAG00000018019	2.13E-10	1.33E-10	BCL11B	1.60E+00
ENSBTAG00000013491	6.58E-10	4.09E-10	EML1	1.61E+00
ENSBTAG00000002786	1.26E-09	7.79E-10		1.61E+00
ENSBTAG00000012489	1.64E-10	1.00E-10	TMEM266	1.64E+00
ENSBTAG00000020023	3.61E-10	2.21E-10		1.63E+00
ENSBTAG00000008017	3.24E-10	1.97E-10	UNC79	1.64E+00
ENSBTAG00000021844	1.92E-10	1.17E-10	COCH	1.64E+00
ENSBTAG00000003492	6.72E-10	4.08E-10		1.65E+00
ENSBTAG00000015775	1.50E-10	8.98E-11		1.67E+00
ENSBTAG00000014230	1.01E-10	6.05E-11	VRK1	1.67E+00
ENSBTAG00000013475	7.32E-10	4.36E-10	TRAF3	1.68E+00
ENSBTAG00000017636	3.40E-10	2.02E-10	AKT1	1.68E+00
ENSBTAG00000019580	3.13E-10	1.86E-10	TCL1A	1.68E+00
ENSBTAG00000010649	3.89E-10	2.30E-10	MEF2A	1.69E+00
ENSBTAG00000019823	4.75E-10	2.81E-10	ADAMTS17	1.69E+00
ENSBTAG00000017215	6.21E-10	3.65E-10	WDR76	1.70E+00
ENSBTAG00000014422	9.61E-11	5.63E-11	MTMR10	1.70E+00
ENSBTAG00000021273	1.72E-10	1.01E-10	SEMA4B	1.71E+00
ENSBTAG00000021904	7.05E-10	4.10E-10	KIF26A	1.72E+00
ENSBTAG00000004679	6.36E-10	3.70E-10	WARS	1.72E+00
ENSBTAG00000019916	8.23E-10	4.72E-10	CLMN	1.74E+00
ENSBTAG00000003526	1.02E-09	5.85E-10	SYNE3	1.75E+00
ENSBTAG00000017622	4.12E-10	2.35E-10	SIVA1	1.75E+00
ENSBTAG00000035998	2.79E-10	1.59E-10	CKB	1.75E+00
ENSBTAG00000017211	3.52E-10	1.99E-10	SERINC4	1.77E+00
ENSBTAG00000015160	3.00E-10	1.70E-10	PLD4	1.77E+00
ENSBTAG00000018636	2.67E-10	1.51E-10	CCNK	1.76E+00
ENSBTAG00000018843	4.56E-10	2.54E-10	SERPINA1	1.80E+00
ENSBTAG00000012166	2.30E-10	1.27E-10	TMC3	1.81E+00
ENSBTAG00000009186	1.47E-10	8.14E-11	PAX9	1.80E+00
ENSBTAG00000006141	1.67E-10	9.19E-11	WDR93	1.82E+00
ENSBTAG00000027024	1.34E-10	7.40E-11	ARHGAP5	1.82E+00
ENSBTAG00000000838	6.05E-10	3.29E-10	CCDC88C	1.84E+00
ENSBTAG00000003410	4.61E-10	2.48E-10	EFL1	1.86E+00
ENSBTAG00000013657	2.50E-10	1.33E-10	CHRNA5	1.88E+00
ENSBTAG00000006819	1.93E-10	1.02E-10		1.89E+00
ENSBTAG00000015880	9.21E-10	4.85E-10	PRIMA1	1.90E+00
ENSBTAG00000011861	1.81E-10	9.47E-11	CFAP161	1.91E+00
ENSBTAG00000007431	2.03E-10	1.06E-10	CEMIP	1.91E+00
ENSBTAG00000046979	2.32E-10	1.21E-10	LGMN	1.92E+00
ENSBTAG00000020301	2.56E-10	1.33E-10	BLM	1.92E+00

ENSBTAG00000016522	3.77E-10	1.96E-10	C15orf40	1.92E+00
ENSBTAG00000003559	3.87E-10	2.00E-10	PPP1R13B	1.93E+00
ENSBTAG00000001396	3.00E-10	1.54E-10	ADAMTS7	1.95E+00
ENSBTAG00000018004	4.20E-10	2.16E-10	SH3GL3	1.94E+00
ENSBTAG00000009966	2.94E-10	1.51E-10	XRCC3	1.95E+00
ENSBTAG00000007503	2.80E-10	1.43E-10	STRC	1.96E+00
ENSBTAG00000004645	2.81E-10	1.43E-10	ADAMTSL3	1.96E+00
ENSBTAG00000021291	6.37E-10	3.23E-10	STXBP6	1.97E+00
ENSBTAG00000007052	8.43E-10	4.25E-10	BDKRB1	1.98E+00
ENSBTAG00000007007	3.60E-10	1.81E-10	WDR20	1.99E+00
ENSBTAG00000001786	4.03E-10	2.03E-10	HYKK	1.99E+00
ENSBTAG00000037578	5.93E-10	2.98E-10		1.99E+00
ENSBTAG00000007094	1.24E-10	6.22E-11	KIAA1024	1.98E+00
ENSBTAG00000002612	5.91E-10	2.94E-10		2.01E+00
ENSBTAG00000020192	2.48E-10	1.23E-10	PPP2R5C	2.02E+00
ENSBTAG00000025181	6.82E-10	3.35E-10	CCDC85C	2.03E+00
ENSBTAG000000013234	7.58E-10	3.72E-10		2.04E+00
ENSBTAG00000009097	2.45E-10	1.19E-10	FANCI	2.05E+00
ENSBTAG00000003957	2.60E-10	1.26E-10		2.06E+00
ENSBTAG00000039808	3.58E-10	1.72E-10	SERPINA6	2.08E+00
ENSBTAG00000010915	2.16E-10	1.03E-10	CRTC3	2.10E+00
ENSBTAG000000021717	6.17E-10	2.93E-10	BDKRB2	2.11E+00
ENSBTAG000000032130	4.22E-10	2.00E-10	CATSPER2	2.11E+00
ENSBTAG000000017715	4.51E-10	2.13E-10	HOMER2	2.12E+00
ENSBTAG000000031327	2.42E-10	1.12E-10	TRMT61A	2.16E+00
ENSBTAG00000005040	1.70E-10	7.83E-11	PPP4R3A	2.17E+00
ENSBTAG00000002170	3.78E-10	1.73E-10	NOVA1	2.18E+00
ENSBTAG00000001567	5.55E-10	2.47E-10	LRRK1	2.25E+00
ENSBTAG000000017216	6.34E-10	2.79E-10	FRMD5	2.27E+00
ENSBTAG00000006934	2.23E-10	9.66E-11	CYP11A1	2.30E+00
ENSBTAG00000007382	3.05E-10	1.31E-10	SCAPER	2.33E+00
ENSBTAG00000004802	2.89E-10	1.23E-10	CEP170B	2.35E+00
ENSBTAG000000010407	1.57E-10	6.60E-11	GSC	2.38E+00
ENSBTAG00000010057	7.25E-11	3.04E-11	GZMB	2.38E+00
ENSBTAG00000015944	9.02E-11	3.79E-11	WDR61	2.38E+00
ENSBTAG00000006582	1.98E-10	8.29E-11	SSTR1	2.38E+00
ENSBTAG000000015095	4.25E-10	1.77E-10	TTC6	2.40E+00
ENSBTAG00000016881	3.67E-10	1.52E-10	ANPEP	2.41E+00
ENSBTAG00000002610	6.57E-10	2.71E-10	FKBP3	2.42E+00
ENSBTAG00000000967	9.59E-10	3.95E-10	DET1	2.43E+00
ENSBTAG00000004063	3.35E-10	1.35E-10	SERPINA5	2.48E+00
ENSBTAG00000003435	5.40E-10	2.16E-10	FAM189A1	2.50E+00
ENSBTAG00000019940	2.19E-10	8.75E-11	RASGRF1	2.50E+00
ENSBTAG000000010514	3.84E-10	1.53E-10	ASB7	2.51E+00
ENSBTAG000000023079	7.31E-10	2.90E-10		2.52E+00
ENSBTAG000000014762	1.10E-09	4.35E-10	ISG20	2.54E+00
ENSBTAG000000012909	1.82E-10	7.17E-11	CRABP1	2.54E+00
ENSBTAG000000026886	4.91E-10	1.93E-10	C14orf2	2.54E+00
ENSBTAG000000035247	1.33E-10	5.13E-11	MCEE	2.58E+00
ENSBTAG00000003300	9.10E-10	3.50E-10	MFGE8	2.60E+00
ENSBTAG000000021064	6.01E-10	2.29E-10		2.62E+00
ENSBTAG00000007233	5.68E-10	2.17E-10	WDR25	2.62E+00
ENSBTAG000000019085	4.35E-10	1.64E-10	SRP54	2.65E+00
ENSBTAG000000001740	1.00E-09	3.73E-10	HAPLN3	2.69E+00
ENSBTAG000000038159	4.78E-10	1.78E-10		2.68E+00
ENSBTAG000000038494	2.20E-09	8.11E-10		2.72E+00
ENSBTAG00000003684	3.52E-10	1.29E-10		2.72E+00
ENSBTAG000000047040	4.55E-10	1.67E-10		2.72E+00
ENSBTAG000000009680	3.51E-10	1.28E-10	FAM177A1	2.74E+00
ENSBTAG000000013666	4.28E-10	1.56E-10	SLC25A29	2.74E+00
ENSBTAG000000010882	4.99E-10	1.79E-10	ANKRD9	2.79E+00
ENSBTAG000000009681	2.10E-10	7.22E-11	PPP2R3C	2.91E+00
ENSBTAG000000033721	3.16E-10	1.08E-10	RLBP1	2.92E+00
ENSBTAG000000032132	2.69E-10	9.23E-11	ELL3	2.91E+00
ENSBTAG000000012022	3.82E-10	1.27E-10	TBC1D2B	3.01E+00
ENSBTAG000000002603	5.70E-10	1.88E-10	PRPF39	3.03E+00
ENSBTAG000000009125	3.42E-10	1.12E-10	ALDH1A3	3.05E+00
ENSBTAG000000004462	3.72E-10	1.22E-10	NPAS3	3.05E+00
ENSBTAG000000027081	6.86E-10	2.25E-10	ATP10A	3.05E+00
ENSBTAG000000017711	4.69E-10	1.53E-10	WHAMM	3.07E+00

ENSBTAG00000010988	2.59E-10	8.28E-11		3.12E+00
ENSBTAG00000017361	1.13E-10	3.57E-11	BAG5	3.17E+00
ENSBTAG00000006140	4.62E-11	1.46E-11		3.15E+00
ENSBTAG00000031934	3.42E-10	1.08E-10	FSCB	3.17E+00
ENSBTAG00000005174	1.42E-10	4.46E-11	GDPGP1	3.18E+00
ENSBTAG00000015053	2.47E-10	7.78E-11	CFL2	3.18E+00
ENSBTAG00000005145	4.45E-10	1.39E-10	PEAK1	3.20E+00
ENSBTAG00000047587	5.84E-10	1.83E-10		3.19E+00
ENSBTAG00000017632	7.12E-10	2.23E-10	AEN	3.19E+00
ENSBTAG00000046185	2.48E-10	7.70E-11	BTBD7	3.22E+00
ENSBTAG00000017616	3.64E-10	1.10E-10	ADSSL1	3.31E+00
ENSBTAG00000009098	3.10E-10	9.30E-11	POLG	3.33E+00
ENSBTAG00000015942	2.96E-10	8.78E-11	DNAJA4	3.36E+00
ENSBTAG00000006675	3.82E-10	1.11E-10	PCSK6	3.44E+00
ENSBTAG00000001526	2.97E-09	8.56E-10		3.47E+00
ENSBTAG00000020819	4.16E-10	1.19E-10	YY1	3.50E+00
ENSBTAG00000046540	6.87E-10	1.96E-10		3.51E+00
ENSBTAG00000014005	4.15E-10	1.17E-10	PPIP5K1	3.54E+00
ENSBTAG00000012852	4.96E-10	1.39E-10	DICER1	3.57E+00
ENSBTAG00000019954	9.01E-10	2.53E-10	ABHD2	3.56E+00
ENSBTAG00000016603	5.88E-10	1.62E-10		3.63E+00
ENSBTAG00000009682	2.29E-10	6.25E-11		3.66E+00
ENSBTAG00000014479	7.98E-10	2.18E-10	TUBGCP4	3.66E+00
ENSBTAG00000014505	3.11E-10	8.50E-11	NGRN	3.66E+00
ENSBTAG00000002336	4.63E-10	1.26E-10	RCOR1	3.67E+00
ENSBTAG00000016112	6.38E-10	1.74E-10	LINC00521	3.67E+00
ENSBTAG00000039864	9.37E-10	2.53E-10	SERPINA4	3.70E+00
ENSBTAG00000016854	6.24E-10	1.65E-10	AK7	3.78E+00
ENSBTAG00000048094	4.62E-10	1.22E-10		3.79E+00
ENSBTAG00000007392	4.77E-10	1.26E-10		3.78E+00
ENSBTAG00000004339	9.09E-10	2.39E-10		3.80E+00
ENSBTAG00000014001	4.06E-10	1.06E-10	MAP1A	3.83E+00
ENSBTAG00000019830	7.82E-10	2.00E-10	MRPL46	3.91E+00
ENSBTAG00000016456	5.30E-10	1.35E-10	CDC42BPB	3.92E+00
ENSBTAG00000021275	1.29E-10	3.25E-11	CIB1	3.96E+00
ENSBTAG00000015023	6.79E-10	1.68E-10	TRAPPC6B	4.04E+00
ENSBTAG00000010963	1.78E-10	4.31E-11	IL16	4.13E+00
ENSBTAG00000016158	7.37E-10	1.67E-10	ACAN	4.41E+00
ENSBTAG00000027074	4.61E-10	1.02E-10	SV2B	4.52E+00
ENSBTAG00000016598	3.40E-10	7.45E-11	DYNC1H1	4.56E+00
ENSBTAG00000035544	1.17E-09	2.45E-10	CYP46A1	4.76E+00
ENSBTAG00000027058	2.21E-10	4.62E-11	MESP2	4.77E+00
ENSBTAG00000047694	2.84E-10	5.96E-11		4.77E+00
ENSBTAG00000036082	1.35E-09	2.82E-10		4.80E+00
ENSBTAG00000010995	2.92E-10	5.76E-11	CINP	5.06E+00
ENSBTAG00000005471	3.97E-10	7.84E-11	RHCG	5.06E+00
ENSBTAG00000048096	1.85E-09	3.63E-10		5.10E+00
ENSBTAG00000038361	6.99E-10	1.36E-10	SERPINA11	5.14E+00
ENSBTAG00000020441	3.30E-10	6.34E-11	HMG20A	5.21E+00
ENSBTAG00000007043	6.68E-10	1.23E-10		5.43E+00
ENSBTAG00000013593	6.06E-10	1.11E-10	SNRPA1	5.46E+00
ENSBTAG00000039117	4.55E-10	8.24E-11	FAM179B	5.52E+00
ENSBTAG00000012206	2.79E-10	5.01E-11	SNX33	5.56E+00
ENSBTAG00000047710	7.38E-10	1.32E-10		5.58E+00
ENSBTAG00000033335	1.22E-09	2.18E-10		5.60E+00
ENSBTAG00000005786	3.31E-10	5.89E-11	ATXN3	5.60E+00
ENSBTAG00000021304	6.16E-10	1.09E-10	TP53BP1	5.64E+00
ENSBTAG00000001618	3.06E-10	5.33E-11	ALPK3	5.74E+00
ENSBTAG00000020164	2.06E-10	3.50E-11	BAZ1A	5.88E+00
ENSBTAG00000027069	3.53E-10	5.78E-11	FAM103A1	6.09E+00
ENSBTAG00000026953	3.03E-10	4.71E-11		6.42E+00
ENSBTAG00000020930	5.54E-10	8.63E-11	GEMIN2	6.42E+00
ENSBTAG00000007041	5.14E-10	7.79E-11		6.60E+00
ENSBTAG00000016495	1.10E-10	1.54E-11	LINS1	7.13E+00
ENSBTAG00000014478	4.27E-10	5.96E-11	ZSCAN29	7.16E+00
ENSBTAG00000017924	9.10E-10	1.20E-10	ODC1	7.57E+00
ENSBTAG00000006191	7.75E-10	1.00E-10	SERPINA12	7.74E+00
ENSBTAG00000032059	4.68E-10	5.79E-11	TGM5	8.07E+00
ENSBTAG00000010993	5.12E-10	6.17E-11		8.28E+00
ENSBTAG00000026917	6.57E-10	7.72E-11		8.50E+00

ENSBTAG00000047366	1.23E-09	1.40E-10		8.80E+00
ENSBTAG00000014093	3.93E-10	4.43E-11	IDH2	8.85E+00
ENSBTAG00000047632	6.80E-10	6.55E-11	IGHE	1.04E+01
ENSBTAG00000012143	5.52E-10	5.27E-11	TECPR2	1.05E+01
ENSBTAG00000020413	4.57E-10	4.27E-11	APBA2	1.07E+01
ENSBTAG00000006836	7.86E-10	7.34E-11	FBXO33	1.07E+01
ENSBTAG00000006648	2.39E-10	2.14E-11		1.11E+01
ENSBTAG00000006621	1.44E-10	1.25E-11		1.14E+01
ENSBTAG00000021021	2.36E-10	1.98E-11	C15orf39	1.19E+01
ENSBTAG00000010227	3.39E-10	2.80E-11	CPSF2	1.21E+01
ENSBTAG00000015156	3.67E-10	2.98E-11		1.23E+01
ENSBTAG00000019174	6.99E-10	5.41E-11	ZNF710	1.29E+01
ENSBTAG00000047543	1.06E-09	7.92E-11		1.33E+01
ENSBTAG00000009683	5.36E-10	3.91E-11	PSMA6	1.37E+01
ENSBTAG00000006987	3.43E-10	2.47E-11	CERS3	1.38E+01
ENSBTAG00000018708	5.55E-10	3.87E-11		1.43E+01
ENSBTAG00000015412	9.30E-10	6.30E-11	TGM7	1.47E+01
ENSBTAG00000008251	2.03E-10	1.32E-11	SNRPN	1.53E+01
ENSBTAG00000002487	1.31E-10	8.13E-12	UBE3A	1.59E+01
ENSBTAG00000000640	6.37E-10	2.25E-11	SELENOS	2.82E+01
ENSBTAG00000007008	6.63E-10	6.91E-12	MOK	9.45E+01
ENSBTAG00000016630	2.19E-10	0	MEX3B	2.19E+03
ENSBTAG00000047935	4.52E-10	0		4.52E+03
ENSBTAG00000012199	8.03E-10	0	IMP3	8.03E+03
ENSBTAG00000013888	1.30E-10	0	FOXA1	1.30E+03
ENSBTAG00000009980	7.52E-11	0		7.53E+02
ENSBTAG00000007009	2.75E-10	0		2.75E+03
ENSBTAG00000047700	1.40E-09	0		1.40E+04
ENSBTAG00000002186	5.09E-11	0	NDN	5.10E+02
ENSBTAG00000045998	9.22E-11	0	MAGEL2	9.23E+02
ENSBTAG00000010192	3.18E-10	0		3.18E+03
ENSBTAG000000046412	0	0		1.00E+00
ENSBTAG000000023147	2.67E-10	0	LINGO1	2.67E+03
ENSBTAG00000021693	0	0	RPP25	1.00E+00
ENSBTAG00000031558	0	0		1.00E+00
ENSBTAG00000014472	6.00E-10	0	LCMT2	6.00E+03
ENSBTAG00000000425	0	0		1.00E+00
ENSBTAG00000024311	0	0		1.00E+00
ENSBTAG00000046585	1.44E-10	0	RTL1	1.44E+03
ENSBTAG000000043578	0	0		1.00E+00
ENSBTAG00000037977	0	0		1.00E+00
ENSBTAG00000005038	6.64E-11	0	ZBTB42	6.65E+02
ENSBTAG00000031242	2.45E-10	0	CDCA4	2.45E+03
ENSBTAG00000005647	1.46E-10	0	GPR132	1.46E+03
ENSBTAG00000045594	8.56E-11	0	TMEM121	8.57E+02
ENSBTAG00000046763	1.90E-10	6.73E-10	FAM107A	2.82E-01
ENSBTAG00000016615	2.04E-10	6.33E-10	ABHD6	3.22E-01
ENSBTAG00000022656	1.35E-10	4.10E-10	KCTD6	3.30E-01
ENSBTAG00000010916	3.66E-11	1.08E-10	LHFPL4	3.40E-01
ENSBTAG00000019078	2.42E-10	6.11E-10	UCN2	3.96E-01
ENSBTAG00000020962	4.67E-11	1.18E-10	TUSC2	3.96E-01
ENSBTAG00000008244	5.35E-11	1.35E-10		3.97E-01
ENSBTAG00000006500	2.90E-11	7.32E-11	RBM15B	3.97E-01
ENSBTAG00000021508	1.67E-10	3.45E-10	LMOD3	4.85E-01
ENSBTAG000000040574	8.65E-11	1.64E-10	IQCF5	5.28E-01
ENSBTAG00000046011	9.72E-11	1.84E-10		5.29E-01
ENSBTAG00000032026	6.88E-11	1.30E-10	GMPPB	5.29E-01
ENSBTAG00000004878	1.42E-10	2.60E-10	CAMKV	5.47E-01
ENSBTAG00000047135	1.89E-10	3.21E-10	GORASP1	5.89E-01
ENSBTAG00000031287	3.05E-10	5.13E-10	TMEM158	5.94E-01
ENSBTAG00000031447	9.61E-11	1.62E-10	PRSS45	5.94E-01
ENSBTAG00000001067	1.26E-10	2.07E-10	GRM2	6.07E-01
ENSBTAG00000002147	1.05E-10	1.71E-10	PPP4R2	6.14E-01
ENSBTAG00000013716	2.08E-10	3.32E-10	NR2C2	6.26E-01
ENSBTAG00000003622	2.43E-10	3.69E-10	ZKSCAN7	6.60E-01
ENSBTAG00000011585	8.35E-11	1.26E-10	MST1	6.63E-01
ENSBTAG00000022598	1.36E-10	2.00E-10		6.81E-01
ENSBTAG00000016013	4.78E-10	6.94E-10	ASB14	6.88E-01
ENSBTAG00000011088	1.79E-10	2.61E-10	SLC6A6	6.86E-01
ENSBTAG00000016101	1.18E-10	1.69E-10	VHLL	6.96E-01

ENSBTAG00000018622	6.58E-11	9.33E-11	PCBP4	7.06E-01
ENSBTAG00000004512	4.40E-10	6.22E-10	MKRN2	7.08E-01
ENSBTAG000000022681	2.11E-10	2.89E-10	EOGT	7.31E-01
ENSBTAG000000038640	1.80E-10	2.43E-10		7.42E-01
ENSBTAG000000013725	1.39E-10	1.86E-10	RBSN	7.46E-01
ENSBTAG000000022575	3.78E-10	5.00E-10	TPRA1	7.55E-01
ENSBTAG000000003110	4.29E-10	5.60E-10		7.66E-01
ENSBTAG000000010477	1.56E-10	1.99E-10	TTC21A	7.82E-01
ENSBTAG000000001874	2.06E-10	2.62E-10	DOCK3	7.87E-01
ENSBTAG000000006501	1.13E-10	1.43E-10	DCAF1	7.89E-01
ENSBTAG000000013356	1.15E-10	1.45E-10		7.92E-01
ENSBTAG000000019163	1.12E-10	1.42E-10		7.92E-01
ENSBTAG000000006179	1.18E-10	1.48E-10	DNAJB8	7.95E-01
ENSBTAG000000039727	2.16E-10	2.72E-10	DCLK3	7.95E-01
ENSBTAG000000022733	4.48E-11	5.65E-11	EPM2AIP1	7.93E-01
ENSBTAG000000004747	4.96E-11	6.25E-11		7.94E-01
ENSBTAG000000004771	3.37E-10	4.24E-10		7.94E-01
ENSBTAG000000039133	6.18E-10	7.79E-10	C3orf49	7.93E-01
ENSBTAG000000020965	3.86E-11	4.86E-11	ZMYND10	7.94E-01
ENSBTAG000000045666	2.58E-10	3.25E-10		7.93E-01
ENSBTAG000000013932	8.89E-11	1.12E-10	CCDC71	7.94E-01
ENSBTAG000000010835	6.04E-11	7.61E-11	CRELD1	7.94E-01
ENSBTAG000000019161	4.98E-11	6.28E-11	NPRL2	7.94E-01
ENSBTAG0000000044079	2.55E-11	3.21E-11	SMIM4	7.95E-01
ENSBTAG0000000005728	1.10E-10	1.38E-10	CDHR4	7.97E-01
ENSBTAG000000022632	2.84E-11	3.58E-11	TCTA	7.93E-01
ENSBTAG000000031797	2.13E-11	2.69E-11	MANF	7.93E-01
ENSBTAG000000019832	2.68E-10	3.35E-10	TGFBR2	8.00E-01
ENSBTAG000000005857	8.97E-10	1.09E-09	SLC6A1	8.23E-01
ENSBTAG000000019987	5.20E-10	6.27E-10	RPP14	8.30E-01
ENSBTAG000000004178	1.89E-10	2.28E-10	ACOX2	8.29E-01
ENSBTAG000000008778	2.61E-10	3.14E-10	CHST13	8.30E-01
ENSBTAG000000013124	3.85E-10	4.62E-10	LRTM1	8.32E-01
ENSBTAG000000038298	3.46E-10	4.12E-10	CCDC174	8.40E-01
ENSBTAG000000047174	4.20E-10	4.97E-10		8.44E-01
ENSBTAG000000032374	5.30E-10	6.27E-10	SELENOK	8.45E-01
ENSBTAG000000046301	2.87E-10	3.37E-10	ZNF445	8.51E-01
ENSBTAG000000005321	3.42E-10	3.99E-10	CADPS	8.57E-01
ENSBTAG000000000982	1.23E-10	1.42E-10	C3orf84	8.66E-01
ENSBTAG000000019536	6.27E-10	7.23E-10	CRBN	8.68E-01
ENSBTAG000000011178	6.86E-10	7.90E-10	IL17RB	8.68E-01
ENSBTAG000000048050	1.08E-10	1.24E-10		8.67E-01
ENSBTAG000000032872	5.75E-10	6.54E-10		8.80E-01
ENSBTAG000000021911	3.66E-10	4.14E-10	PTPRG	8.84E-01
ENSBTAG000000014547	3.14E-10	3.51E-10	PGAM2	8.94E-01
ENSBTAG000000002321	1.70E-10	1.91E-10	AMT	8.93E-01
ENSBTAG000000004014	6.52E-10	7.26E-10	FBLN2	8.97E-01
ENSBTAG000000015046	3.13E-10	3.47E-10	MST1R	9.03E-01
ENSBTAG000000007131	4.48E-10	4.96E-10	GADL1	9.02E-01
ENSBTAG000000014550	1.67E-10	1.85E-10	GLT8D1	9.04E-01
ENSBTAG000000019193	5.96E-11	6.57E-11	SETD5	9.08E-01
ENSBTAG000000002923	9.40E-11	1.04E-10	CX3CR1	9.04E-01
ENSBTAG000000021643	8.64E-10	9.48E-10	EFCAB12	9.12E-01
ENSBTAG000000014784	2.07E-10	2.27E-10	NT5DC2	9.11E-01
ENSBTAG000000018198	2.84E-10	3.10E-10		9.17E-01
ENSBTAG000000014091	4.33E-10	4.72E-10	ARHGEF3	9.17E-01
ENSBTAG000000015708	2.30E-10	2.51E-10	CXCR6	9.17E-01
ENSBTAG000000020260	2.27E-10	2.48E-10	SYN2	9.16E-01
ENSBTAG000000005431	3.38E-10	3.66E-10	LMCD1	9.24E-01
ENSBTAG000000019096	3.28E-10	3.54E-10	UQCRC1	9.27E-01
ENSBTAG000000004749	1.03E-10	1.11E-10	NEK4	9.28E-01
ENSBTAG000000008406	3.06E-10	3.31E-10	TREX1	9.26E-01
ENSBTAG000000031348	6.07E-10	6.55E-10	CCR9	9.27E-01
ENSBTAG000000014782	1.49E-10	1.59E-10	STAB1	9.36E-01
ENSBTAG000000015554	8.90E-11	9.51E-11	TMF1	9.36E-01
ENSBTAG000000001292	6.07E-10	6.49E-10	LF	9.35E-01
ENSBTAG000000040133	3.61E-10	3.85E-10	C3orf20	9.37E-01
ENSBTAG000000019534	7.86E-10	8.31E-10	TRNT1	9.46E-01
ENSBTAG000000017547	6.07E-10	6.41E-10	DBNL	9.47E-01
ENSBTAG000000021835	5.46E-10	5.74E-10	PRICKLE2	9.51E-01



ENSBTAG00000010094	1.51E-10	1.58E-10	FANCD2OS	9.54E-01
ENSBTAG00000009863	1.74E-10	1.83E-10	BHLHE40	9.52E-01
ENSBTAG000000047200	6.96E-10	7.30E-10		9.53E-01
ENSBTAG00000010026	3.27E-10	3.43E-10	CACNA1D	9.52E-01
ENSBTAG00000005922	5.80E-10	6.05E-10	EFCC1	9.59E-01
ENSBTAG00000003237	3.05E-10	3.17E-10	IQSEC1	9.61E-01
ENSBTAG00000018921	1.23E-10	1.27E-10	USP19	9.65E-01
ENSBTAG00000013413	2.48E-10	2.57E-10	CCDC51	9.67E-01
ENSBTAG00000006735	5.40E-10	5.58E-10	STAC	9.68E-01
ENSBTAG00000004118	4.50E-10	4.64E-10	ALAS1	9.70E-01
ENSBTAG00000011894	2.64E-10	2.72E-10	C3orf62	9.69E-01
ENSBTAG00000018767	3.33E-10	3.43E-10	RTP3	9.70E-01
ENSBTAG000000047883	2.74E-10	2.81E-10		9.74E-01
ENSBTAG00000006824	1.74E-10	1.79E-10	APPL1	9.73E-01
ENSBTAG00000006193	2.71E-10	2.79E-10	IRAK2	9.71E-01
ENSBTAG00000038962	3.57E-10	3.66E-10	SLC6A11	9.76E-01
ENSBTAG00000007964	1.43E-10	1.47E-10	ARPC4	9.75E-01
ENSBTAG00000030855	2.65E-10	2.70E-10	CHCHD6	9.80E-01
ENSBTAG00000001333	2.25E-10	2.28E-10	PPARG	9.86E-01
ENSBTAG00000034871	8.15E-10	8.29E-10		9.84E-01
ENSBTAG00000016725	7.34E-10	7.43E-10	KIAA1143	9.87E-01
ENSBTAG00000008099	1.29E-10	1.30E-10	CCR5	9.96E-01
ENSBTAG00000021645	9.67E-10	9.75E-10	MBD4	9.92E-01
ENSBTAG00000003112	6.34E-11	6.39E-11	THUMPD3	9.92E-01
ENSBTAG000000004117	4.90E-10	4.92E-10	AZI2	9.95E-01
ENSBTAG00000018928	1.12E-10	1.13E-10	QARS	9.91E-01
ENSBTAG00000003328	5.23E-10	5.25E-10		9.95E-01
ENSBTAG00000008509	3.84E-10	3.85E-10	SLC38A3	9.98E-01
ENSBTAG000000045757	1.42E-10	1.43E-10	TNNC1	9.91E-01
ENSBTAG00000014971	9.47E-10	9.50E-10	SEC61G	9.97E-01
ENSBTAG00000004877	2.71E-10	2.70E-10	TRAIIP	1.00E+00
ENSBTAG000000018307	2.89E-10	2.88E-10	SEMA3F	1.00E+00
ENSBTAG000000016532	7.00E-11	6.98E-11	MAPKAPK3	1.00E+00
ENSBTAG00000007363	4.89E-10	4.87E-10	LSM3	1.00E+00
ENSBTAG00000001889	2.95E-10	2.93E-10	C3orf14	1.01E+00
ENSBTAG00000003501	7.18E-10	7.13E-10	SACM1L	1.01E+00
ENSBTAG000000018026	6.21E-10	6.16E-10	LANCL2	1.01E+00
ENSBTAG00000014418	5.30E-10	5.25E-10	FHIT	1.01E+00
ENSBTAG00000001305	4.02E-10	3.96E-10	ATP2B2	1.02E+00
ENSBTAG000000016076	2.61E-10	2.57E-10	TRAK1	1.01E+00
ENSBTAG00000016533	1.90E-10	1.87E-10	FOXP1	1.02E+00
ENSBTAG00000015556	1.19E-10	1.17E-10	UBA3	1.02E+00
ENSBTAG000000034796	3.00E-10	2.95E-10	TEX264	1.02E+00
ENSBTAG000000004937	9.16E-10	9.00E-10	SEC61A1	1.02E+00
ENSBTAG00000007615	7.32E-10	7.19E-10	CNTN3	1.02E+00
ENSBTAG000000040083	2.04E-10	2.00E-10		1.02E+00
ENSBTAG000000016731	2.12E-10	2.07E-10	TMEM42	1.02E+00
ENSBTAG000000019989	2.75E-10	2.70E-10	PXK	1.02E+00
ENSBTAG00000008416	3.82E-10	3.74E-10	ABHD5	1.02E+00
ENSBTAG000000019479	3.29E-10	3.20E-10		1.03E+00
ENSBTAG00000007208	8.21E-10	7.96E-10	HDAC11	1.03E+00
ENSBTAG000000020047	1.63E-10	1.59E-10	MON1A	1.02E+00
ENSBTAG000000047611	1.10E-09	1.07E-09		1.03E+00
ENSBTAG000000011899	1.89E-10	1.83E-10	USP4	1.03E+00
ENSBTAG000000006789	3.33E-10	3.23E-10	FGD5	1.03E+00
ENSBTAG000000018031	3.38E-10	3.28E-10	PODXL2	1.03E+00
ENSBTAG000000001712	6.27E-10	6.02E-10	CMTM7	1.04E+00
ENSBTAG000000015112	3.44E-10	3.28E-10	PSMD6	1.05E+00
ENSBTAG000000031612	1.25E-09	1.19E-09	SPINK8	1.05E+00
ENSBTAG000000012335	1.08E-10	1.02E-10	UBA7	1.06E+00
ENSBTAG000000013442	1.55E-10	1.47E-10	GPR62	1.06E+00
ENSBTAG000000030930	6.41E-10	6.07E-10	HMCES	1.06E+00
ENSBTAG000000008399	1.87E-10	1.77E-10		1.06E+00
ENSBTAG000000011583	2.32E-10	2.19E-10	APEH	1.06E+00
ENSBTAG000000015483	3.10E-10	2.93E-10	CCR8	1.06E+00
ENSBTAG000000009183	1.79E-10	1.70E-10	SHISA5	1.06E+00
ENSBTAG000000020263	1.43E-10	1.35E-10	TIMP4	1.06E+00
ENSBTAG000000020019	3.28E-10	3.09E-10	XCR1	1.06E+00
ENSBTAG000000004120	1.46E-10	1.35E-10	HEMK1	1.08E+00
ENSBTAG000000005306	6.71E-10	6.24E-10	TRH	1.07E+00

ENSBTAG00000034106	4.77E-10	4.43E-10		1.08E+00
ENSBTAG00000005617	4.08E-10	3.78E-10	SLC41A3	1.08E+00
ENSBTAG00000009453	4.53E-10	4.16E-10	URGCP	1.09E+00
ENSBTAG00000032304	1.33E-10	1.21E-10		1.10E+00
ENSBTAG00000019748	2.27E-10	2.08E-10	FAM208A	1.09E+00
ENSBTAG00000016760	1.51E-10	1.38E-10	LRRFIP2	1.10E+00
ENSBTAG00000011896	3.16E-10	2.86E-10	GRIP2	1.10E+00
ENSBTAG00000019772	2.72E-10	2.46E-10	OXTR	1.10E+00
ENSBTAG00000035286	3.58E-10	3.24E-10	CMC1	1.10E+00
ENSBTAG00000006330	1.32E-10	1.20E-10	RBM5	1.10E+00
ENSBTAG00000011333	1.67E-10	1.52E-10	CLASP2	1.10E+00
ENSBTAG00000002634	1.21E-10	1.09E-10	TMEM115	1.11E+00
ENSBTAG00000003025	2.55E-10	2.29E-10	NME6	1.11E+00
ENSBTAG00000030533	1.39E-09	1.25E-09		1.11E+00
ENSBTAG00000001668	4.13E-10	3.71E-10	WNT7A	1.11E+00
ENSBTAG00000019746	2.17E-10	1.95E-10	CCDC66	1.12E+00
ENSBTAG00000037726	3.96E-10	3.53E-10	PLCD1	1.12E+00
ENSBTAG00000011547	6.42E-10	5.73E-10	KBTBD12	1.12E+00
ENSBTAG00000035827	4.72E-10	4.21E-10	ATG7	1.12E+00
ENSBTAG00000006614	1.16E-10	1.03E-10	TMCC1	1.13E+00
ENSBTAG00000020481	2.26E-10	1.98E-10	GXYLT2	1.14E+00
ENSBTAG00000011595	8.49E-11	7.43E-11	IP6K1	1.14E+00
ENSBTAG00000010138	1.68E-10	1.46E-10	SEMA3B	1.15E+00
ENSBTAG00000018924	1.63E-10	1.42E-10	QRICH1	1.15E+00
ENSBTAG000000044167	2.38E-10	2.05E-10	TOPAZ1	1.16E+00
ENSBTAG00000021506	1.34E-10	1.15E-10	ARL6IP5	1.16E+00
ENSBTAG00000018248	6.87E-10	5.94E-10	MGLL	1.16E+00
ENSBTAG00000012142	1.89E-10	1.63E-10	RAD18	1.16E+00
ENSBTAG000000047794	1.02E-10	8.79E-11	DNAH1	1.16E+00
ENSBTAG00000008719	5.31E-10	4.57E-10	PRKCD	1.16E+00
ENSBTAG00000018600	3.58E-10	3.08E-10	VGLL4	1.16E+00
ENSBTAG00000011588	2.11E-10	1.82E-10	RNF123	1.16E+00
ENSBTAG00000005436	2.10E-10	1.81E-10	SHQ1	1.16E+00
ENSBTAG00000002471	3.68E-10	3.14E-10	CHL1	1.17E+00
ENSBTAG00000013015	2.50E-10	2.13E-10	CCDC13	1.17E+00
ENSBTAG00000011581	3.23E-10	2.75E-10	BSN	1.18E+00
ENSBTAG000000021442	1.38E-09	1.17E-09	CRTAP	1.18E+00
ENSBTAG00000001814	3.10E-10	2.62E-10	PLXND1	1.18E+00
ENSBTAG00000018910	1.47E-10	1.23E-10	WDR6	1.19E+00
ENSBTAG000000037377	1.35E-10	1.13E-10	ABHD14B	1.19E+00
ENSBTAG00000018913	1.53E-10	1.28E-10	DALRD3	1.20E+00
ENSBTAG00000020302	5.25E-11	4.41E-11	FEZF2	1.19E+00
ENSBTAG00000038084	2.60E-10	2.18E-10	NAT6	1.19E+00
ENSBTAG000000006155	5.19E-10	4.36E-10	CCRL2	1.19E+00
ENSBTAG00000000563	2.34E-10	1.96E-10	MyD88	1.19E+00
ENSBTAG00000010077	1.80E-10	1.51E-10	FANCD2	1.19E+00
ENSBTAG00000001447	6.69E-10	5.61E-10	HRH1	1.19E+00
ENSBTAG000000031065	1.30E-09	1.09E-09		1.20E+00
ENSBTAG00000031115	7.07E-10	5.91E-10		1.20E+00
ENSBTAG00000044062	3.58E-10	3.00E-10	RBMS3	1.19E+00
ENSBTAG00000016622	2.50E-10	2.08E-10	TCAIM	1.20E+00
ENSBTAG000000037803	1.45E-10	1.20E-10	ZNF197	1.21E+00
ENSBTAG00000037821	2.59E-10	2.14E-10		1.21E+00
ENSBTAG00000000161	8.07E-10	6.64E-10	TMEM40	1.22E+00
ENSBTAG000000003165	2.36E-10	1.94E-10	ADAMTS9	1.21E+00
ENSBTAG000000000480	2.07E-10	1.68E-10	IFRD2	1.23E+00
ENSBTAG00000033225	5.70E-10	4.65E-10	CNTN4	1.22E+00
ENSBTAG00000031567	2.62E-10	2.13E-10	SMARCC1	1.23E+00
ENSBTAG000000014779	1.33E-10	1.09E-10	NISCH	1.22E+00
ENSBTAG00000010029	2.23E-10	1.79E-10	ERC2	1.25E+00
ENSBTAG00000010193	4.34E-10	3.48E-10	RAB7A	1.25E+00
ENSBTAG000000007776	6.94E-11	5.56E-11	BRPF1	1.25E+00
ENSBTAG000000019121	6.55E-10	5.23E-10	IFT122	1.25E+00
ENSBTAG00000013047	6.40E-10	5.10E-10	GRM7	1.25E+00
ENSBTAG00000009489	2.39E-10	1.91E-10	CACNA2D2	1.25E+00
ENSBTAG00000005490	1.80E-10	1.44E-10	P4HTM	1.25E+00
ENSBTAG000000006567	2.57E-10	2.04E-10	VIPR1	1.26E+00
ENSBTAG00000019041	4.42E-10	3.50E-10	FAM19A1	1.26E+00
ENSBTAG00000013402	3.61E-10	2.85E-10	CTDSPL	1.27E+00
ENSBTAG00000004514	4.08E-10	3.22E-10		1.27E+00

ENSBTAG00000019841	1.38E-10	1.09E-10	KIF9	1.26E+00
ENSBTAG00000006573	3.20E-10	2.52E-10	KLHL18	1.27E+00
ENSBTAG00000000220	5.70E-10	4.48E-10		1.27E+00
ENSBTAG00000008567	3.12E-10	2.43E-10	DLEC1	1.28E+00
ENSBTAG00000014927	2.01E-10	1.56E-10	OXSR1	1.29E+00
ENSBTAG00000038381	1.98E-10	1.53E-10	SLC26A6	1.29E+00
ENSBTAG00000005488	2.03E-10	1.57E-10	ARIH2	1.30E+00
ENSBTAG00000009371	2.27E-10	1.75E-10	CCDC36	1.29E+00
ENSBTAG00000047658	1.15E-10	8.81E-11	PHF7	1.30E+00
ENSBTAG00000020998	4.41E-10	3.40E-10	RUVBL1	1.30E+00
ENSBTAG00000016069	1.80E-10	1.38E-10	ARF4	1.30E+00
ENSBTAG00000013212	3.31E-10	2.52E-10	COPG1	1.31E+00
ENSBTAG00000013723	4.77E-10	3.63E-10	MRPS25	1.31E+00
ENSBTAG00000003325	3.64E-10	2.76E-10	SNRK	1.32E+00
ENSBTAG00000019707	1.62E-10	1.22E-10	GATA2	1.33E+00
ENSBTAG00000005433	3.84E-10	2.91E-10	SSUH2	1.32E+00
ENSBTAG00000011344	5.25E-10	3.97E-10		1.32E+00
ENSBTAG00000000478	2.91E-10	2.20E-10	LSMEM2	1.32E+00
ENSBTAG00000030494	2.43E-10	1.83E-10		1.33E+00
ENSBTAG00000009159	1.98E-10	1.48E-10	PLXNA1	1.34E+00
ENSBTAG00000004279	1.61E-10	1.21E-10	RHOA	1.33E+00
ENSBTAG00000015529	8.31E-10	6.23E-10	CHCHD4	1.33E+00
ENSBTAG00000014162	3.51E-10	2.62E-10	ACKR2	1.34E+00
ENSBTAG00000011180	6.67E-10	4.93E-10	ACTR8	1.35E+00
ENSBTAG00000016563	6.85E-11	5.07E-11	GOLGA4	1.35E+00
ENSBTAG00000003592	3.44E-10	2.54E-10	CNTN6	1.35E+00
ENSBTAG00000022622	1.82E-10	1.33E-10	CISH	1.37E+00
ENSBTAG00000014205	1.88E-10	1.38E-10	PRKAR2A	1.36E+00
ENSBTAG00000016420	2.03E-10	1.48E-10	CTNNB1	1.37E+00
ENSBTAG00000010863	4.01E-10	2.91E-10	DCP1A	1.38E+00
ENSBTAG00000000484	1.12E-10	8.03E-11	HYAL2	1.39E+00
ENSBTAG00000007966	1.55E-10	1.12E-10		1.39E+00
ENSBTAG000000030962	6.45E-10	4.64E-10	EEFSEC	1.39E+00
ENSBTAG00000000387	2.71E-10	1.95E-10		1.39E+00
ENSBTAG00000016920	1.14E-10	8.20E-11	EOMES	1.39E+00
ENSBTAG00000013117	3.56E-10	2.56E-10	CACNA2D3	1.39E+00
ENSBTAG00000009155	5.04E-10	3.59E-10	SCN5A	1.40E+00
ENSBTAG00000020455	3.89E-10	2.78E-10	ITPR1	1.40E+00
ENSBTAG00000015254	4.72E-10	3.35E-10	GLB1	1.41E+00
ENSBTAG000000023954	4.79E-10	3.40E-10		1.41E+00
ENSBTAG00000026097	5.33E-10	3.77E-10	LIMD1	1.41E+00
ENSBTAG00000008313	4.07E-10	2.88E-10	KLF15	1.41E+00
ENSBTAG00000011628	4.43E-10	3.12E-10	EGFR	1.42E+00
ENSBTAG00000003845	2.25E-10	1.58E-10	CSRNP1	1.42E+00
ENSBTAG00000022699	3.97E-10	2.79E-10	CAV3	1.42E+00
ENSBTAG00000016758	2.21E-10	1.55E-10	MLH1	1.43E+00
ENSBTAG00000007398	2.88E-10	2.02E-10	MRPS24	1.43E+00
ENSBTAG00000018644	4.83E-10	3.35E-10	PDZRN3	1.44E+00
ENSBTAG00000021164	2.65E-10	1.83E-10	SLMAP	1.45E+00
ENSBTAG00000007315	4.80E-10	3.31E-10	LARS2	1.45E+00
ENSBTAG00000007969	2.12E-10	1.45E-10	CIDEC	1.46E+00
ENSBTAG00000003745	2.40E-10	1.63E-10	WDR48	1.47E+00
ENSBTAG00000004232	4.05E-10	2.75E-10	TMIE	1.47E+00
ENSBTAG00000009430	2.70E-10	1.83E-10	MYRIP	1.48E+00
ENSBTAG00000001710	8.07E-10	5.46E-10	CMTM8	1.48E+00
ENSBTAG00000020802	5.51E-10	3.72E-10		1.48E+00
ENSBTAG00000013407	6.61E-10	4.42E-10	PLXNB1	1.49E+00
ENSBTAG00000007624	2.13E-10	1.42E-10	FRMD4B	1.50E+00
ENSBTAG00000015698	5.31E-10	3.53E-10	FYCO1	1.51E+00
ENSBTAG000000037972	2.06E-10	1.37E-10	SLC25A26	1.50E+00
ENSBTAG00000008463	2.82E-10	1.86E-10	SLC22A14	1.52E+00
ENSBTAG00000006570	1.57E-10	1.02E-10	SEC22C	1.54E+00
ENSBTAG00000009874	4.08E-10	2.64E-10	ZXDC	1.55E+00
ENSBTAG00000014380	4.02E-10	2.56E-10	MCM2	1.57E+00
ENSBTAG00000021695	1.31E-10	8.24E-11	GLYCTK	1.59E+00
ENSBTAG00000003242	5.94E-10	3.75E-10	ACAD9	1.58E+00
ENSBTAG00000007961	1.70E-10	1.07E-10	TADA3	1.59E+00
ENSBTAG000000021390	1.85E-10	1.16E-10	TMEM89	1.59E+00
ENSBTAG00000007020	1.36E-10	8.55E-11	ZNF502	1.59E+00
ENSBTAG00000013027	8.76E-11	5.52E-11	CCK	1.59E+00

ENSBTAG00000018628	1.51E-10	9.49E-11	RPL29	1.59E+00
ENSBTAG00000008394	1.13E-10	7.13E-11	MYL3	1.59E+00
ENSBTAG000000047965	1.14E-10	7.20E-11		1.59E+00
ENSBTAG00000000483	1.25E-10	7.87E-11		1.59E+00
ENSBTAG00000012159	9.39E-11	5.91E-11	CNBP	1.59E+00
ENSBTAG000000032954	4.19E-10	2.64E-10		1.59E+00
ENSBTAG000000046634	2.02E-10	1.27E-10		1.59E+00
ENSBTAG00000000459	2.05E-10	1.29E-10	POMGNT2	1.59E+00
ENSBTAG00000021912	1.51E-10	9.47E-11	DUSP7	1.59E+00
ENSBTAG00000013586	1.47E-10	9.27E-11	CCR2	1.59E+00
ENSBTAG00000032279	3.27E-10	2.05E-10	IQCF2	1.59E+00
ENSBTAG00000006752	3.47E-10	2.18E-10	PFKFB4	1.59E+00
ENSBTAG00000014549	1.30E-10	8.18E-11	GNL3	1.59E+00
ENSBTAG00000000981	1.36E-10	8.58E-11	KLHDC8B	1.59E+00
ENSBTAG00000001812	5.60E-10	3.50E-10	H1FOO	1.60E+00
ENSBTAG00000015839	3.42E-10	2.13E-10	MAP4	1.60E+00
ENSBTAG00000006328	1.73E-10	1.08E-10	RBM6	1.60E+00
ENSBTAG00000009586	2.09E-10	1.29E-10	CDC25A	1.62E+00
ENSBTAG00000000265	3.18E-10	1.95E-10	SYNPR	1.63E+00
ENSBTAG00000031340	3.68E-10	2.25E-10	SLC6A20	1.64E+00
ENSBTAG000000046512	2.58E-10	1.57E-10	XIRP1	1.64E+00
ENSBTAG00000018433	1.44E-10	8.72E-11	DENND6A	1.65E+00
ENSBTAG00000024991	2.99E-10	1.80E-10	MKRN2OS	1.66E+00
ENSBTAG00000000191	1.61E-10	9.71E-11	SLC25A20	1.66E+00
ENSBTAG000000021452	3.11E-10	1.87E-10	TRANK1	1.66E+00
ENSBTAG00000018283	2.34E-10	1.41E-10	ACAA1	1.66E+00
ENSBTAG00000037980	8.36E-10	5.02E-10	TSEN2	1.66E+00
ENSBTAG00000017174	6.00E-10	3.59E-10	SCN11A	1.67E+00
ENSBTAG000000046924	1.69E-10	1.01E-10	SEMA3G	1.67E+00
ENSBTAG00000018238	3.35E-10	2.00E-10	ABTB1	1.68E+00
ENSBTAG00000005327	4.91E-10	2.93E-10	SUSD5	1.68E+00
ENSBTAG00000004685	2.38E-10	1.42E-10	SRGAP3	1.67E+00
ENSBTAG000000039310	1.92E-10	1.14E-10	SLC22A13	1.68E+00
ENSBTAG00000031454	3.63E-10	2.16E-10	PRSS42	1.68E+00
ENSBTAG00000023207	6.25E-10	3.72E-10	FAM3D	1.68E+00
ENSBTAG00000031837	2.89E-10	1.71E-10	IMPDH2	1.69E+00
ENSBTAG00000021853	2.38E-10	1.39E-10	IP6K2	1.71E+00
ENSBTAG00000045817	1.49E-10	8.64E-11	BAP1	1.72E+00
ENSBTAG00000010165	1.26E-10	7.33E-11	C3orf18	1.72E+00
ENSBTAG000000022751	7.59E-10	4.41E-10		1.72E+00
ENSBTAG00000020221	1.85E-10	1.07E-10	WNT5A	1.72E+00
ENSBTAG00000002774	2.92E-10	1.68E-10	PTPN23	1.74E+00
ENSBTAG00000033669	1.42E-10	8.04E-11	IL17RC	1.76E+00
ENSBTAG00000011287	2.09E-10	1.18E-10	ATXN7	1.77E+00
ENSBTAG00000003882	2.17E-10	1.22E-10	EMC3	1.78E+00
ENSBTAG00000048044	4.37E-10	2.44E-10	IQCF3	1.79E+00
ENSBTAG00000031519	1.81E-10	1.01E-10		1.79E+00
ENSBTAG00000007780	1.39E-10	7.80E-11	CAMK1	1.79E+00
ENSBTAG00000021846	2.19E-10	1.22E-10	CELSR3	1.80E+00
ENSBTAG00000008013	4.52E-10	2.49E-10	LRRC2	1.81E+00
ENSBTAG000000047509	5.94E-10	3.26E-10	KIAA1257	1.82E+00
ENSBTAG00000003952	5.01E-10	2.75E-10	FBXL2	1.82E+00
ENSBTAG00000016566	3.94E-10	2.14E-10	ITGA9	1.84E+00
ENSBTAG00000018601	1.18E-10	6.37E-11	LYZL4	1.85E+00
ENSBTAG00000016098	1.52E-10	8.20E-11	BRK1	1.85E+00
ENSBTAG00000007843	8.05E-11	4.34E-11	ITIH1	1.85E+00
ENSBTAG00000021724	3.18E-10	1.72E-10	PDHB	1.85E+00
ENSBTAG00000010833	1.75E-10	9.43E-11	IL17RE	1.85E+00
ENSBTAG00000007732	4.21E-10	2.26E-10	ARPP21	1.86E+00
ENSBTAG00000010027	3.05E-10	1.63E-10	CHDH	1.87E+00
ENSBTAG00000007438	2.88E-10	1.54E-10	STT3B	1.87E+00
ENSBTAG00000011081	1.56E-10	8.29E-11	KBTBD8	1.89E+00
ENSBTAG00000006679	2.33E-10	1.23E-10	MITF	1.89E+00
ENSBTAG00000017426	7.15E-10	3.78E-10	PDCD61P	1.89E+00
ENSBTAG00000011551	1.20E-10	6.36E-11	CPNE9	1.89E+00
ENSBTAG00000012902	3.00E-10	1.56E-10	ARL8B	1.92E+00
ENSBTAG00000022635	2.36E-10	1.23E-10	LAMB2	1.92E+00
ENSBTAG00000039194	1.14E-09	5.96E-10	C3orf22	1.91E+00
ENSBTAG00000014786	1.46E-10	7.40E-11	PBRM1	1.97E+00
ENSBTAG00000007362	8.24E-10	4.15E-10	XPC	1.98E+00

ENSBTAG00000005019	2.38E-10	1.20E-10	PRSS50	1.98E+00
ENSBTAG00000018057	2.13E-10	1.07E-10		1.99E+00
ENSBTAG00000002795	2.38E-10	1.19E-10	NKTR	2.00E+00
ENSBTAG00000016726	5.85E-10	2.92E-10	KIF15	2.00E+00
ENSBTAG00000011484	2.49E-10	1.24E-10		2.01E+00
ENSBTAG00000002948	2.41E-10	1.19E-10	SETD2	2.02E+00
ENSBTAG00000011580	4.93E-10	2.43E-10	DAG1	2.03E+00
ENSBTAG00000001471	1.89E-10	9.32E-11	POC1A	2.02E+00
ENSBTAG00000034883	3.82E-10	1.88E-10	CCR4	2.03E+00
ENSBTAG00000009765	1.95E-10	9.49E-11	MTMR14	2.05E+00
ENSBTAG00000001484	3.76E-10	1.83E-10	LZTFL1	2.05E+00
ENSBTAG00000012482	5.62E-10	2.72E-10	CDCP1	2.07E+00
ENSBTAG00000010999	3.73E-10	1.80E-10	IL17RD	2.07E+00
ENSBTAG00000017825	6.51E-10	3.14E-10	SEC13	2.07E+00
ENSBTAG00000002960	1.86E-10	8.96E-11		2.08E+00
ENSBTAG00000021850	2.76E-10	1.32E-10	NCKIPSD	2.09E+00
ENSBTAG00000003665	8.82E-10	4.19E-10	NUP210	2.10E+00
ENSBTAG00000013026	3.06E-10	1.45E-10	SNTN	2.11E+00
ENSBTAG00000018331	2.15E-10	1.01E-10	CLEC3B	2.13E+00
ENSBTAG00000001310	3.16E-10	1.47E-10	RHO	2.15E+00
ENSBTAG00000032253	2.07E-10	9.52E-11	RAD54L2	2.18E+00
ENSBTAG00000009757	2.26E-10	1.04E-10	RPSA	2.18E+00
ENSBTAG00000009194	6.34E-10	2.89E-10	OSBPL10	2.19E+00
ENSBTAG00000007360	4.75E-10	2.17E-10	TMEM43	2.19E+00
ENSBTAG00000009541	3.37E-10	1.51E-10	SUCLG2	2.23E+00
ENSBTAG00000006563	1.90E-10	8.45E-11	KLHL40	2.25E+00
ENSBTAG00000019330	3.03E-10	1.35E-10	PROK2	2.24E+00
ENSBTAG00000020373	6.11E-10	2.69E-10	C3orf67	2.27E+00
ENSBTAG00000008893	2.32E-10	1.02E-10	ANO10	2.27E+00
ENSBTAG00000022004	4.56E-10	2.01E-10	FLNB	2.27E+00
ENSBTAG00000012073	5.39E-10	2.36E-10	VOPP1	2.28E+00
ENSBTAG00000010360	3.12E-10	1.36E-10	LRIG1	2.29E+00
ENSBTAG00000002309	2.16E-10	9.33E-11	CSPG5	2.31E+00
ENSBTAG00000007846	3.47E-10	1.48E-10	ITIH3	2.35E+00
ENSBTAG00000018227	4.51E-10	1.90E-10	SLC4A7	2.37E+00
ENSBTAG00000007777	1.31E-10	5.52E-11	OGG1	2.38E+00
ENSBTAG00000001439	1.46E-10	6.14E-11	HESX1	2.38E+00
ENSBTAG00000015563	1.33E-10	5.56E-11	PDE12	2.38E+00
ENSBTAG00000015833	1.15E-10	4.84E-11	DHX30	2.38E+00
ENSBTAG000000032531	2.15E-10	9.00E-11		2.38E+00
ENSBTAG00000020645	2.44E-10	1.02E-10	GNAI2	2.39E+00
ENSBTAG00000023918	4.42E-10	1.85E-10		2.39E+00
ENSBTAG00000005191	9.00E-10	3.63E-10		2.48E+00
ENSBTAG00000018862	2.26E-10	8.97E-11	EIF4E3	2.52E+00
ENSBTAG00000003244	5.34E-10	2.11E-10		2.53E+00
ENSBTAG00000011795	6.86E-10	2.68E-10	TXNRD3	2.56E+00
ENSBTAG00000019526	5.21E-10	2.01E-10	CMTM6	2.59E+00
ENSBTAG00000019402	9.10E-10	3.48E-10	CFAP100	2.61E+00
ENSBTAG00000030915	6.05E-10	2.28E-10		2.65E+00
ENSBTAG00000015283	8.11E-10	3.02E-10		2.68E+00
ENSBTAG00000000273	7.07E-10	2.58E-10	IL5RA	2.74E+00
ENSBTAG00000018105	4.75E-10	1.73E-10	ACVR2B	2.74E+00
ENSBTAG00000039855	4.06E-10	1.47E-10	SUMF1	2.76E+00
ENSBTAG00000016948	1.34E-10	4.76E-11	PTH1R	2.82E+00
ENSBTAG00000014470	6.55E-10	2.27E-10	ALDH1L1	2.89E+00
ENSBTAG00000003997	3.61E-10	1.25E-10	UBE2D4	2.89E+00
ENSBTAG00000011702	1.04E-10	3.35E-11	ENTPD3	3.09E+00
ENSBTAG00000033422	1.58E-10	4.96E-11	HHATL	3.17E+00
ENSBTAG00000020973	7.42E-10	2.34E-10	RFT1	3.17E+00
ENSBTAG00000018020	2.62E-10	8.23E-11	GNAT1	3.18E+00
ENSBTAG00000024852	4.37E-10	1.37E-10		3.19E+00
ENSBTAG00000007968	2.06E-10	6.47E-11	RPUSD3	3.18E+00
ENSBTAG00000019081	2.33E-10	7.15E-11	COL7A1	3.25E+00
ENSBTAG00000019305	7.20E-10	2.15E-10	EXOGL	3.35E+00
ENSBTAG00000000670	1.77E-10	5.23E-11	RRP9	3.37E+00
ENSBTAG00000018294	2.71E-10	7.97E-11	DNASE1L3	3.39E+00
ENSBTAG00000012904	4.66E-10	1.36E-10	EDEM1	3.42E+00
ENSBTAG00000017365	1.89E-10	5.48E-11	ZBTB47	3.44E+00
ENSBTAG00000010581	4.13E-10	1.18E-10	MAGI1	3.50E+00
ENSBTAG00000003758	5.94E-10	1.58E-10	TKT	3.76E+00

ENSBTAG00000038616	3.12E-10	8.12E-11		3.83E+00
ENSBTAG00000034005	1.95E-10	4.91E-11	ZNF35	3.96E+00
ENSBTAG00000010836	1.32E-10	3.31E-11	PRRT3	3.97E+00
ENSBTAG00000020963	6.70E-11	1.69E-11	RASSF1	3.95E+00
ENSBTAG00000010832	1.46E-10	3.68E-11	JAGN1	3.97E+00
ENSBTAG00000039879	7.22E-10	1.81E-10		3.99E+00
ENSBTAG00000008774	2.63E-10	6.47E-11	UROC1	4.07E+00
ENSBTAG00000017812	3.86E-10	9.32E-11	ALS2CL	4.13E+00
ENSBTAG00000011345	4.04E-10	9.76E-11	SFMBT1	4.13E+00
ENSBTAG00000045748	4.76E-10	1.15E-10		4.14E+00
ENSBTAG00000014700	7.14E-10	1.71E-10	DYNC1LI1	4.18E+00
ENSBTAG00000000671	4.85E-10	1.14E-10	PARP3	4.26E+00
ENSBTAG00000004834	6.94E-10	1.61E-10	CNOT10	4.31E+00
ENSBTAG00000003968	2.71E-10	6.30E-11	UBP1	4.30E+00
ENSBTAG00000002962	1.69E-10	3.87E-11		4.36E+00
ENSBTAG00000015273	5.01E-10	1.11E-10	CAND2	4.51E+00
ENSBTAG00000007850	3.83E-10	8.26E-11	ITIH4	4.64E+00
ENSBTAG00000031355	4.38E-10	9.43E-11		4.64E+00
ENSBTAG00000001176	2.29E-10	4.80E-11	LRRN1	4.76E+00
ENSBTAG00000031594	9.08E-10	1.89E-10		4.80E+00
ENSBTAG00000009826	6.63E-10	1.38E-10	GPD1L	4.80E+00
ENSBTAG00000012963	1.03E-09	2.12E-10	VILL	4.83E+00
ENSBTAG00000022689	1.93E-10	3.95E-11		4.88E+00
ENSBTAG00000018935	6.08E-10	1.24E-10		4.90E+00
ENSBTAG00000009774	3.06E-10	5.82E-11		5.25E+00
ENSBTAG00000022744	5.84E-10	1.09E-10	TRIM71	5.35E+00
ENSBTAG00000012328	4.96E-10	9.23E-11	GHRL	5.37E+00
ENSBTAG00000018329	3.16E-10	5.73E-11	EXOSC7	5.51E+00
ENSBTAG00000011311	4.43E-10	7.66E-11	CCDC12	5.78E+00
ENSBTAG00000011278	7.35E-10	1.13E-10	XYLB	6.50E+00
ENSBTAG00000003022	3.77E-10	5.26E-11		7.15E+00
ENSBTAG00000002038	2.16E-10	3.02E-11	RPL14	7.14E+00
ENSBTAG00000015493	5.92E-10	8.06E-11		7.33E+00
ENSBTAG00000031599	7.55E-10	9.45E-11		7.98E+00
ENSBTAG00000046911	3.57E-10	4.31E-11	SCN10A	8.27E+00
ENSBTAG00000015782	3.00E-10	3.51E-11	SCAP	8.53E+00
ENSBTAG00000009760	1.95E-10	1.80E-11		1.08E+01
ENSBTAG00000022721	4.00E-10	3.44E-11	SLC25A38	1.16E+01
ENSBTAG00000011478	4.23E-10	3.37E-11	ELP6	1.25E+01
ENSBTAG00000019428	5.85E-10	3.41E-11		1.71E+01
ENSBTAG00000020077	1.02E-09	5.33E-11		1.92E+01
ENSBTAG00000021119	7.83E-10	2.23E-11		3.49E+01
ENSBTAG00000019106	1.66E-10	0	EIF1B	1.66E+03
ENSBTAG00000046330	0	0		1.00E+00
ENSBTAG00000008534	2.30E-10	0		2.30E+03
ENSBTAG00000000805	2.74E-10	0	IQCF1	2.74E+03
ENSBTAG00000037410	2.05E-11	0		2.06E+02
ENSBTAG00000012322	4.66E-11	0	FAM212A	4.67E+02
ENSBTAG00000018918	0	0	NDUFAF3	1.00E+00
ENSBTAG00000016153	5.68E-10	0		5.68E+03
ENSBTAG00000020076	3.78E-10	0		3.78E+03
ENSBTAG00000017173	1.85E-10	0		1.85E+03
ENSBTAG00000025595	0	0		1.00E+00
ENSBTAG00000034496	0	0	SHFM1	1.00E+00
ENSBTAG00000047851	0	0		1.00E+00
ENSBTAG00000011633	2.46E-10	0	CHCHD5	2.46E+03
ENSBTAG00000045942	0	0	IQCF6	1.00E+00
ENSBTAG00000045547	5.33E-11	0	AMIGO3	5.34E+02
ENSBTAG00000001338	7.60E-11	0	CCR3	7.61E+02
ENSBTAG00000026650	1.27E-09	0		1.27E+04
ENSBTAG00000014666	0	0	GP9	1.00E+00
ENSBTAG00000040116	0	0	H1FX	1.00E+00
ENSBTAG00000030941	0	0		1.00E+00
ENSBTAG00000018884	0	9.98E-11	RING1	1.00E-03
ENSBTAG00000002643	8.38E-11	8.73E-10	VPS52	9.61E-02
ENSBTAG00000038128	2.91E-10	1.62E-09		1.79E-01
ENSBTAG00000003352	2.35E-10	1.29E-09		1.82E-01
ENSBTAG00000046556	5.17E-11	1.96E-10	SOX4	2.64E-01
ENSBTAG00000008191	3.64E-11	1.38E-10	SLC39A7	2.65E-01
ENSBTAG00000038783	4.59E-11	1.74E-10		2.64E-01

ENSBTAG00000021077	4.62E-10	1.18E-09		3.91E-01
ENSBTAG00000021381	1.79E-10	3.47E-10	DAAM2	5.17E-01
ENSBTAG00000020559	2.44E-10	4.30E-10	STMND1	5.68E-01
ENSBTAG00000031249	4.57E-10	7.92E-10	PSMG4	5.77E-01
ENSBTAG00000032247	5.01E-10	8.66E-10	PPP1R11	5.79E-01
ENSBTAG00000026163	3.39E-10	5.70E-10		5.94E-01
ENSBTAG00000019913	1.03E-10	1.74E-10	DNPH1	5.94E-01
ENSBTAG00000047009	2.01E-10	2.98E-10	ANKRD66	6.75E-01
ENSBTAG00000017533	3.87E-10	5.71E-10	LRRC1	6.78E-01
ENSBTAG00000018879	1.65E-10	2.36E-10	ZNF451	7.01E-01
ENSBTAG00000006170	2.82E-10	3.98E-10	ZNF76	7.09E-01
ENSBTAG00000047516	6.12E-10	8.49E-10		7.21E-01
ENSBTAG00000012652	4.89E-10	6.71E-10	TINAG	7.28E-01
ENSBTAG00000040187	9.66E-10	1.31E-09		7.38E-01
ENSBTAG00000036106	4.27E-10	5.76E-10		7.42E-01
ENSBTAG00000020425	5.55E-10	7.43E-10	TFAP2D	7.47E-01
ENSBTAG00000002934	1.67E-10	2.18E-10	ADGRF4	7.64E-01
ENSBTAG00000001475	4.38E-10	5.69E-10	MCUR1	7.70E-01
ENSBTAG00000021556	4.84E-10	6.23E-10	RANBP9	7.78E-01
ENSBTAG00000025314	6.05E-10	7.73E-10		7.83E-01
ENSBTAG00000010256	5.16E-10	6.58E-10	TMEM170B	7.84E-01
ENSBTAG00000013711	1.25E-10	1.58E-10		7.94E-01
ENSBTAG00000006485	1.11E-10	1.40E-10	TREML1	7.96E-01
ENSBTAG00000024180	1.69E-09	2.13E-09	HIST1H2AD	7.94E-01
ENSBTAG000000046711	1.50E-10	1.89E-10	DEFB112	7.93E-01
ENSBTAG00000046057	1.58E-10	2.00E-10	PPP1R3G	7.92E-01
ENSBTAG00000024178	2.10E-10	2.64E-10		7.94E-01
ENSBTAG00000007140	4.19E-10	5.28E-10		7.94E-01
ENSBTAG00000039492	4.18E-10	5.27E-10		7.93E-01
ENSBTAG00000002534	2.07E-10	2.61E-10		7.95E-01
ENSBTAG00000010723	2.61E-10	3.29E-10	PFDN6	7.93E-01
ENSBTAG00000017227	6.14E-10	7.73E-10		7.94E-01
ENSBTAG000000008517	5.96E-10	7.51E-10		7.94E-01
ENSBTAG00000047812	5.59E-11	7.04E-11		7.94E-01
ENSBTAG00000020927	7.74E-11	9.75E-11	HSD17B8	7.94E-01
ENSBTAG00000024177	5.08E-10	6.39E-10		7.94E-01
ENSBTAG00000045923	8.90E-10	1.12E-09		7.95E-01
ENSBTAG00000015130	8.23E-11	1.04E-10	HDGFL1	7.92E-01
ENSBTAG00000037687	4.58E-10	5.77E-10	ADGRF2	7.94E-01
ENSBTAG00000000602	1.10E-10	1.38E-10	RXR8	7.96E-01
ENSBTAG00000019672	1.66E-10	2.09E-10		7.96E-01
ENSBTAG00000008085	6.55E-10	8.18E-10	CRISP1	8.00E-01
ENSBTAG00000006015	1.06E-09	1.31E-09	POLH	8.10E-01
ENSBTAG00000021359	4.02E-10	4.95E-10		8.11E-01
ENSBTAG00000016302	3.20E-10	3.94E-10	SLC25A27	8.13E-01
ENSBTAG00000025304	5.25E-10	6.42E-10		8.17E-01
ENSBTAG00000007275	5.51E-10	6.71E-10	TREM2	8.21E-01
ENSBTAG000000004115	3.74E-10	4.56E-10	MYLIP	8.19E-01
ENSBTAG00000031444	4.84E-10	5.89E-10	LY86	8.21E-01
ENSBTAG00000017949	4.89E-10	5.93E-10		8.24E-01
ENSBTAG00000047707	4.28E-10	5.16E-10	HLA-DOB	8.29E-01
ENSBTAG00000015565	8.90E-10	1.07E-09		8.31E-01
ENSBTAG00000031430	6.97E-10	8.42E-10	CD83	8.28E-01
ENSBTAG00000005248	3.40E-10	4.06E-10	OFCC1	8.38E-01
ENSBTAG000000017617	3.03E-10	3.57E-10	C6orf222	8.48E-01
ENSBTAG00000025280	6.46E-10	7.62E-10	SERPIN6	8.48E-01
ENSBTAG00000004979	4.06E-10	4.71E-10	MRS2	8.62E-01
ENSBTAG00000040457	1.07E-09	1.24E-09		8.66E-01
ENSBTAG00000012451	7.34E-10	8.49E-10		8.65E-01
ENSBTAG00000009549	4.34E-10	5.00E-10	RSPH9	8.69E-01
ENSBTAG00000014272	4.93E-10	5.67E-10	MUT	8.70E-01
ENSBTAG00000017483	6.23E-10	7.14E-10		8.72E-01
ENSBTAG00000001443	1.25E-10	1.43E-10		8.72E-01
ENSBTAG00000015707	4.92E-10	5.55E-10	TREML2	8.86E-01
ENSBTAG00000027547	1.29E-09	1.45E-09		8.92E-01
ENSBTAG00000031640	6.48E-10	7.27E-10		8.91E-01
ENSBTAG00000019217	3.83E-10	4.31E-10	KIF13A	8.89E-01
ENSBTAG00000025571	4.64E-10	5.20E-10	MRPS18A	8.91E-01
ENSBTAG00000038928	1.28E-09	1.44E-09		8.92E-01
ENSBTAG00000015301	3.20E-10	3.58E-10	MRPS10	8.94E-01

ENSBTAG00000015176	1.64E-10	1.84E-10		8.92E-01
ENSBTAG00000037381	1.77E-09	1.95E-09	TRIM40	9.06E-01
ENSBTAG00000005888	5.59E-10	6.12E-10	MDGA1	9.13E-01
ENSBTAG00000025617	2.34E-10	2.56E-10		9.16E-01
ENSBTAG00000015829	3.95E-10	4.31E-10	ENPP5	9.16E-01
ENSBTAG00000012755	1.28E-10	1.39E-10	KLC4	9.22E-01
ENSBTAG00000016828	4.25E-10	4.60E-10	TAPBP	9.23E-01
ENSBTAG00000019386	1.20E-09	1.30E-09	BOLA-NC1	9.21E-01
ENSBTAG00000008321	2.79E-10	3.01E-10	RNF8	9.26E-01
ENSBTAG000000047485	6.12E-10	6.60E-10		9.27E-01
ENSBTAG00000015175	5.98E-10	6.45E-10		9.27E-01
ENSBTAG00000039562	1.80E-09	1.94E-09	OR12D3	9.30E-01
ENSBTAG00000027197	6.98E-10	7.48E-10		9.33E-01
ENSBTAG00000009157	8.58E-10	9.16E-10	SLC35B3	9.36E-01
ENSBTAG00000025398	2.19E-09	2.33E-09		9.41E-01
ENSBTAG00000015550	2.83E-10	3.01E-10	MLN	9.39E-01
ENSBTAG00000009798	5.80E-10	6.14E-10	DCDC2	9.45E-01
ENSBTAG00000011112	7.43E-10	7.82E-10	KCNK5	9.51E-01
ENSBTAG00000006357	1.73E-10	1.82E-10	CRIP3	9.50E-01
ENSBTAG00000045888	2.96E-10	3.10E-10		9.54E-01
ENSBTAG00000026896	1.28E-10	1.34E-10	FOXF2	9.55E-01
ENSBTAG00000016058	5.88E-10	6.15E-10	FAM83B	9.55E-01
ENSBTAG00000046193	1.01E-09	1.06E-09		9.55E-01
ENSBTAG000000047561	3.80E-10	3.94E-10		9.64E-01
ENSBTAG00000016827	2.56E-10	2.63E-10	RGL2	9.72E-01
ENSBTAG00000020783	2.66E-10	2.74E-10	MAPK14	9.73E-01
ENSBTAG00000019588	2.35E-09	2.42E-09		9.71E-01
ENSBTAG00000005974	3.17E-10	3.26E-10	APOBEC2	9.74E-01
ENSBTAG00000018970	3.26E-10	3.36E-10	XPO5	9.71E-01
ENSBTAG000000031753	1.04E-09	1.06E-09		9.78E-01
ENSBTAG00000010943	3.85E-10	3.92E-10		9.82E-01
ENSBTAG00000004982	8.83E-10	8.91E-10	GPLD1	9.91E-01
ENSBTAG00000016829	2.15E-10	2.17E-10	ZBTB22	9.92E-01
ENSBTAG00000000940	1.56E-10	1.57E-10	TBCC	9.95E-01
ENSBTAG00000024187	1.05E-09	1.06E-09		9.92E-01
ENSBTAG00000038888	1.45E-10	1.46E-10	ZBTB9	9.93E-01
ENSBTAG00000007530	1.49E-09	1.49E-09	TRIM10	9.98E-01
ENSBTAG000000037605	2.81E-09	2.82E-09		9.96E-01
ENSBTAG00000009873	2.56E-10	2.56E-10	NRN1	1.00E+00
ENSBTAG000000002919	4.01E-10	3.98E-10	UNC5CL	1.01E+00
ENSBTAG00000020595	2.05E-10	2.04E-10	KCTD20	1.00E+00
ENSBTAG00000012039	6.45E-10	6.37E-10	PHACTR1	1.01E+00
ENSBTAG00000007075	2.04E-09	2.02E-09		1.01E+00
ENSBTAG00000040026	1.70E-09	1.68E-09		1.01E+00
ENSBTAG00000047671	3.86E-10	3.81E-10	PRP2	1.01E+00
ENSBTAG00000038444	1.58E-09	1.56E-09		1.01E+00
ENSBTAG00000011126	1.71E-10	1.68E-10	STK38	1.02E+00
ENSBTAG00000045551	2.83E-10	2.77E-10		1.02E+00
ENSBTAG00000019234	3.21E-10	3.15E-10	BMP6	1.02E+00
ENSBTAG00000037597	1.58E-09	1.55E-09		1.02E+00
ENSBTAG00000048304	2.26E-09	2.20E-09		1.03E+00
ENSBTAG00000005362	2.06E-10	2.00E-10	RAB23	1.03E+00
ENSBTAG00000024549	9.94E-11	9.63E-11	SNRPC	1.03E+00
ENSBTAG00000021902	1.06E-09	1.03E-09	ALDH5A1	1.03E+00
ENSBTAG00000011719	5.01E-10	4.82E-10	HCRTR2	1.04E+00
ENSBTAG00000006016	2.11E-10	2.03E-10	GTPBP2	1.04E+00
ENSBTAG00000003632	3.36E-10	3.22E-10	CYP39A1	1.04E+00
ENSBTAG00000026919	5.01E-10	4.79E-10	PXDC1	1.05E+00
ENSBTAG00000022731	3.58E-10	3.42E-10	SSR1	1.05E+00
ENSBTAG00000016891	3.33E-10	3.17E-10	TCP11	1.05E+00
ENSBTAG00000046886	3.15E-10	2.98E-10	TUBB2A	1.06E+00
ENSBTAG00000003499	2.64E-10	2.49E-10	ENPP4	1.06E+00
ENSBTAG000000031889	8.66E-10	8.17E-10		1.06E+00
ENSBTAG00000016890	3.14E-10	2.95E-10	ANKS1A	1.06E+00
ENSBTAG00000034493	2.22E-10	2.08E-10	C6orf106	1.07E+00
ENSBTAG00000033513	3.26E-10	3.06E-10		1.07E+00
ENSBTAG00000002086	1.98E-10	1.86E-10	PRPF4B	1.07E+00
ENSBTAG00000000786	1.43E-10	1.33E-10	NQO2	1.08E+00
ENSBTAG00000002497	3.02E-10	2.81E-10	ELOVL2	1.08E+00
ENSBTAG00000046023	2.06E-09	1.91E-09		1.08E+00



ENSBTAG00000033453	4.11E-10	3.80E-10		1.08E+00
ENSBTAG00000007268	7.99E-10	7.38E-10	F13A1	1.08E+00
ENSBTAG00000006287	3.36E-10	3.10E-10	NEDD9	1.08E+00
ENSBTAG00000005182	1.67E-09	1.54E-09	BoLA	1.08E+00
ENSBTAG00000002581	6.78E-10	6.24E-10		1.09E+00
ENSBTAG00000013654	1.29E-09	1.19E-09	OR14J1	1.08E+00
ENSBTAG00000012439	8.69E-10	7.96E-10	GUCA1B	1.09E+00
ENSBTAG00000032887	1.61E-10	1.48E-10		1.09E+00
ENSBTAG00000011975	1.72E-10	1.57E-10		1.09E+00
ENSBTAG00000033515	5.20E-10	4.74E-10		1.10E+00
ENSBTAG00000012973	8.04E-10	7.32E-10	GFRAL	1.10E+00
ENSBTAG00000014063	5.45E-10	4.95E-10	DNAH8	1.10E+00
ENSBTAG00000031835	1.56E-09	1.42E-09		1.10E+00
ENSBTAG00000034529	2.02E-10	1.83E-10	HMGA1	1.10E+00
ENSBTAG00000005885	1.60E-09	1.45E-09		1.10E+00
ENSBTAG00000031778	5.86E-10	5.27E-10	HIST1H2BD	1.11E+00
ENSBTAG00000010730	5.66E-10	5.09E-10		1.11E+00
ENSBTAG00000039901	6.24E-10	5.60E-10		1.11E+00
ENSBTAG00000024176	1.19E-09	1.06E-09		1.12E+00
ENSBTAG00000009978	2.02E-10	1.81E-10	TDRD6	1.11E+00
ENSBTAG00000021111	8.25E-10	7.37E-10		1.12E+00
ENSBTAG00000001123	3.15E-10	2.82E-10	SNRNP48	1.12E+00
ENSBTAG00000011189	1.53E-10	1.37E-10	TJAP1	1.12E+00
ENSBTAG00000015106	6.41E-10	5.72E-10	DSP	1.12E+00
ENSBTAG00000021721	1.58E-09	1.41E-09	CDSN	1.12E+00
ENSBTAG00000023563	2.14E-09	1.91E-09		1.12E+00
ENSBTAG00000007532	1.91E-09	1.70E-09	TRIM15	1.13E+00
ENSBTAG00000002092	3.50E-10	3.11E-10	PI16	1.13E+00
ENSBTAG00000012208	9.23E-10	8.19E-10		1.13E+00
ENSBTAG00000009267	2.14E-10	1.89E-10	UHRF1BP1	1.13E+00
ENSBTAG00000009055	3.86E-10	3.42E-10	RNF144B	1.13E+00
ENSBTAG00000037577	1.49E-09	1.32E-09		1.13E+00
ENSBTAG00000008959	2.04E-09	1.80E-09		1.14E+00
ENSBTAG00000018674	2.82E-10	2.49E-10	PAK1IP1	1.13E+00
ENSBTAG00000018787	1.34E-10	1.19E-10	GCM2	1.13E+00
ENSBTAG00000003250	8.81E-10	7.76E-10	OR2H2	1.14E+00
ENSBTAG00000018969	1.19E-10	1.05E-10	POLR1C	1.14E+00
ENSBTAG00000003037	6.83E-10	5.99E-10		1.14E+00
ENSBTAG00000031874	1.10E-09	9.64E-10	ZNF165	1.15E+00
ENSBTAG00000025317	2.40E-10	2.10E-10		1.14E+00
ENSBTAG00000021415	5.75E-10	5.02E-10	PTCHD4	1.15E+00
ENSBTAG00000016887	2.79E-10	2.43E-10	TAF11	1.15E+00
ENSBTAG00000025531	1.50E-09	1.30E-09	PSORS1C2	1.15E+00
ENSBTAG00000038472	1.08E-09	9.38E-10	OR5V1	1.15E+00
ENSBTAG00000011300	5.19E-10	4.50E-10	RHAG	1.15E+00
ENSBTAG00000002376	1.53E-10	1.32E-10	PPIL1	1.16E+00
ENSBTAG00000003892	6.41E-10	5.53E-10		1.16E+00
ENSBTAG00000007937	4.70E-10	4.06E-10	PRIM2	1.16E+00
ENSBTAG00000004345	6.83E-10	5.88E-10	MEP1A	1.16E+00
ENSBTAG00000039326	4.52E-10	3.89E-10	GCNT2	1.16E+00
ENSBTAG00000039695	7.37E-10	6.34E-10	PPP1R18	1.16E+00
ENSBTAG00000014587	4.72E-10	4.05E-10	CAGE1	1.17E+00
ENSBTAG00000032680	4.27E-10	3.64E-10	TMEM63B	1.17E+00
ENSBTAG00000015598	3.99E-10	3.39E-10		1.18E+00
ENSBTAG00000012069	2.11E-10	1.79E-10		1.18E+00
ENSBTAG00000027246	1.32E-09	1.12E-09	UBD	1.18E+00
ENSBTAG00000012079	3.06E-10	2.59E-10	MYLK4	1.18E+00
ENSBTAG00000035744	1.79E-09	1.52E-09	TRIM26	1.18E+00
ENSBTAG00000012870	5.43E-10	4.57E-10	BMP5	1.19E+00
ENSBTAG00000013705	1.00E-10	8.41E-11	NFKBIE	1.19E+00
ENSBTAG00000006761	4.41E-10	3.70E-10		1.19E+00
ENSBTAG00000024186	6.01E-10	5.04E-10		1.19E+00
ENSBTAG00000000214	5.17E-10	4.34E-10		1.19E+00
ENSBTAG00000008349	8.05E-10	6.74E-10	ZNF311	1.19E+00
ENSBTAG00000010197	7.09E-10	5.95E-10	TSPO2	1.19E+00
ENSBTAG00000024179	7.93E-10	6.64E-10		1.19E+00
ENSBTAG00000001635	1.77E-10	1.49E-10	CUTA	1.19E+00
ENSBTAG00000009548	1.79E-10	1.50E-10	MAD2L1BP	1.19E+00
ENSBTAG00000034582	1.97E-09	1.64E-09		1.20E+00
ENSBTAG00000047644	2.07E-09	1.73E-09		1.20E+00

ENSBTAG00000014581	6.72E-10	5.60E-10	MLIP	1.20E+00
ENSBTAG00000016924	3.46E-10	2.87E-10	CAP2	1.21E+00
ENSBTAG00000017128	3.31E-10	2.74E-10	NUP153	1.21E+00
ENSBTAG00000031792	1.28E-09	1.06E-09	ZNRD1	1.21E+00
ENSBTAG00000018072	5.03E-10	4.15E-10	FARS2	1.21E+00
ENSBTAG00000000527	4.33E-10	3.56E-10	ZFAND3	1.22E+00
ENSBTAG00000031871	5.91E-10	4.86E-10	NKAPL	1.22E+00
ENSBTAG00000016519	6.86E-10	5.62E-10	MBOAT1	1.22E+00
ENSBTAG00000009905	2.15E-10	1.76E-10	NFYA	1.22E+00
ENSBTAG00000010101	3.00E-10	2.44E-10	BYSL	1.23E+00
ENSBTAG00000012865	2.20E-10	1.79E-10	DEK	1.23E+00
ENSBTAG00000013722	1.84E-10	1.50E-10	AARS2	1.22E+00
ENSBTAG00000032642	1.39E-09	1.13E-09		1.23E+00
ENSBTAG00000015900	1.70E-10	1.39E-10	CNPY3	1.23E+00
ENSBTAG00000038810	1.41E-09	1.14E-09	SFTA2	1.24E+00
ENSBTAG00000010877	2.04E-10	1.64E-10	ARMC12	1.24E+00
ENSBTAG00000021237	7.34E-10	5.90E-10	DST	1.24E+00
ENSBTAG00000010007	2.15E-10	1.72E-10	MAPK13	1.25E+00
ENSBTAG00000015321	3.28E-10	2.63E-10	TRERF1	1.25E+00
ENSBTAG00000021609	7.01E-10	5.59E-10	ADGRF1	1.25E+00
ENSBTAG00000004490	1.08E-09	8.58E-10	TRIM31	1.25E+00
ENSBTAG00000017329	1.38E-09	1.10E-09	GMNN	1.25E+00
ENSBTAG00000021993	2.18E-10	1.73E-10	SPDEF	1.26E+00
ENSBTAG00000001476	1.57E-09	1.24E-09		1.26E+00
ENSBTAG00000016397	5.93E-10	4.68E-10	CDYL	1.27E+00
ENSBTAG00000020710	8.14E-10	6.40E-10	CENPQ	1.27E+00
ENSBTAG00000005971	2.32E-10	1.82E-10	PRPH2	1.27E+00
ENSBTAG00000017542	2.56E-10	2.02E-10	PPARD	1.27E+00
ENSBTAG00000019300	3.32E-10	2.60E-10	TPMT	1.28E+00
ENSBTAG00000038908	1.41E-09	1.11E-09		1.27E+00
ENSBTAG00000033993	3.99E-10	3.13E-10	PRP14	1.28E+00
ENSBTAG00000014434	1.28E-09	1.00E-09	CCHCR1	1.28E+00
ENSBTAG00000009656	1.00E-09	7.86E-10		1.28E+00
ENSBTAG00000014492	1.16E-09	9.11E-10	NFKBIL1	1.28E+00
ENSBTAG00000017160	2.53E-10	1.97E-10	TBC1D7	1.28E+00
ENSBTAG00000003575	8.23E-10	6.43E-10	ZKSCAN4	1.28E+00
ENSBTAG00000013919	1.65E-09	1.28E-09		1.29E+00
ENSBTAG00000010166	1.74E-09	1.36E-09		1.28E+00
ENSBTAG00000039657	7.85E-10	6.10E-10	HIST1H2AC	1.29E+00
ENSBTAG00000015274	4.96E-10	3.84E-10	PRL	1.29E+00
ENSBTAG00000017239	9.93E-10	7.68E-10	GABBR1	1.29E+00
ENSBTAG00000001634	1.99E-10	1.55E-10	PHF1	1.29E+00
ENSBTAG00000048194	3.09E-09	2.38E-09		1.30E+00
ENSBTAG00000005850	3.47E-10	2.67E-10	DLK2	1.30E+00
ENSBTAG00000025718	4.74E-10	3.65E-10	HMGCLL1	1.30E+00
ENSBTAG00000027245	2.32E-09	1.78E-09	OR2H1	1.30E+00
ENSBTAG00000047763	1.61E-09	1.23E-09		1.31E+00
ENSBTAG00000006933	5.63E-10	4.30E-10	PPP1R10	1.31E+00
ENSBTAG00000017818	1.13E-09	8.60E-10	MOG	1.31E+00
ENSBTAG00000040006	1.91E-10	1.44E-10	SRSF3	1.32E+00
ENSBTAG00000001631	1.93E-10	1.46E-10	KIFC1	1.32E+00
ENSBTAG00000040454	1.33E-09	9.99E-10		1.33E+00
ENSBTAG00000047502	1.36E-10	1.02E-10	FKBP5	1.33E+00
ENSBTAG00000012761	2.80E-10	2.10E-10	PTK7	1.33E+00
ENSBTAG00000037738	7.86E-10	5.89E-10	SLC17A4	1.33E+00
ENSBTAG00000013821	7.01E-10	5.25E-10	RIOK1	1.34E+00
ENSBTAG00000014490	1.00E-09	7.50E-10	DDX39B	1.34E+00
ENSBTAG00000005674	1.08E-09	8.12E-10	NEU1	1.34E+00
ENSBTAG00000001250	1.82E-10	1.34E-10	TFAP2A	1.36E+00
ENSBTAG00000040171	1.51E-09	1.11E-09		1.36E+00
ENSBTAG00000011074	2.75E-10	2.02E-10	BRD2	1.36E+00
ENSBTAG00000003818	5.94E-10	4.36E-10	PGC	1.36E+00
ENSBTAG00000033603	4.17E-10	3.06E-10	IP6K3	1.36E+00
ENSBTAG00000005339	2.10E-10	1.54E-10	VEGFA	1.36E+00
ENSBTAG00000000228	1.05E-09	7.66E-10		1.37E+00
ENSBTAG00000015827	4.56E-10	3.34E-10		1.36E+00
ENSBTAG00000011339	2.58E-10	1.89E-10	TAF8	1.37E+00
ENSBTAG00000018224	3.11E-10	2.26E-10	GLP1R	1.38E+00
ENSBTAG00000006379	2.86E-10	2.08E-10	BPHL	1.38E+00
ENSBTAG00000014608	1.93E-10	1.39E-10	KDM1B	1.39E+00

ENSBTAG00000031747	7.54E-10	5.45E-10		1.38E+00
ENSBTAG00000008228	6.98E-10	5.04E-10	BEND6	1.38E+00
ENSBTAG00000005980	2.65E-10	1.91E-10	RREB1	1.39E+00
ENSBTAG00000038397	2.15E-09	1.54E-09		1.40E+00
ENSBTAG00000018967	1.34E-10	9.67E-11	YIPF3	1.39E+00
ENSBTAG00000015396	2.41E-10	1.72E-10	RBM24	1.40E+00
ENSBTAG00000016124	4.11E-10	2.94E-10	PACIN1	1.40E+00
ENSBTAG00000009302	5.64E-10	4.01E-10	RCAN2	1.41E+00
ENSBTAG00000003359	1.21E-09	8.66E-10	ELOVL5	1.40E+00
ENSBTAG00000004347	6.09E-10	4.32E-10	ADGRF5	1.41E+00
ENSBTAG00000019908	1.46E-10	1.04E-10	CUL9	1.41E+00
ENSBTAG00000040280	1.29E-09	9.06E-10		1.42E+00
ENSBTAG00000025302	8.56E-10	6.05E-10		1.41E+00
ENSBTAG00000021066	2.68E-10	1.88E-10	CAPN11	1.42E+00
ENSBTAG00000005355	2.78E-10	1.95E-10	BAG2	1.42E+00
ENSBTAG00000006350	1.14E-10	7.94E-11	SLC22A7	1.43E+00
ENSBTAG00000004288	1.32E-09	9.21E-10	GSTA4	1.43E+00
ENSBTAG00000005146	1.01E-09	7.04E-10		1.43E+00
ENSBTAG00000048019	2.66E-09	1.86E-09		1.43E+00
ENSBTAG00000019492	3.24E-10	2.26E-10	FANCE	1.43E+00
ENSBTAG00000015730	2.73E-10	1.91E-10	HLA-DMA	1.43E+00
ENSBTAG00000039513	3.39E-10	2.37E-10		1.43E+00
ENSBTAG00000031832	7.90E-10	5.51E-10		1.43E+00
ENSBTAG00000031873	9.35E-10	6.50E-10	ZSCAN16	1.44E+00
ENSBTAG00000024188	1.97E-09	1.37E-09		1.44E+00
ENSBTAG00000031905	1.71E-09	1.19E-09		1.44E+00
ENSBTAG00000017836	1.04E-09	7.24E-10	ZFP57	1.44E+00
ENSBTAG00000031432	8.15E-10	5.66E-10	LYRM4	1.44E+00
ENSBTAG00000005808	2.45E-10	1.70E-10		1.44E+00
ENSBTAG00000011237	8.71E-10	6.03E-10	PKHD1	1.44E+00
ENSBTAG00000031267	1.82E-10	1.26E-10	SERPINB9	1.45E+00
ENSBTAG00000016838	3.48E-10	2.40E-10	SRPK1	1.45E+00
ENSBTAG00000000016	1.06E-09	7.29E-10	LTA	1.45E+00
ENSBTAG00000006864	1.53E-09	1.05E-09		1.45E+00
ENSBTAG00000014172	7.28E-10	5.00E-10	FGD2	1.46E+00
ENSBTAG00000012823	5.16E-10	3.54E-10	GUCA1A	1.46E+00
ENSBTAG00000009180	7.96E-10	5.45E-10	NRSN1	1.46E+00
ENSBTAG00000046116	1.04E-09	7.14E-10		1.46E+00
ENSBTAG00000002150	1.03E-09	7.06E-10	IL17	1.46E+00
ENSBTAG00000008096	4.12E-10	2.81E-10	EDN1	1.47E+00
ENSBTAG00000015743	8.59E-10	5.87E-10	GMPR	1.46E+00
ENSBTAG00000005967	1.83E-10	1.25E-10	UBR2	1.46E+00
ENSBTAG00000015178	2.35E-10	1.61E-10	ECI2	1.46E+00
ENSBTAG00000040168	1.17E-09	7.95E-10	ZSCAN9	1.47E+00
ENSBTAG00000015131	1.93E-10	1.32E-10	SLC29A1	1.46E+00
ENSBTAG00000046573	7.55E-10	5.13E-10	PGBD1	1.47E+00
ENSBTAG00000008148	1.55E-09	1.05E-09	GCM1	1.48E+00
ENSBTAG00000037421	1.35E-09	9.08E-10		1.49E+00
ENSBTAG00000016499	6.98E-10	4.69E-10	OPN5	1.49E+00
ENSBTAG00000020975	1.76E-10	1.18E-10	SYNGAP1	1.49E+00
ENSBTAG00000008954	7.83E-10	5.23E-10	PSMB9	1.50E+00
ENSBTAG00000046160	2.54E-10	1.70E-10	SMIM13	1.50E+00
ENSBTAG00000046777	1.78E-09	1.18E-09		1.50E+00
ENSBTAG00000047014	1.55E-09	1.03E-09		1.51E+00
ENSBTAG00000006966	5.15E-10	3.41E-10	NRM	1.51E+00
ENSBTAG00000019675	2.65E-10	1.75E-10	ATXN1	1.51E+00
ENSBTAG00000010682	1.17E-09	7.75E-10	DDR1	1.51E+00
ENSBTAG00000005842	2.59E-10	1.70E-10		1.52E+00
ENSBTAG00000000580	6.47E-10	4.24E-10		1.53E+00
ENSBTAG00000040188	2.15E-09	1.41E-09		1.52E+00
ENSBTAG00000000578	9.68E-10	6.33E-10	ABHD16A	1.53E+00
ENSBTAG00000021516	1.52E-09	9.86E-10		1.54E+00
ENSBTAG00000014435	6.82E-10	4.42E-10	TCF19	1.54E+00
ENSBTAG00000006927	9.74E-10	6.28E-10	ABCF1	1.55E+00
ENSBTAG00000002089	5.35E-10	3.45E-10	FAM217A	1.55E+00
ENSBTAG00000020012	7.10E-10	4.58E-10	CDC5L	1.55E+00
ENSBTAG00000005532	2.81E-10	1.81E-10	PEX6	1.55E+00
ENSBTAG00000002393	2.31E-10	1.48E-10	C6orf89	1.56E+00
ENSBTAG00000025535	3.59E-10	2.30E-10	GLYATL3	1.56E+00
ENSBTAG00000015590	1.36E-09	8.69E-10	ICK	1.56E+00

ENSBTAG00000015118	2.31E-10	1.47E-10	PNPLA1	1.57E+00
ENSBTAG00000006546	1.50E-09	9.49E-10		1.58E+00
ENSBTAG00000016835	1.93E-09	1.23E-09	IL17F	1.57E+00
ENSBTAG00000010106	1.20E-10	7.57E-11	CCND3	1.59E+00
ENSBTAG00000037949	1.22E-09	7.77E-10		1.58E+00
ENSBTAG00000010217	9.73E-11	6.12E-11	ZNF318	1.59E+00
ENSBTAG00000010100	2.12E-10	1.33E-10	MED20	1.59E+00
ENSBTAG00000001074	2.69E-10	1.69E-10	SAYSD1	1.59E+00
ENSBTAG00000031721	4.00E-10	2.51E-10		1.59E+00
ENSBTAG000000031761	4.00E-10	2.51E-10	HIST1H3J	1.59E+00
ENSBTAG00000005975	2.39E-10	1.50E-10	OARD1	1.59E+00
ENSBTAG00000012384	1.25E-10	7.86E-11	TFEB	1.59E+00
ENSBTAG00000025669	2.01E-10	1.26E-10	B3GALT4	1.59E+00
ENSBTAG000000031776	4.31E-10	2.71E-10	HIST1H2BE	1.59E+00
ENSBTAG00000012087	2.74E-10	1.72E-10	NHLRC1	1.59E+00
ENSBTAG00000021903	1.05E-09	6.59E-10	KIAA0319	1.59E+00
ENSBTAG000000047206	7.53E-10	4.72E-10	HIST1H1E	1.59E+00
ENSBTAG00000006941	4.76E-10	2.99E-10	ATAT1	1.59E+00
ENSBTAG00000031768	1.26E-09	7.92E-10		1.60E+00
ENSBTAG00000040307	1.24E-09	7.78E-10		1.60E+00
ENSBTAG000000039274	1.40E-09	8.79E-10		1.60E+00
ENSBTAG000000038983	8.87E-10	5.57E-10		1.59E+00
ENSBTAG00000009960	9.00E-10	5.65E-10	FLOT1	1.59E+00
ENSBTAG00000025554	1.17E-10	7.37E-11	LRRC73	1.59E+00
ENSBTAG000000018165	8.78E-10	5.51E-10		1.59E+00
ENSBTAG000000027955	1.23E-09	7.71E-10		1.60E+00
ENSBTAG00000031773	1.21E-09	7.57E-10		1.60E+00
ENSBTAG00000048235	1.29E-09	8.10E-10	HIST1H2BA	1.60E+00
ENSBTAG000000024185	1.06E-09	6.64E-10		1.60E+00
ENSBTAG000000039116	1.36E-09	8.49E-10		1.60E+00
ENSBTAG00000047558	1.59E-09	9.96E-10		1.60E+00
ENSBTAG000000047829	1.61E-09	1.01E-09		1.60E+00
ENSBTAG000000014904	4.78E-10	2.96E-10	SIRT5	1.61E+00
ENSBTAG00000017593	2.99E-10	1.84E-10	TREM1	1.62E+00
ENSBTAG00000019315	6.56E-10	4.04E-10	PLA2G7	1.62E+00
ENSBTAG00000000322	6.87E-10	4.23E-10	CD2AP	1.62E+00
ENSBTAG00000010852	8.06E-10	4.93E-10		1.63E+00
ENSBTAG00000007514	4.34E-10	2.65E-10	CPNE5	1.64E+00
ENSBTAG00000019533	6.61E-10	4.03E-10	ADTRP	1.64E+00
ENSBTAG000000020054	6.27E-10	3.82E-10	TNFRSF21	1.64E+00
ENSBTAG00000006936	3.88E-10	2.36E-10	MRPS18B	1.64E+00
ENSBTAG00000012461	8.30E-10	5.05E-10	PRSS16	1.64E+00
ENSBTAG00000001252	5.23E-10	3.18E-10	HIVEP1	1.65E+00
ENSBTAG00000009861	2.14E-10	1.29E-10	FRS3	1.66E+00
ENSBTAG00000012938	3.59E-10	2.17E-10	JARID2	1.65E+00
ENSBTAG00000012058	3.37E-10	2.04E-10		1.65E+00
ENSBTAG00000002069	5.86E-10	3.55E-10	BOLA	1.65E+00
ENSBTAG000000037988	9.97E-10	5.96E-10	ZSCAN31	1.67E+00
ENSBTAG000000039677	2.22E-09	1.33E-09	OR2B6	1.67E+00
ENSBTAG00000037533	7.14E-10	4.26E-10		1.68E+00
ENSBTAG00000046892	2.05E-09	1.22E-09		1.68E+00
ENSBTAG00000005634	9.50E-10	5.64E-10	LSM2	1.68E+00
ENSBTAG00000006960	1.14E-09	6.69E-10	DHX16	1.70E+00
ENSBTAG00000039812	9.31E-10	5.50E-10		1.69E+00
ENSBTAG000000021045	7.16E-10	4.21E-10	E2F3	1.70E+00
ENSBTAG000000031825	2.59E-09	1.51E-09		1.71E+00
ENSBTAG00000022590	5.16E-10	3.01E-10		1.71E+00
ENSBTAG00000016549	9.71E-10	5.58E-10	CARMIL1	1.74E+00
ENSBTAG00000018523	5.19E-10	2.98E-10	TRIM38	1.74E+00
ENSBTAG00000016830	2.06E-10	1.18E-10	DAXX	1.75E+00
ENSBTAG00000040136	3.16E-10	1.80E-10		1.75E+00
ENSBTAG000000034939	1.25E-09	7.15E-10		1.75E+00
ENSBTAG000000010244	9.43E-10	5.39E-10	CLIC5	1.75E+00
ENSBTAG00000017091	2.64E-10	1.51E-10	CMTR1	1.75E+00
ENSBTAG00000000365	8.23E-10	4.69E-10	TDP2	1.75E+00
ENSBTAG00000019684	1.88E-10	1.07E-10	NUDT3	1.75E+00
ENSBTAG000000023541	1.63E-09	9.26E-10	C6orf10	1.77E+00
ENSBTAG00000006969	4.11E-10	2.30E-10	TUBB	1.79E+00
ENSBTAG00000038562	5.83E-10	3.25E-10		1.79E+00
ENSBTAG000000037917	6.57E-10	3.67E-10	SLC17A1	1.79E+00

ENSBTAG00000003038	5.53E-10	3.08E-10	TAP2	1.80E+00
ENSBTAG000000034945	1.52E-09	8.43E-10		1.80E+00
ENSBTAG000000014253	3.97E-10	2.19E-10	TBC1D22B	1.81E+00
ENSBTAG000000017097	2.45E-10	1.35E-10	PTCRA	1.82E+00
ENSBTAG00000000582	1.06E-09	5.86E-10	LY6G6E	1.81E+00
ENSBTAG000000038608	1.31E-09	7.15E-10		1.83E+00
ENSBTAG000000014491	8.30E-10	4.53E-10		1.83E+00
ENSBTAG000000031869	9.85E-10	5.37E-10	ZSCAN26	1.83E+00
ENSBTAG000000033979	1.63E-09	8.83E-10		1.84E+00
ENSBTAG000000025622	1.54E-10	8.31E-11	DEF6	1.85E+00
ENSBTAG000000004436	9.57E-10	5.16E-10	PPT2	1.85E+00
ENSBTAG000000038718	2.23E-10	1.20E-10		1.86E+00
ENSBTAG000000007450	1.12E-09	6.05E-10	C2	1.85E+00
ENSBTAG000000031377	4.06E-10	2.19E-10	SYCP2L	1.85E+00
ENSBTAG000000046621	8.83E-10	4.75E-10	HIST1H1A	1.86E+00
ENSBTAG000000012956	1.21E-09	6.48E-10		1.86E+00
ENSBTAG000000015538	5.93E-10	3.16E-10	LEMD2	1.88E+00
ENSBTAG000000038619	1.13E-09	6.02E-10		1.87E+00
ENSBTAG000000001444	1.12E-09	5.93E-10	TNXB	1.88E+00
ENSBTAG000000045577	1.95E-09	1.03E-09	MCCD1	1.89E+00
ENSBTAG000000007643	8.74E-10	4.60E-10	TRIM39-RPP21	1.90E+00
ENSBTAG000000039683	2.35E-09	1.23E-09		1.91E+00
ENSBTAG000000025526	7.49E-10	3.91E-10	MDC1	1.91E+00
ENSBTAG000000025441	1.03E-09	5.37E-10		1.92E+00
ENSBTAG000000025424	1.04E-09	5.41E-10	NOTCH4	1.92E+00
ENSBTAG000000003332	4.88E-10	2.54E-10	RPP40	1.92E+00
ENSBTAG000000015083	1.43E-09	7.43E-10	FBXO9	1.93E+00
ENSBTAG000000010645	1.32E-09	6.83E-10	BoLA DR-ALPHA	1.93E+00
ENSBTAG000000000601	3.38E-10	1.75E-10	COL11A2	1.93E+00
ENSBTAG0000000031741	7.44E-10	3.82E-10		1.95E+00
ENSBTAG000000006914	8.91E-10	4.57E-10	PRR3	1.95E+00
ENSBTAG000000046839	2.88E-10	1.48E-10		1.95E+00
ENSBTAG000000019343	1.77E-10	9.06E-11	MDFI	1.96E+00
ENSBTAG000000025485	1.32E-09	6.66E-10		1.98E+00
ENSBTAG000000025516	1.11E-09	5.61E-10	GNL1	1.97E+00
ENSBTAG000000012752	9.73E-11	4.90E-11	MRPL2	1.98E+00
ENSBTAG000000004093	2.94E-10	1.48E-10	TUBB2B	1.99E+00
ENSBTAG000000008353	1.48E-10	7.47E-11	CDKN1A	1.99E+00
ENSBTAG000000013384	4.36E-10	2.19E-10		1.99E+00
ENSBTAG0000000008076	1.11E-10	5.58E-11	SLC35B2	1.98E+00
ENSBTAG000000047039	7.05E-10	3.54E-10		1.99E+00
ENSBTAG000000012939	4.55E-10	2.28E-10	DTNBP1	1.99E+00
ENSBTAG000000047086	8.93E-10	4.48E-10		1.99E+00
ENSBTAG0000000031763	1.33E-09	6.64E-10	HIST1H4K	2.00E+00
ENSBTAG000000020674	1.03E-09	5.15E-10	LTB	2.00E+00
ENSBTAG000000031766	1.00E-09	5.04E-10		1.99E+00
ENSBTAG000000024184	1.00E-09	5.04E-10		1.99E+00
ENSBTAG000000025494	1.47E-09	7.36E-10	PAQR8	2.00E+00
ENSBTAG000000010352	4.33E-10	2.14E-10	KCNK16	2.02E+00
ENSBTAG000000017810	1.85E-09	9.12E-10	EFHC1	2.03E+00
ENSBTAG000000031843	1.60E-09	7.76E-10		2.06E+00
ENSBTAG000000040378	1.39E-09	6.70E-10	HIST1H2AI	2.08E+00
ENSBTAG000000014211	4.08E-10	1.96E-10	FOXP4	2.08E+00
ENSBTAG000000046934	2.21E-09	1.06E-09		2.09E+00
ENSBTAG000000048230	3.91E-10	1.86E-10	C6orf132	2.10E+00
ENSBTAG000000013316	1.72E-10	8.13E-11	BRPF3	2.12E+00
ENSBTAG000000012749	9.39E-11	4.44E-11	CUL7	2.11E+00
ENSBTAG000000000529	3.49E-10	1.64E-10		2.13E+00
ENSBTAG000000005206	1.61E-09	7.50E-10	TMEM14A	2.15E+00
ENSBTAG000000009112	1.39E-09	6.45E-10	TRAM2	2.15E+00
ENSBTAG000000011760	2.69E-10	1.23E-10	MRPL14	2.19E+00
ENSBTAG000000038904	5.35E-10	2.44E-10	PRRT1	2.19E+00
ENSBTAG000000023628	5.51E-10	2.52E-10	C6orf47	2.19E+00
ENSBTAG000000039740	1.23E-09	5.55E-10		2.22E+00
ENSBTAG000000005530	3.36E-10	1.51E-10	GNMT	2.22E+00
ENSBTAG000000038955	1.61E-09	7.25E-10	LY6G6D	2.22E+00
ENSBTAG000000007074	9.31E-10	4.18E-10		2.23E+00
ENSBTAG000000006490	6.77E-10	3.03E-10	BOLA-DOA	2.23E+00
ENSBTAG000000043990	6.20E-10	2.76E-10	KHDRBS2	2.24E+00
ENSBTAG000000016824	5.46E-10	2.43E-10	WDR46	2.24E+00

ENSBTAG00000006166	4.09E-10	1.81E-10	WRNIP1	2.26E+00
ENSBTAG00000014421	8.05E-10	3.56E-10	PBX2	2.26E+00
ENSBTAG00000006958	5.76E-10	2.50E-10		2.30E+00
ENSBTAG00000010698	8.80E-10	3.82E-10	VAR52	2.30E+00
ENSBTAG00000014053	4.26E-10	1.84E-10	MAK	2.31E+00
ENSBTAG00000004104	1.80E-10	7.79E-11	RUNX2	2.31E+00
ENSBTAG00000008943	1.18E-09	5.01E-10	ZSCAN12	2.36E+00
ENSBTAG00000038277	1.08E-09	4.56E-10	HIST1H2BJ	2.37E+00
ENSBTAG00000002648	3.70E-10	1.55E-10	RPS18	2.39E+00
ENSBTAG000000045499	2.12E-10	8.88E-11		2.38E+00
ENSBTAG00000008977	1.83E-10	7.66E-11		2.38E+00
ENSBTAG00000047585	2.69E-10	1.13E-10		2.38E+00
ENSBTAG00000038173	3.65E-10	1.53E-10	H2BFS	2.38E+00
ENSBTAG00000024183	6.28E-10	2.63E-10		2.39E+00
ENSBTAG00000025442	6.20E-10	2.59E-10	HSPA1L	2.39E+00
ENSBTAG00000040277	6.24E-10	2.61E-10		2.39E+00
ENSBTAG000000031719	7.93E-10	3.31E-10		2.39E+00
ENSBTAG000000039145	8.03E-10	3.36E-10		2.39E+00
ENSBTAG00000007453	8.62E-10	3.60E-10	NELFE	2.39E+00
ENSBTAG00000039534	1.06E-09	4.42E-10		2.40E+00
ENSBTAG00000004539	1.48E-09	6.17E-10	C6orf15	2.40E+00
ENSBTAG00000019237	3.21E-10	1.32E-10		2.43E+00
ENSBTAG00000008837	1.27E-09	5.22E-10	Csnk2b-Ly6g5b	2.44E+00
ENSBTAG000000017118	3.65E-10	1.49E-10	FAM8A1	2.45E+00
ENSBTAG000000013245	2.36E-10	9.50E-11	ITPR3	2.48E+00
ENSBTAG00000008833	9.80E-10	3.93E-10	APOM	2.49E+00
ENSBTAG00000025471	6.55E-10	2.62E-10	TNF	2.50E+00
ENSBTAG00000019682	6.98E-10	2.79E-10	PRRC2A	2.50E+00
ENSBTAG00000021554	7.39E-10	2.93E-10	NOL7	2.52E+00
ENSBTAG000000039732	5.46E-10	2.15E-10	BLOC1S5-TXNDCS	2.54E+00
ENSBTAG000000045586	1.62E-09	6.38E-10	OR10C1	2.54E+00
ENSBTAG000000004442	7.05E-10	2.76E-10	AGPAT1	2.55E+00
ENSBTAG000000038597	1.41E-09	5.50E-10		2.56E+00
ENSBTAG00000018167	3.36E-10	1.30E-10	KLHL31	2.58E+00
ENSBTAG00000031886	5.03E-10	1.94E-10	HIST1H2BN	2.59E+00
ENSBTAG00000020215	3.44E-10	1.31E-10	EXOC2	2.62E+00
ENSBTAG000000010784	8.38E-10	3.15E-10	ABT1	2.66E+00
ENSBTAG00000039390	1.80E-09	6.71E-10		2.68E+00
ENSBTAG000000017971	6.40E-10	2.39E-10	LRFN2	2.68E+00
ENSBTAG000000013525	9.45E-10	3.52E-10	C6orf25	2.68E+00
ENSBTAG00000025413	8.56E-10	3.13E-10	RNF5	2.73E+00
ENSBTAG00000012777	8.43E-11	3.03E-11	SRF	2.78E+00
ENSBTAG000000011358	4.54E-10	1.63E-10	IER3	2.78E+00
ENSBTAG000000010728	6.31E-10	2.26E-10		2.79E+00
ENSBTAG00000025449	1.07E-09	3.82E-10	LY6G5C	2.79E+00
ENSBTAG00000015571	2.36E-10	8.44E-11	GCLC	2.79E+00
ENSBTAG000000018478	4.56E-10	1.60E-10	RPL7L1	2.85E+00
ENSBTAG000000000585	7.70E-10	2.70E-10	LY6G6C	2.85E+00
ENSBTAG000000012703	2.64E-10	9.21E-11	GLO1	2.87E+00
ENSBTAG000000040064	1.78E-09	6.20E-10		2.87E+00
ENSBTAG000000047736	9.67E-10	3.30E-10		2.93E+00
ENSBTAG000000019685	8.75E-10	2.95E-10	BAG6	2.97E+00
ENSBTAG000000031850	1.32E-09	4.39E-10		3.00E+00
ENSBTAG00000012746	1.71E-10	5.62E-11	KLHDC3	3.04E+00
ENSBTAG000000017251	4.41E-10	1.43E-10	SLC26A8	3.09E+00
ENSBTAG00000002641	1.23E-09	3.98E-10		3.08E+00
ENSBTAG00000013632	5.67E-10	1.81E-10	GRM4	3.13E+00
ENSBTAG00000008981	1.28E-10	4.04E-11	USP49	3.17E+00
ENSBTAG000000005536	2.00E-10	6.29E-11		3.18E+00
ENSBTAG000000034519	1.20E-10	3.79E-11		3.17E+00
ENSBTAG00000024175	8.02E-10	2.51E-10		3.20E+00
ENSBTAG000000005588	9.12E-10	2.86E-10	DXO	3.19E+00
ENSBTAG000000031881	1.69E-09	5.26E-10		3.21E+00
ENSBTAG00000006339	1.20E-09	3.76E-10		3.20E+00
ENSBTAG00000008835	1.23E-09	3.76E-10	GPANK1	3.27E+00
ENSBTAG000000014420	9.81E-10	2.98E-10	AGER	3.29E+00
ENSBTAG000000007618	1.48E-09	4.52E-10		3.28E+00
ENSBTAG00000025589	5.84E-10	1.75E-10	CDKAL1	3.34E+00
ENSBTAG00000010328	4.09E-10	1.22E-10	KCNK17	3.35E+00
ENSBTAG00000020554	7.61E-10	2.27E-10	AIF1	3.35E+00

ENSBTAG00000039052	1.48E-09	4.35E-10		3.41E+00
ENSBTAG00000031780	1.06E-09	3.07E-10	HIST1H2BM	3.46E+00
ENSBTAG00000005630	8.84E-10	2.50E-10	VWA7	3.53E+00
ENSBTAG00000011057	1.44E-10	4.02E-11		3.57E+00
ENSBTAG00000000428	2.47E-10	6.89E-11	BAK1	3.57E+00
ENSBTAG00000037781	4.68E-10	1.31E-10	FKBPL	3.57E+00
ENSBTAG00000006378	2.87E-10	8.02E-11	RIPK1	3.58E+00
ENSBTAG00000039620	7.16E-10	1.99E-10		3.59E+00
ENSBTAG00000040582	7.88E-10	2.19E-10		3.60E+00
ENSBTAG00000046158	7.66E-10	2.06E-10		3.72E+00
ENSBTAG00000008794	1.26E-09	3.35E-10	ATF6B	3.76E+00
ENSBTAG00000019790	7.95E-10	2.09E-10	MSH5	3.80E+00
ENSBTAG00000005675	1.23E-09	3.17E-10	SLC44A4	3.89E+00
ENSBTAG00000038916	1.73E-10	4.34E-11		3.97E+00
ENSBTAG00000000778	7.27E-11	1.83E-11	HSP90AB1	3.96E+00
ENSBTAG00000005533	2.47E-10	6.20E-11	PPP2R5D	3.97E+00
ENSBTAG00000031769	7.25E-10	1.82E-10		3.98E+00
ENSBTAG00000039079	1.86E-09	4.61E-10		4.03E+00
ENSBTAG00000013533	9.74E-10	2.40E-10	CLIC1	4.06E+00
ENSBTAG00000000871	9.33E-10	2.23E-10	TRIM27	4.18E+00
ENSBTAG00000013530	9.85E-10	2.35E-10	DDAH2	4.19E+00
ENSBTAG00000010721	1.81E-09	4.29E-10	MCM3	4.21E+00
ENSBTAG00000040583	1.86E-09	4.41E-10		4.22E+00
ENSBTAG000000037628	2.03E-09	4.81E-10		4.23E+00
ENSBTAG00000046107	2.03E-10	4.78E-11		4.23E+00
ENSBTAG00000031774	8.25E-10	1.94E-10		4.25E+00
ENSBTAG00000033117	8.18E-10	1.92E-10		4.26E+00
ENSBTAG00000005631	1.10E-09	2.56E-10	VARS	4.30E+00
ENSBTAG00000039163	6.07E-10	1.41E-10	HIST1H1D	4.30E+00
ENSBTAG00000005589	1.12E-09	2.57E-10	STK19	4.35E+00
ENSBTAG00000019495	2.69E-10	6.07E-11	TEAD3	4.42E+00
ENSBTAG00000013065	7.30E-10	1.60E-10	HFE	4.56E+00
ENSBTAG00000018343	1.37E-09	2.91E-10	NCR3	4.70E+00
ENSBTAG00000031785	7.32E-10	1.56E-10		4.69E+00
ENSBTAG00000031717	1.21E-09	2.51E-10	HIST1H3G	4.81E+00
ENSBTAG00000031757	1.30E-09	2.71E-10		4.81E+00
ENSBTAG00000031738	1.14E-09	2.37E-10		4.80E+00
ENSBTAG00000020426	4.36E-10	8.92E-11	TFAP2B	4.88E+00
ENSBTAG00000010449	3.95E-10	8.08E-11		4.89E+00
ENSBTAG00000020496	5.01E-10	1.02E-10	C6orf62	4.91E+00
ENSBTAG00000002369	5.81E-10	1.10E-10	TMEM217	5.28E+00
ENSBTAG00000047591	6.22E-10	1.18E-10	C6orf141	5.26E+00
ENSBTAG00000046757	9.14E-10	1.72E-10	GTF2H4	5.31E+00
ENSBTAG00000009226	2.74E-10	5.11E-11	SCUBE3	5.36E+00
ENSBTAG00000005676	8.84E-10	1.61E-10	EHMT2	5.49E+00
ENSBTAG00000027375	4.22E-10	7.69E-11	DUSP22	5.48E+00
ENSBTAG00000019494	2.30E-10	4.14E-11	RPL10A	5.56E+00
ENSBTAG00000005587	1.16E-09	2.07E-10	SKIV2L	5.59E+00
ENSBTAG00000014814	1.76E-10	2.97E-11	GLTSCR1L	5.91E+00
ENSBTAG00000034287	2.16E-10	3.58E-11	TULP1	6.03E+00
ENSBTAG00000016337	7.18E-10	9.99E-11	ACOT13	7.18E+00
ENSBTAG00000045936	7.43E-10	1.03E-10		7.20E+00
ENSBTAG00000031758	1.62E-09	2.24E-10	HIST1H2AL	7.24E+00
ENSBTAG00000016834	6.33E-10	8.63E-11	LHFPL5	7.33E+00
ENSBTAG00000000396	4.03E-10	5.33E-11	PIM1	7.55E+00
ENSBTAG00000002166	8.74E-10	1.15E-10	CRISP2	7.59E+00
ENSBTAG00000025391	7.49E-10	9.80E-11		7.64E+00
ENSBTAG00000003797	6.68E-10	8.68E-11	SLC17A3	7.69E+00
ENSBTAG00000002642	5.91E-10	7.36E-11	SLC17A2	8.02E+00
ENSBTAG00000031888	1.84E-09	2.28E-10	HIST1H2AJ	8.06E+00
ENSBTAG00000008953	9.03E-10	1.04E-10	TAP1	8.67E+00
ENSBTAG00000024169	7.87E-10	8.95E-11	POM121L2	8.78E+00
ENSBTAG00000016833	1.18E-09	1.26E-10	CLPS	9.34E+00
ENSBTAG00000010640	1.22E-09	1.17E-10		1.04E+01
ENSBTAG00000012918	7.19E-10	6.81E-11	CRISP3	1.05E+01
ENSBTAG00000002929	5.55E-10	5.18E-11	IRF4	1.07E+01
ENSBTAG00000019926	1.08E-09	9.85E-11	SCGN	1.09E+01
ENSBTAG00000009152	6.49E-10	5.89E-11	ZNF391	1.10E+01
ENSBTAG00000025410	1.12E-09	7.56E-11	EGFL8	1.48E+01
ENSBTAG00000011498	8.88E-10	2.57E-11	ZNF184	3.44E+01

ENSBTAG00000003039	1.45E-09	3.06E-11	PSMB8	4.73E+01
ENSBTAG00000020116	2.23E-11	0	JSP.1	2.24E+02
ENSBTAG000000031770	8.66E-10	0		8.66E+03
ENSBTAG000000031771	1.05E-09	0		1.05E+04
ENSBTAG000000011677	9.00E-10	0	HIST1H1C	9.00E+03
ENSBTAG000000025882	2.14E-10	0		2.14E+03
ENSBTAG000000046992	1.71E-09	0		1.71E+04
ENSBTAG000000045884	4.38E-10	0	RNF182	4.38E+03
ENSBTAG000000038782	9.42E-10	0		9.42E+03
ENSBTAG000000024182	4.31E-10	0		4.31E+03
ENSBTAG000000046096	8.33E-10	0		8.33E+03
ENSBTAG000000031756	7.93E-10	0		7.93E+03
ENSBTAG000000031759	2.24E-09	0		2.24E+04
ENSBTAG000000031760	1.30E-09	0	HIST1H2BI	1.30E+04
ENSBTAG000000031762	1.06E-09	0	HIST4H4	1.06E+04
ENSBTAG000000004219	0	0	RPL27	1.00E+00
ENSBTAG000000012822	0	0	MGC137036	1.00E+00
ENSBTAG000000032031	5.93E-11	0	ZBTB12	5.94E+02
ENSBTAG000000034656	0	2.63E-10		3.80E-04
ENSBTAG000000045511	1.03E-10	2.16E-10		4.75E-01
ENSBTAG000000009687	2.01E-10	3.80E-10	TIMM21	5.29E-01
ENSBTAG000000014886	1.20E-10	2.19E-10	MEX3C	5.49E-01
ENSBTAG000000019455	4.18E-10	6.93E-10	MYO5B	6.03E-01
ENSBTAG000000010547	1.18E-10	1.90E-10	CEP76	6.23E-01
ENSBTAG000000039248	1.32E-09	2.09E-09		6.33E-01
ENSBTAG000000016462	1.51E-10	2.35E-10	TCF4	6.44E-01
ENSBTAG000000018954	2.03E-10	3.12E-10	ELP2	6.50E-01
ENSBTAG000000001801	3.69E-10	5.50E-10	SYT4	6.71E-01
ENSBTAG000000021334	1.66E-10	2.48E-10	C18orf32	6.71E-01
ENSBTAG000000044212	2.75E-10	3.85E-10		7.14E-01
ENSBTAG000000014259	3.01E-10	3.93E-10	KCTD1	7.65E-01
ENSBTAG000000016620	9.70E-10	1.26E-09	SIGLEC15	7.70E-01
ENSBTAG000000006393	3.84E-10	4.99E-10	FECH	7.70E-01
ENSBTAG000000009266	4.75E-10	6.06E-10	CD226	7.84E-01
ENSBTAG000000026266	2.29E-10	2.90E-10	MYL12B	7.90E-01
ENSBTAG000000022902	1.80E-10	2.26E-10		7.95E-01
ENSBTAG000000002507	4.71E-10	5.93E-10	ATP5A1	7.94E-01
ENSBTAG000000018216	1.30E-10	1.64E-10	SKA1	7.96E-01
ENSBTAG000000046170	2.12E-10	2.67E-10		7.93E-01
ENSBTAG0000000015315	6.06E-11	7.64E-11		7.94E-01
ENSBTAG000000022826	1.39E-10	1.75E-10	RAX	7.94E-01
ENSBTAG000000001724	8.83E-11	1.11E-10	ZADH2	7.96E-01
ENSBTAG000000047013	1.71E-10	2.15E-10		7.94E-01
ENSBTAG000000000422	2.28E-10	2.88E-10	TSHZ1	7.92E-01
ENSBTAG000000010542	1.36E-10	1.68E-10	SPIRE1	8.12E-01
ENSBTAG000000013306	1.74E-10	2.12E-10	ZBTB7C	8.21E-01
ENSBTAG000000019585	2.86E-10	3.47E-10	MYOM1	8.24E-01
ENSBTAG000000007567	7.68E-10	9.26E-10	TMX3	8.30E-01
ENSBTAG000000015731	5.29E-10	6.30E-10	TXNL1	8.39E-01
ENSBTAG000000000106	6.04E-10	7.14E-10	FAM69C	8.46E-01
ENSBTAG000000022895	5.31E-10	6.26E-10	PQLC1	8.49E-01
ENSBTAG000000009459	4.09E-10	4.78E-10	MTCL1	8.56E-01
ENSBTAG000000004257	5.23E-10	6.09E-10	TAF4B	8.58E-01
ENSBTAG000000018901	3.33E-10	3.86E-10	CTIF	8.62E-01
ENSBTAG000000005154	2.17E-10	2.51E-10	APCDD1	8.63E-01
ENSBTAG000000019271	1.77E-10	2.04E-10		8.66E-01
ENSBTAG000000023198	7.00E-10	8.06E-10		8.69E-01
ENSBTAG000000012060	2.18E-10	2.50E-10	LPIN2	8.72E-01
ENSBTAG000000005985	7.86E-10	8.99E-10	CBLN2	8.75E-01
ENSBTAG000000006919	1.70E-10	1.94E-10	SMAD4	8.74E-01
ENSBTAG000000023026	7.65E-10	8.67E-10		8.82E-01
ENSBTAG000000017698	3.80E-10	4.29E-10	PSMA8	8.85E-01
ENSBTAG000000001739	7.93E-10	8.75E-10	CDH20	9.07E-01
ENSBTAG000000014012	4.61E-10	5.09E-10	CLUL1	9.06E-01
ENSBTAG000000012067	4.48E-10	4.90E-10	EPG5	9.14E-01
ENSBTAG0000000011171	2.30E-10	2.51E-10	PIEZO2	9.16E-01
ENSBTAG000000002128	9.55E-11	1.04E-10	MPPE1	9.18E-01
ENSBTAG000000012889	2.79E-10	3.03E-10	NETO1	9.20E-01
ENSBTAG000000005738	2.64E-10	2.86E-10	ATP8B1	9.24E-01
ENSBTAG000000001128	6.93E-10	7.50E-10	RNF165	9.24E-01



ENSBTAG00000046396	3.24E-10	3.49E-10	TMEM200C	9.28E-01
ENSBTAG00000035182	9.18E-10	9.91E-10	SERPINB13	9.27E-01
ENSBTAG00000001770	6.04E-10	6.46E-10	ST8SIA5	9.35E-01
ENSBTAG00000002755	2.46E-10	2.63E-10	ANKRD12	9.34E-01
ENSBTAG00000013587	9.71E-11	1.04E-10	TXNL4A	9.34E-01
ENSBTAG00000015210	5.41E-10	5.72E-10		9.46E-01
ENSBTAG00000032961	5.65E-10	5.97E-10		9.46E-01
ENSBTAG00000017983	1.32E-10	1.38E-10	PRELID3A	9.54E-01
ENSBTAG00000015238	5.66E-10	5.95E-10	DSC3	9.51E-01
ENSBTAG000000027181	5.50E-10	5.77E-10	LAMA3	9.53E-01
ENSBTAG00000008158	3.98E-10	4.16E-10	CCDC68	9.58E-01
ENSBTAG00000046533	2.59E-10	2.67E-10	RAB31	9.70E-01
ENSBTAG00000002660	2.09E-10	2.15E-10	CFAP53	9.70E-01
ENSBTAG00000002019	1.21E-09	1.24E-09	SERPINB5	9.73E-01
ENSBTAG00000021190	4.71E-10	4.83E-10	CDH2	9.75E-01
ENSBTAG00000016269	5.23E-10	5.30E-10	ME2	9.87E-01
ENSBTAG00000002624	2.80E-10	2.83E-10	PSTPIP2	9.89E-01
ENSBTAG00000016024	3.54E-10	3.54E-10	MYL12A	1.00E+00
ENSBTAG00000011622	8.39E-10	8.34E-10	C18orf21	1.01E+00
ENSBTAG00000004871	2.21E-10	2.19E-10	NDUFV2	1.01E+00
ENSBTAG00000037907	3.16E-10	3.12E-10	DSEL	1.01E+00
ENSBTAG00000012252	8.50E-10	8.38E-10	MOCOS	1.01E+00
ENSBTAG00000011531	1.81E-10	1.78E-10	SS18	1.02E+00
ENSBTAG00000009686	9.16E-10	8.95E-10	FBXO15	1.02E+00
ENSBTAG000000008705	3.90E-10	3.79E-10		1.03E+00
ENSBTAG00000036297	1.42E-10	1.38E-10	RBFA	1.03E+00
ENSBTAG00000005683	1.15E-10	1.12E-10	ELAC1	1.03E+00
ENSBTAG00000005638	1.43E-10	1.39E-10	CABYR	1.03E+00
ENSBTAG000000040584	7.57E-10	7.31E-10	DSC2	1.04E+00
ENSBTAG00000005917	1.50E-10	1.44E-10	PARD6G	1.04E+00
ENSBTAG00000010563	1.43E-10	1.38E-10	PTPN2	1.04E+00
ENSBTAG00000001523	4.50E-10	4.34E-10	YES1	1.04E+00
ENSBTAG00000018088	2.45E-10	2.34E-10	SETBP1	1.05E+00
ENSBTAG00000013665	3.88E-10	3.71E-10	KCNG2	1.04E+00
ENSBTAG00000000998	3.64E-10	3.47E-10	SLC39A6	1.05E+00
ENSBTAG00000001207	8.70E-10	8.29E-10	SERPINB8	1.05E+00
ENSBTAG00000003880	2.84E-10	2.69E-10	EMILIN2	1.05E+00
ENSBTAG00000005412	2.65E-10	2.50E-10	NEDD4L	1.06E+00
ENSBTAG00000021668	5.19E-10	4.82E-10	METTL4	1.08E+00
ENSBTAG000000000517	8.07E-10	7.48E-10	ANKRD29	1.08E+00
ENSBTAG00000032964	1.61E-10	1.48E-10		1.09E+00
ENSBTAG00000006726	9.19E-10	8.49E-10	CCDC102B	1.08E+00
ENSBTAG00000014284	4.64E-10	4.28E-10	ALPK2	1.09E+00
ENSBTAG000000003113	4.98E-10	4.60E-10	RNF125	1.08E+00
ENSBTAG00000001805	1.70E-10	1.57E-10	TWSG1	1.09E+00
ENSBTAG00000024015	3.96E-10	3.64E-10	PTPRM	1.09E+00
ENSBTAG00000017597	2.30E-10	2.10E-10	ESCO1	1.10E+00
ENSBTAG00000021884	1.66E-10	1.52E-10	CXXC1	1.09E+00
ENSBTAG00000013871	4.31E-10	3.95E-10		1.09E+00
ENSBTAG00000017279	2.23E-10	2.04E-10	VAPA	1.10E+00
ENSBTAG00000007705	4.25E-10	3.87E-10	COLEC12	1.10E+00
ENSBTAG00000012012	6.05E-10	5.51E-10	CYB5A	1.10E+00
ENSBTAG00000019251	4.96E-10	4.49E-10	EPB41L3	1.11E+00
ENSBTAG00000006833	4.00E-10	3.61E-10	LMAN1	1.11E+00
ENSBTAG00000032962	2.98E-10	2.69E-10	SKOR2	1.11E+00
ENSBTAG00000011038	1.39E-10	1.24E-10	MC2R	1.12E+00
ENSBTAG00000001102	1.06E-09	9.39E-10	SERPINB10	1.13E+00
ENSBTAG00000019036	6.35E-10	5.61E-10	ARHGAP28	1.13E+00
ENSBTAG00000021428	2.17E-10	1.92E-10	CNDP1	1.13E+00
ENSBTAG00000011250	1.42E-10	1.25E-10	AFG3L2	1.14E+00
ENSBTAG00000046046	3.79E-10	3.30E-10	LRRC30	1.15E+00
ENSBTAG00000011893	2.02E-10	1.74E-10		1.16E+00
ENSBTAG00000021003	2.96E-10	2.54E-10	GALR1	1.16E+00
ENSBTAG00000019870	6.27E-10	5.34E-10	SLC14A1	1.17E+00
ENSBTAG00000035171	9.59E-10	8.17E-10	SERPINB12	1.17E+00
ENSBTAG00000005324	6.65E-10	5.66E-10		1.17E+00
ENSBTAG00000022890	6.98E-10	5.91E-10		1.18E+00
ENSBTAG00000014082	4.56E-10	3.83E-10	CHST9	1.19E+00
ENSBTAG00000020650	2.62E-10	2.20E-10	ADCYAP1	1.19E+00
ENSBTAG00000005372	3.90E-10	3.24E-10	DLGAP1	1.20E+00

ENSBTAG00000047809	3.78E-10	3.11E-10		1.21E+00
ENSBTAG00000005916	1.03E-10	8.50E-11	ADNP2	1.21E+00
ENSBTAG00000010492	4.53E-10	3.72E-10	VPS4B	1.22E+00
ENSBTAG00000016666	2.92E-10	2.38E-10	KIAA1468	1.23E+00
ENSBTAG00000010552	1.15E-10	9.34E-11	PSMG2	1.23E+00
ENSBTAG00000023270	5.85E-10	4.68E-10	CDH19	1.25E+00
ENSBTAG00000005497	3.19E-10	2.51E-10	RPRD1A	1.27E+00
ENSBTAG00000048303	1.30E-10	1.02E-10		1.27E+00
ENSBTAG00000036298	1.27E-10	9.88E-11		1.28E+00
ENSBTAG00000046957	5.25E-10	4.11E-10	DOK6	1.28E+00
ENSBTAG00000022829	7.67E-10	5.91E-10		1.30E+00
ENSBTAG00000000024	1.54E-10	1.18E-10	DYM	1.30E+00
ENSBTAG00000022466	3.76E-10	2.88E-10	C18orf63	1.30E+00
ENSBTAG00000040586	7.32E-10	5.59E-10		1.31E+00
ENSBTAG00000005158	2.91E-10	2.21E-10	NAPG	1.32E+00
ENSBTAG00000009142	1.57E-10	1.19E-10	RNMT	1.32E+00
ENSBTAG00000007696	3.31E-10	2.52E-10		1.31E+00
ENSBTAG00000016663	4.07E-10	3.09E-10	PIGN	1.32E+00
ENSBTAG00000007833	1.76E-10	1.32E-10	PIAS2	1.33E+00
ENSBTAG00000004650	2.50E-10	1.86E-10	ZNF516	1.34E+00
ENSBTAG00000010299	5.98E-10	4.45E-10	NOL4	1.34E+00
ENSBTAG00000003801	1.86E-10	1.38E-10	MBD1	1.35E+00
ENSBTAG00000010255	2.66E-10	1.96E-10		1.36E+00
ENSBTAG00000006743	2.04E-10	1.50E-10	RBBP8	1.36E+00
ENSBTAG00000007467	1.89E-10	1.38E-10	MIB1	1.37E+00
ENSBTAG00000010356	1.69E-10	1.23E-10	RAB12	1.37E+00
ENSBTAG00000002863	3.15E-10	2.26E-10	ACAA2	1.39E+00
ENSBTAG00000010037	6.03E-10	4.33E-10	TMEM241	1.39E+00
ENSBTAG00000005734	2.00E-10	1.44E-10		1.39E+00
ENSBTAG00000023259	4.42E-10	3.17E-10	OSBPL1A	1.40E+00
ENSBTAG00000013588	2.97E-10	2.12E-10	ZNF532	1.40E+00
ENSBTAG00000007003	3.01E-10	2.14E-10	TYMS	1.41E+00
ENSBTAG00000010792	1.49E-10	1.04E-10	SEH1L	1.43E+00
ENSBTAG00000000531	6.12E-10	4.28E-10		1.43E+00
ENSBTAG00000022819	2.68E-10	1.86E-10	ONECUT2	1.44E+00
ENSBTAG00000004940	3.02E-10	2.08E-10	CELF4	1.45E+00
ENSBTAG00000047003	3.52E-10	2.40E-10	ASXL3	1.47E+00
ENSBTAG00000015195	4.85E-10	3.29E-10	NPC1	1.47E+00
ENSBTAG00000012426	6.09E-10	4.07E-10		1.50E+00
ENSBTAG000000019199	1.87E-10	1.25E-10		1.50E+00
ENSBTAG00000002099	2.29E-10	1.51E-10	SLC14A2	1.52E+00
ENSBTAG00000007347	1.90E-10	1.26E-10	ST8SIA3	1.50E+00
ENSBTAG00000012307	5.42E-10	3.55E-10	DTNA	1.53E+00
ENSBTAG00000002788	9.59E-10	6.23E-10	RAB27B	1.54E+00
ENSBTAG00000021581	3.73E-10	2.39E-10	FHOD3	1.56E+00
ENSBTAG00000022887	3.83E-10	2.45E-10	ZNF407	1.56E+00
ENSBTAG00000008723	4.04E-10	2.57E-10	CCBE1	1.57E+00
ENSBTAG00000027916	3.10E-10	1.97E-10	MALT1	1.57E+00
ENSBTAG00000013221	3.07E-10	1.94E-10	RTTN	1.58E+00
ENSBTAG00000019676	1.89E-10	1.19E-10	MC4R	1.58E+00
ENSBTAG00000044087	1.78E-10	1.12E-10		1.59E+00
ENSBTAG00000007718	1.25E-10	7.88E-11		1.59E+00
ENSBTAG00000043951	1.20E-10	7.54E-11	IMPA2	1.59E+00
ENSBTAG00000017412	1.98E-10	1.24E-10	SOCS6	1.59E+00
ENSBTAG00000013809	5.24E-11	3.30E-11		1.59E+00
ENSBTAG00000047569	3.66E-10	2.30E-10		1.59E+00
ENSBTAG00000008292	2.97E-10	1.87E-10	SNRPD1	1.59E+00
ENSBTAG00000013380	1.61E-10	1.01E-10	CEP192	1.60E+00
ENSBTAG00000009143	5.04E-10	3.17E-10	MC5R	1.59E+00
ENSBTAG00000047113	1.60E-10	1.01E-10		1.58E+00
ENSBTAG00000047609	1.27E-10	7.99E-11		1.59E+00
ENSBTAG00000019037	2.77E-10	1.70E-10	AQP4	1.63E+00
ENSBTAG00000020391	2.70E-10	1.60E-10	MEP1B	1.69E+00
ENSBTAG00000039916	1.69E-10	9.91E-11	SMAD2	1.70E+00
ENSBTAG00000039037	1.06E-09	6.21E-10		1.71E+00
ENSBTAG00000014488	5.43E-10	3.18E-10	CDH7	1.71E+00
ENSBTAG00000007569	5.77E-10	3.35E-10	TNFRSF11A	1.72E+00
ENSBTAG00000009139	2.04E-10	1.18E-10	LDLRAD4	1.73E+00
ENSBTAG00000009907	2.55E-10	1.47E-10	MAPK4	1.73E+00
ENSBTAG00000039850	2.07E-09	1.13E-09		1.83E+00

ENSBTAG0000004005	4.42E-10	2.37E-10	WDR7	1.86E+00
ENSBTAG00000008403	3.05E-10	1.60E-10	ROCK1	1.91E+00
ENSBTAG00000019215	5.90E-10	3.10E-10	THOC1	1.90E+00
ENSBTAG00000020003	5.10E-10	2.68E-10	KLHL14	1.90E+00
ENSBTAG00000037608	7.96E-10	4.14E-10		1.92E+00
ENSBTAG00000009841	9.85E-10	5.11E-10	CNDP2	1.93E+00
ENSBTAG00000019302	5.01E-10	2.58E-10	BCL2	1.94E+00
ENSBTAG00000035224	9.16E-10	4.70E-10		1.95E+00
ENSBTAG00000010252	2.72E-10	1.40E-10		1.94E+00
ENSBTAG00000005709	2.92E-10	1.47E-10	ABHD3	1.99E+00
ENSBTAG00000002512	7.12E-10	3.54E-10	HAUS1	2.01E+00
ENSBTAG00000037773	7.56E-10	3.72E-10	SERPINB7	2.03E+00
ENSBTAG00000004796	7.17E-10	3.52E-10	GRP	2.04E+00
ENSBTAG00000007520	6.46E-10	3.14E-10	MAPRE2	2.06E+00
ENSBTAG00000047635	4.05E-10	1.96E-10	MRO	2.07E+00
ENSBTAG00000019331	3.17E-10	1.53E-10	KATNAL2	2.07E+00
ENSBTAG000000045832	5.79E-10	2.74E-10	PHLPP1	2.11E+00
ENSBTAG00000017517	3.22E-10	1.44E-10	ZNF236	2.23E+00
ENSBTAG00000007000	4.22E-10	1.88E-10	ENOSF1	2.25E+00
ENSBTAG00000038739	5.48E-10	2.41E-10	CPLX4	2.27E+00
ENSBTAG000000021923	1.20E-09	5.22E-10	DSG2	2.30E+00
ENSBTAG00000007383	3.78E-10	1.63E-10	ZNF521	2.32E+00
ENSBTAG00000007723	5.31E-10	2.22E-10	KDSR	2.39E+00
ENSBTAG000000018160	5.62E-10	2.29E-10	LAMA1	2.45E+00
ENSBTAG000000011206	5.06E-10	2.07E-10	GALNT1	2.45E+00
ENSBTAG00000009129	6.07E-10	2.45E-10	POLI	2.48E+00
ENSBTAG00000009141	1.61E-10	6.51E-11	FAM210A	2.47E+00
ENSBTAG00000037554	6.49E-10	2.60E-10		2.50E+00
ENSBTAG000000015190	5.17E-10	2.06E-10	C24H18orf8	2.51E+00
ENSBTAG00000008275	3.40E-10	1.31E-10	GREB1L	2.60E+00
ENSBTAG000000037457	4.76E-10	1.80E-10		2.64E+00
ENSBTAG000000020286	2.78E-10	1.05E-10	GAREM1	2.64E+00
ENSBTAG000000020160	2.78E-10	1.01E-10	RNF138	2.75E+00
ENSBTAG000000026290	5.73E-10	2.06E-10	PIK3C3	2.78E+00
ENSBTAG00000040126	8.96E-10	3.11E-10	DSG4	2.88E+00
ENSBTAG00000013831	1.02E-09	3.53E-10	DSG1	2.89E+00
ENSBTAG000000000138	2.24E-10	7.46E-11	CCDC178	3.00E+00
ENSBTAG00000010991	8.00E-10	2.56E-10	TTR	3.12E+00
ENSBTAG000000039296	3.91E-10	1.24E-10		3.15E+00
ENSBTAG000000005635	3.14E-10	9.54E-11	TTC39C	3.28E+00
ENSBTAG000000003035	9.14E-10	2.79E-10	IMPACT	3.28E+00
ENSBTAG000000006656	3.92E-10	1.19E-10	NFATC1	3.29E+00
ENSBTAG00000010042	3.69E-10	1.11E-10	RIOK3	3.32E+00
ENSBTAG000000009822	2.76E-10	8.23E-11	PPP4R1	3.35E+00
ENSBTAG00000046547	1.99E-10	5.89E-11		3.37E+00
ENSBTAG000000021583	1.77E-10	5.19E-11	TPGS2	3.41E+00
ENSBTAG000000021673	2.91E-10	8.43E-11	NDC80	3.45E+00
ENSBTAG000000011954	6.09E-10	1.75E-10	SEC11C	3.48E+00
ENSBTAG000000001224	6.12E-10	1.65E-10	ATP9B	3.71E+00
ENSBTAG00000017276	1.24E-09	3.29E-10		3.77E+00
ENSBTAG000000044063	6.11E-10	1.59E-10	B4GALT6	3.84E+00
ENSBTAG000000008168	6.84E-10	1.42E-10	STARD6	4.82E+00
ENSBTAG00000019214	5.77E-10	1.08E-10	USP14	5.34E+00
ENSBTAG000000002125	6.51E-10	1.11E-10	GNAL	5.86E+00
ENSBTAG000000020467	6.52E-10	1.06E-10	HRH4	6.15E+00
ENSBTAG000000046901	1.08E-09	1.75E-10		6.14E+00
ENSBTAG00000038970	4.88E-10	7.66E-11	ZBTB14	6.37E+00
ENSBTAG00000019876	9.71E-10	1.46E-10	DSC1	6.65E+00
ENSBTAG000000021250	4.32E-10	5.31E-11	RALBP1	8.12E+00
ENSBTAG00000012441	3.75E-10	4.11E-11	SMAD7	9.11E+00
ENSBTAG000000008169	7.66E-10	8.12E-11	C18orf54	9.42E+00
ENSBTAG000000003354	4.29E-10	2.78E-11	SMCHD1	1.54E+01
ENSBTAG000000039483	7.19E-10	9.85E-12	DSG3	7.23E+01
ENSBTAG000000034676	1.20E-10	0		1.20E+03
ENSBTAG000000046269	2.16E-10	0		2.16E+03
ENSBTAG000000034555	9.58E-11	0	AP3S1	9.59E+02
ENSBTAG000000012320	9.24E-11	0	CETN1	9.25E+02
ENSBTAG000000046337	1.54E-10	0	TUBB6	1.54E+03
ENSBTAG000000002367	0	7.66E-11	HCFC1R1	1.30E-03
ENSBTAG000000032643	0	4.12E-10		2.43E-04

ENSBTAG00000019743	1.32E-10	5.38E-10	CHTF18	2.45E-01
ENSBTAG00000034238	1.01E-10	3.06E-10	ZSCAN10	3.30E-01
ENSBTAG00000009842	2.68E-10	8.06E-10	CRYM	3.33E-01
ENSBTAG00000009928	2.13E-10	5.92E-10	MLST8	3.60E-01
ENSBTAG00000032198	2.02E-10	5.11E-10		3.96E-01
ENSBTAG00000017697	2.32E-11	5.85E-11	CTF1	3.98E-01
ENSBTAG00000018000	3.31E-10	7.93E-10		4.17E-01
ENSBTAG00000005572	3.04E-10	6.97E-10	ZNF205	4.37E-01
ENSBTAG00000020734	1.52E-10	2.88E-10	ARL6IP1	5.28E-01
ENSBTAG00000032880	2.20E-10	4.17E-10		5.29E-01
ENSBTAG00000009868	1.19E-10	2.24E-10	VGf	5.30E-01
ENSBTAG0000002935	5.59E-11	1.06E-10	TMEM248	5.28E-01
ENSBTAG00000019123	3.82E-10	6.90E-10	MEFV	5.54E-01
ENSBTAG00000000179	1.79E-10	2.91E-10	RPUSD1	6.16E-01
ENSBTAG00000026408	4.12E-10	6.58E-10	ZNF213	6.26E-01
ENSBTAG00000035373	1.02E-10	1.61E-10		6.33E-01
ENSBTAG00000009945	2.29E-10	3.61E-10	BRICD5	6.35E-01
ENSBTAG00000011162	3.45E-10	5.41E-10	ZKSCAN2	6.37E-01
ENSBTAG00000003607	3.49E-10	5.41E-10	FAM20C	6.46E-01
ENSBTAG00000018011	5.56E-10	8.57E-10	APOBR	6.49E-01
ENSBTAG00000007402	1.89E-10	2.91E-10	ZFAND2A	6.50E-01
ENSBTAG00000006593	1.82E-10	2.75E-10	ANKS3	6.62E-01
ENSBTAG00000021407	4.42E-10	6.57E-10		6.73E-01
ENSBTAG00000004875	8.16E-11	1.21E-10	NAT15	6.75E-01
ENSBTAG00000034368	1.77E-10	2.60E-10	PRSS33	6.81E-01
ENSBTAG00000033174	8.79E-11	1.28E-10	TFAP4	6.87E-01
ENSBTAG00000002470	1.66E-10	2.40E-10	CCDC78	6.94E-01
ENSBTAG00000015045	4.98E-10	6.95E-10	PRSS21	7.16E-01
ENSBTAG00000005195	5.49E-10	7.57E-10	ZNF200	7.26E-01
ENSBTAG00000026194	4.70E-10	6.36E-10	AMZ1	7.39E-01
ENSBTAG00000016330	1.77E-10	2.36E-10	12-Sep	7.48E-01
ENSBTAG00000026428	2.44E-10	3.27E-10	ATP6V0C	7.47E-01
ENSBTAG00000035782	3.40E-10	4.50E-10	METTL22	7.55E-01
ENSBTAG00000008190	5.17E-10	6.81E-10	SUMF2	7.59E-01
ENSBTAG00000013858	2.47E-10	3.15E-10	C16orf72	7.84E-01
ENSBTAG00000045625	1.25E-10	1.58E-10	NTN3	7.94E-01
ENSBTAG00000040432	1.35E-10	1.70E-10	CLDN3	7.94E-01
ENSBTAG00000018016	1.23E-10	1.55E-10	NUPR1	7.95E-01
ENSBTAG00000004386	2.44E-10	3.08E-10	SOCS1	7.93E-01
ENSBTAG00000016567	1.12E-10	1.42E-10	HBQ1	7.91E-01
ENSBTAG00000008487	1.72E-10	2.17E-10	VPS37D	7.94E-01
ENSBTAG00000047634	3.50E-10	4.41E-10		7.93E-01
ENSBTAG00000006595	1.71E-10	2.16E-10	C16orf71	7.92E-01
ENSBTAG00000048231	8.87E-10	1.12E-09		7.92E-01
ENSBTAG00000026417	1.07E-10	1.34E-10		7.96E-01
ENSBTAG00000019136	3.47E-11	4.38E-11	STUB1	7.93E-01
ENSBTAG00000018625	5.35E-10	6.75E-10	ZNF263	7.93E-01
ENSBTAG00000020209	9.69E-10	1.22E-09	TIGD7	7.94E-01
ENSBTAG00000033580	6.76E-10	8.52E-10	MSLNL	7.94E-01
ENSBTAG00000002467	5.44E-11	6.85E-11	FAM173A	7.94E-01
ENSBTAG00000039962	4.47E-11	5.64E-11	DCTPP1	7.94E-01
ENSBTAG00000005757	2.70E-10	3.40E-10	FUS	7.95E-01
ENSBTAG00000038330	2.36E-10	2.97E-10		7.95E-01
ENSBTAG00000001078	3.22E-10	4.06E-10		7.94E-01
ENSBTAG00000016581	3.20E-11	4.04E-11	MRPL28	7.93E-01
ENSBTAG00000033526	4.29E-10	5.41E-10	GNG13	7.93E-01
ENSBTAG00000019804	3.80E-11	4.79E-11	SNRNP25	7.93E-01
ENSBTAG00000010851	1.81E-10	2.29E-10	SEPHS2	7.92E-01
ENSBTAG00000005446	1.69E-10	2.12E-10		7.95E-01
ENSBTAG00000020896	1.36E-10	1.72E-10	GRIFIN	7.93E-01
ENSBTAG00000040381	6.39E-10	7.97E-10	ZNF75A	8.02E-01
ENSBTAG00000022825	9.11E-10	1.11E-09		8.20E-01
ENSBTAG00000002484	3.90E-10	4.76E-10	NARFL	8.20E-01
ENSBTAG00000000177	5.74E-10	6.94E-10		8.27E-01
ENSBTAG00000048279	1.14E-09	1.38E-09		8.25E-01
ENSBTAG00000008446	3.60E-10	4.34E-10	TYW1	8.31E-01
ENSBTAG00000009961	3.24E-10	3.87E-10	E4F1	8.39E-01
ENSBTAG00000046098	5.28E-10	6.28E-10	ACSM4	8.41E-01
ENSBTAG00000017015	6.10E-10	7.25E-10	TEKT5	8.41E-01
ENSBTAG00000046142	2.22E-10	2.62E-10		8.46E-01

ENSBTAG00000040575	4.10E-10	4.82E-10	KCTD5	8.51E-01
ENSBTAG00000019593	9.28E-10	1.09E-09	KNOP1	8.52E-01
ENSBTAG00000002101	6.61E-10	7.69E-10	GDE1	8.59E-01
ENSBTAG00000026278	6.93E-10	8.05E-10	CLDN4	8.60E-01
ENSBTAG00000014541	1.91E-10	2.22E-10	PDGFA	8.61E-01
ENSBTAG00000018250	2.75E-10	3.17E-10	CLEC19A	8.68E-01
ENSBTAG00000002352	7.31E-10	8.39E-10	GGA2	8.71E-01
ENSBTAG00000020198	3.89E-10	4.41E-10	METR1	8.82E-01
ENSBTAG00000016588	1.73E-10	1.95E-10	TMEM8A	8.89E-01
ENSBTAG00000003960	4.18E-10	4.71E-10	CCP110	8.87E-01
ENSBTAG00000004676	2.25E-10	2.54E-10	TMEM184A	8.86E-01
ENSBTAG00000009964	4.84E-10	5.42E-10	DNASE1L2	8.94E-01
ENSBTAG000000032373	3.31E-10	3.69E-10		8.97E-01
ENSBTAG00000014826	4.01E-10	4.46E-10	ZC3H7A	9.00E-01
ENSBTAG00000001374	5.12E-10	5.67E-10	WBSCR27	9.03E-01
ENSBTAG00000005458	1.46E-10	1.62E-10	TBC1D24	9.02E-01
ENSBTAG000000026273	3.09E-10	3.40E-10	MYL10	9.08E-01
ENSBTAG000000047520	4.47E-10	4.88E-10		9.16E-01
ENSBTAG00000010163	3.41E-10	3.70E-10	SCNN1G	9.22E-01
ENSBTAG00000012928	7.07E-11	7.64E-11	PPP4C	9.26E-01
ENSBTAG00000024884	1.35E-10	1.45E-10	C25H16orf59	9.29E-01
ENSBTAG000000047781	8.06E-10	8.70E-10		9.27E-01
ENSBTAG00000020387	2.77E-10	2.99E-10	KIAA0430	9.28E-01
ENSBTAG00000020898	1.79E-10	1.91E-10	CHST12	9.35E-01
ENSBTAG000000007900	4.50E-10	4.81E-10	FIS1	9.35E-01
ENSBTAG000000046014	2.12E-10	2.26E-10	GPR146	9.38E-01
ENSBTAG00000019249	3.58E-10	3.82E-10	HS3ST6	9.38E-01
ENSBTAG00000016331	1.85E-10	1.97E-10	ROGDI	9.38E-01
ENSBTAG00000015986	5.03E-10	5.36E-10	NDE1	9.39E-01
ENSBTAG000000002178	4.32E-10	4.57E-10	PPL	9.46E-01
ENSBTAG00000020109	1.43E-10	1.51E-10	TRAP1	9.49E-01
ENSBTAG000000034643	3.57E-10	3.75E-10		9.51E-01
ENSBTAG00000019920	1.30E-10	1.37E-10	BICDL2	9.52E-01
ENSBTAG00000019435	3.25E-10	3.41E-10		9.52E-01
ENSBTAG00000003191	3.64E-10	3.82E-10	FSCN1	9.53E-01
ENSBTAG000000032223	6.67E-10	6.99E-10	COG7	9.54E-01
ENSBTAG000000031806	1.13E-10	1.18E-10		9.56E-01
ENSBTAG000000004502	2.43E-10	2.53E-10	CLUAP1	9.59E-01
ENSBTAG000000020184	2.83E-10	2.95E-10	AQP8	9.58E-01
ENSBTAG000000038115	2.22E-10	2.31E-10	FLYWCH2	9.63E-01
ENSBTAG000000026381	4.19E-10	4.35E-10	TMEM114	9.63E-01
ENSBTAG000000040438	1.07E-09	1.12E-09		9.59E-01
ENSBTAG00000019745	3.21E-10	3.31E-10	LMF1	9.69E-01
ENSBTAG00000011744	5.02E-10	5.19E-10	USP31	9.68E-01
ENSBTAG000000026403	1.78E-10	1.84E-10	CREBBP	9.70E-01
ENSBTAG000000039782	1.91E-10	1.97E-10	ZNF12	9.71E-01
ENSBTAG00000010309	1.15E-10	1.17E-10	XPO6	9.81E-01
ENSBTAG000000019596	6.48E-10	6.59E-10	GPRC5B	9.83E-01
ENSBTAG000000021522	4.07E-10	4.14E-10	PLA2G10	9.84E-01
ENSBTAG00000018050	1.88E-10	1.90E-10	CDR2	9.91E-01
ENSBTAG00000004804	1.40E-10	1.42E-10	RRN3	9.84E-01
ENSBTAG000000044092	4.05E-10	4.09E-10	IQCK	9.91E-01
ENSBTAG000000038921	3.57E-10	3.60E-10		9.92E-01
ENSBTAG000000032503	2.56E-10	2.58E-10	ITPRIPL2	9.94E-01
ENSBTAG000000008632	6.07E-10	6.11E-10		9.93E-01
ENSBTAG00000010339	1.71E-10	1.72E-10	ABHD11	9.92E-01
ENSBTAG000000026415	3.28E-10	3.30E-10	MRPS34	9.93E-01
ENSBTAG00000001404	4.95E-10	4.97E-10	CACNG3	9.95E-01
ENSBTAG000000021651	7.91E-10	7.96E-10	UQCRC2	9.94E-01
ENSBTAG00000015009	1.24E-10	1.24E-10	LAMTOR4	9.96E-01
ENSBTAG000000003842	1.08E-10	1.08E-10	RABGEF1	1.00E+00
ENSBTAG000000007880	2.35E-10	2.35E-10	RAB40C	1.00E+00
ENSBTAG000000020157	1.02E-09	1.02E-09		9.98E-01
ENSBTAG00000017435	2.19E-10	2.17E-10	KCTD7	1.01E+00
ENSBTAG00000008195	6.90E-10	6.81E-10	PHKG1	1.01E+00
ENSBTAG000000040394	3.82E-10	3.75E-10	PRSS27	1.02E+00
ENSBTAG000000047673	4.44E-10	4.37E-10	THUMPD1	1.02E+00
ENSBTAG000000002097	3.21E-10	3.16E-10	TMC5	1.02E+00
ENSBTAG000000004051	6.77E-10	6.62E-10	SBDS	1.02E+00
ENSBTAG000000034436	5.24E-10	5.12E-10	PDPK1	1.02E+00

ENSBTAG0000008222	1.02E-09	9.93E-10		1.02E+00
ENSBTAG00000043969	2.46E-10	2.40E-10	CALN1	1.03E+00
ENSBTAG00000006447	5.62E-10	5.47E-10	ACSM3	1.03E+00
ENSBTAG00000009969	2.00E-10	1.95E-10	RNPS1	1.03E+00
ENSBTAG00000003577	1.89E-10	1.83E-10	GSPT1	1.03E+00
ENSBTAG00000047767	1.32E-09	1.27E-09		1.04E+00
ENSBTAG00000001022	2.09E-10	2.01E-10	AMDHD2	1.04E+00
ENSBTAG00000026192	1.96E-10	1.87E-10	C7orf50	1.05E+00
ENSBTAG00000012290	2.34E-10	2.24E-10	SCNN1B	1.04E+00
ENSBTAG00000017067	2.38E-10	2.27E-10	WBSCR22	1.05E+00
ENSBTAG00000003467	5.77E-10	5.50E-10	SLC5A11	1.05E+00
ENSBTAG00000004801	1.90E-10	1.81E-10	PDXDC1	1.05E+00
ENSBTAG00000006591	2.27E-10	2.16E-10	CCNF	1.05E+00
ENSBTAG00000018870	2.56E-10	2.43E-10	OTOA	1.05E+00
ENSBTAG00000009199	1.48E-10	1.40E-10	GLIS2	1.06E+00
ENSBTAG00000020742	1.85E-10	1.75E-10	FZD9	1.06E+00
ENSBTAG00000009965	5.79E-10	5.48E-10	ECI1	1.06E+00
ENSBTAG00000006542	1.34E-10	1.26E-10	RABEP2	1.06E+00
ENSBTAG00000006590	2.56E-10	2.42E-10	NUDT16L1	1.06E+00
ENSBTAG00000048253	2.33E-10	2.20E-10		1.06E+00
ENSBTAG000000031789	9.03E-11	8.53E-11	FBR5	1.06E+00
ENSBTAG00000002481	1.37E-10	1.29E-10	HAGHL	1.06E+00
ENSBTAG00000026248	2.93E-10	2.77E-10	POP7	1.06E+00
ENSBTAG000000046132	3.28E-10	3.10E-10		1.06E+00
ENSBTAG00000018869	1.41E-10	1.33E-10	IGSF6	1.06E+00
ENSBTAG00000020107	2.08E-10	1.96E-10	DNASE1	1.06E+00
ENSBTAG00000003305	3.48E-10	3.27E-10	NCF1	1.06E+00
ENSBTAG00000018868	1.17E-10	1.09E-10	METTL9	1.07E+00
ENSBTAG00000015988	6.54E-10	6.12E-10	MYH11	1.07E+00
ENSBTAG00000018938	2.72E-10	2.55E-10	C16orf5	1.07E+00
ENSBTAG000000031598	5.82E-10	5.43E-10	GBAS	1.07E+00
ENSBTAG000000005679	6.55E-10	6.11E-10	TMEM130	1.07E+00
ENSBTAG000000004509	8.43E-11	7.83E-11	SLX4	1.08E+00
ENSBTAG00000018560	8.09E-10	7.50E-10	DNAH3	1.08E+00
ENSBTAG00000005455	2.81E-10	2.59E-10	USP7	1.08E+00
ENSBTAG00000007896	3.86E-10	3.56E-10	NAGPA	1.08E+00
ENSBTAG00000010015	5.18E-10	4.76E-10	NMRAL1	1.09E+00
ENSBTAG00000020043	3.84E-10	3.51E-10	ARHGAP17	1.09E+00
ENSBTAG00000018937	2.01E-10	1.83E-10	HMOX2	1.10E+00
ENSBTAG00000017662	3.74E-10	3.41E-10	EEF2K	1.10E+00
ENSBTAG00000005934	5.23E-10	4.77E-10	TTYH3	1.10E+00
ENSBTAG00000019181	4.69E-10	4.27E-10	BAIAP2L1	1.10E+00
ENSBTAG00000000390	2.36E-10	2.14E-10	TPST1	1.10E+00
ENSBTAG000000032122	2.49E-10	2.27E-10	CD19	1.10E+00
ENSBTAG00000016571	2.47E-10	2.24E-10		1.10E+00
ENSBTAG00000046498	1.96E-10	1.78E-10		1.10E+00
ENSBTAG00000026307	2.24E-10	2.03E-10	ZNF629	1.11E+00
ENSBTAG00000006239	3.98E-10	3.59E-10		1.11E+00
ENSBTAG00000016594	2.08E-10	1.87E-10	PIGQ	1.11E+00
ENSBTAG00000032884	3.74E-10	3.36E-10	Tnp2	1.11E+00
ENSBTAG00000020535	4.32E-10	3.88E-10		1.11E+00
ENSBTAG00000004505	1.41E-10	1.27E-10	NLRC3	1.11E+00
ENSBTAG00000046326	6.10E-10	5.48E-10		1.11E+00
ENSBTAG00000000345	5.66E-10	5.06E-10	CLDN15	1.12E+00
ENSBTAG00000001606	1.23E-09	1.11E-09	OR2C1	1.11E+00
ENSBTAG00000009153	2.18E-10	1.94E-10	MLXIPL	1.12E+00
ENSBTAG00000008175	3.59E-10	3.20E-10	ZNF713	1.12E+00
ENSBTAG00000005908	4.24E-10	3.77E-10		1.12E+00
ENSBTAG00000007887	2.11E-10	1.86E-10	GRIN2A	1.13E+00
ENSBTAG00000003446	6.02E-10	5.31E-10	EPHB4	1.13E+00
ENSBTAG00000021521	6.35E-10	5.60E-10	BFAR	1.13E+00
ENSBTAG00000003432	4.31E-10	3.80E-10	ZAN	1.13E+00
ENSBTAG000000009547	7.36E-10	6.49E-10	ZDHC4	1.13E+00
ENSBTAG00000020051	8.02E-10	7.05E-10	C16orf82	1.14E+00
ENSBTAG00000002346	3.07E-10	2.67E-10	HSD3B7	1.15E+00
ENSBTAG00000002176	3.95E-10	3.42E-10	NSMCE1	1.15E+00
ENSBTAG00000001417	5.63E-10	4.87E-10	ACSM1	1.16E+00
ENSBTAG00000014503	3.48E-10	2.98E-10	IQCE	1.17E+00
ENSBTAG00000017759	7.30E-10	6.24E-10		1.17E+00
ENSBTAG00000045896	5.72E-10	4.89E-10	NPTX2	1.17E+00

ENSBTAG00000010264	5.14E-10	4.39E-10	FBXL18	1.17E+00
ENSBTAG00000011504	3.90E-10	3.33E-10	ZP2	1.17E+00
ENSBTAG00000044040	4.47E-10	3.80E-10	PDAP1	1.18E+00
ENSBTAG00000009560	2.39E-10	2.02E-10	NUBP1	1.18E+00
ENSBTAG00000012201	8.94E-10	7.58E-10		1.18E+00
ENSBTAG00000007113	5.34E-10	4.52E-10	TRRAP	1.18E+00
ENSBTAG00000008718	5.77E-10	4.88E-10	WBSCR17	1.18E+00
ENSBTAG00000018094	1.16E-10	9.70E-11	ZNF689	1.19E+00
ENSBTAG00000001614	2.61E-10	2.19E-10	ZNF174	1.19E+00
ENSBTAG000000047266	6.86E-10	5.75E-10		1.19E+00
ENSBTAG00000017075	1.25E-10	1.05E-10	STX1A	1.19E+00
ENSBTAG00000026325	1.78E-10	1.49E-10	ZG16	1.19E+00
ENSBTAG00000010521	7.10E-10	5.95E-10	PVRIG	1.19E+00
ENSBTAG00000040319	7.75E-10	6.50E-10		1.19E+00
ENSBTAG00000046943	1.16E-10	9.74E-11		1.19E+00
ENSBTAG00000008728	1.74E-10	1.45E-10	MKL2	1.20E+00
ENSBTAG00000005622	2.29E-10	1.91E-10	LITAF	1.20E+00
ENSBTAG00000046248	3.65E-10	3.04E-10	ARPC1B	1.20E+00
ENSBTAG00000013917	1.52E-10	1.25E-10		1.22E+00
ENSBTAG00000004607	4.66E-10	3.84E-10	GSG1L	1.21E+00
ENSBTAG00000002189	5.66E-10	4.66E-10		1.21E+00
ENSBTAG00000012541	6.26E-10	5.15E-10	CHP2	1.22E+00
ENSBTAG00000001731	1.03E-10	8.44E-11	GLYR1	1.22E+00
ENSBTAG00000013169	2.94E-10	2.40E-10	LCMT1	1.22E+00
ENSBTAG000000009201	2.29E-10	1.87E-10		1.22E+00
ENSBTAG00000002477	1.02E-09	8.30E-10	MRM2	1.23E+00
ENSBTAG00000020582	3.24E-10	2.63E-10	PRSS22	1.23E+00
ENSBTAG00000038568	7.34E-10	5.97E-10		1.23E+00
ENSBTAG000000007210	3.09E-10	2.51E-10	RBFOX1	1.23E+00
ENSBTAG00000020440	2.20E-10	1.78E-10		1.23E+00
ENSBTAG00000016591	2.79E-10	2.25E-10	RAB11FIP3	1.24E+00
ENSBTAG00000015253	1.61E-10	1.29E-10	COX19	1.25E+00
ENSBTAG00000037449	7.15E-10	5.72E-10	ACSM5	1.25E+00
ENSBTAG00000014502	4.11E-10	3.29E-10	BRAT1	1.25E+00
ENSBTAG00000047264	5.01E-10	4.00E-10		1.25E+00
ENSBTAG000000007142	8.67E-10	6.93E-10	CPPED1	1.25E+00
ENSBTAG00000010013	3.52E-10	2.81E-10	DNAJA3	1.25E+00
ENSBTAG00000015952	2.92E-10	2.32E-10	ADAP1	1.26E+00
ENSBTAG00000046840	6.89E-10	5.47E-10	DEXI	1.26E+00
ENSBTAG000000000704	3.71E-10	2.92E-10	GUSB	1.27E+00
ENSBTAG00000037397	1.57E-10	1.24E-10	PRSS36	1.27E+00
ENSBTAG00000004035	5.12E-10	4.03E-10	SDK1	1.27E+00
ENSBTAG00000046339	2.46E-10	1.93E-10	VASN	1.27E+00
ENSBTAG00000046399	2.76E-10	2.18E-10		1.27E+00
ENSBTAG00000018999	2.84E-10	2.22E-10		1.28E+00
ENSBTAG00000019008	1.84E-10	1.44E-10	FBXL16	1.28E+00
ENSBTAG00000001736	1.73E-10	1.35E-10	UBN1	1.28E+00
ENSBTAG00000011692	6.57E-10	5.08E-10	C16orf45	1.29E+00
ENSBTAG00000009327	7.99E-10	6.12E-10	14-Sep	1.30E+00
ENSBTAG00000007118	5.96E-10	4.55E-10	SMURF1	1.31E+00
ENSBTAG00000014823	7.50E-10	5.74E-10	TXNDC11	1.31E+00
ENSBTAG000000007772	2.18E-10	1.66E-10	SLC29A4	1.31E+00
ENSBTAG00000026371	8.54E-10	6.51E-10	SNX29	1.31E+00
ENSBTAG00000010496	5.58E-10	4.24E-10	STAG3	1.32E+00
ENSBTAG00000016590	1.30E-10	9.80E-11	NME4	1.32E+00
ENSBTAG00000045593	2.24E-10	1.70E-10	EARS2	1.32E+00
ENSBTAG00000030757	1.70E-10	1.29E-10	ELFN1	1.32E+00
ENSBTAG00000016568	1.39E-10	1.05E-10	LUC7L	1.33E+00
ENSBTAG00000019219	1.37E-10	1.04E-10	SH2B1	1.32E+00
ENSBTAG00000016592	7.29E-11	5.51E-11	CAPN15	1.32E+00
ENSBTAG00000001139	1.82E-10	1.37E-10	ACHE	1.33E+00
ENSBTAG00000010904	5.44E-11	4.11E-11		1.32E+00
ENSBTAG000000007372	3.24E-10	2.45E-10	ANKRD61	1.32E+00
ENSBTAG00000003421	1.10E-10	8.30E-11	RNF40	1.32E+00
ENSBTAG00000018097	4.83E-10	3.64E-10	PARN	1.33E+00
ENSBTAG00000017871	6.98E-10	5.27E-10	GNA12	1.32E+00
ENSBTAG000000000728	1.98E-10	1.50E-10	ZNF597	1.32E+00
ENSBTAG00000047572	1.51E-10	1.14E-10	ZNF789	1.33E+00
ENSBTAG00000037400	2.78E-10	2.09E-10	TNRC18	1.33E+00
ENSBTAG00000018044	3.14E-10	2.36E-10	POLR3E	1.33E+00

ENSBTAG00000007370	2.71E-10	2.03E-10	EIF2AK1	1.34E+00
ENSBTAG00000014456	5.55E-10	4.11E-10	ERN2	1.35E+00
ENSBTAG00000000343	6.60E-10	4.88E-10	ZNHIT1	1.35E+00
ENSBTAG00000015737	9.98E-10	7.33E-10	KPNA7	1.36E+00
ENSBTAG00000016553	3.48E-10	2.56E-10	EME2	1.36E+00
ENSBTAG00000017999	1.67E-10	1.22E-10	TNRC6A	1.37E+00
ENSBTAG00000014468	3.23E-10	2.36E-10	AP1S1	1.37E+00
ENSBTAG00000016564	2.45E-10	1.78E-10	NPRL3	1.38E+00
ENSBTAG00000016424	3.23E-10	2.34E-10	MMP25	1.38E+00
ENSBTAG00000045857	1.13E-10	8.10E-11	MCRIP2	1.39E+00
ENSBTAG00000002391	9.33E-11	6.72E-11	TGFB1I1	1.39E+00
ENSBTAG00000033299	3.13E-10	2.25E-10	IGFALS	1.39E+00
ENSBTAG00000017701	1.39E-10	1.00E-10	CYP2W1	1.39E+00
ENSBTAG000000031765	9.70E-11	6.98E-11	CCDC189	1.39E+00
ENSBTAG00000019412	7.03E-10	5.06E-10	C16orf62	1.39E+00
ENSBTAG00000021222	6.84E-11	4.93E-11	ZNF771	1.39E+00
ENSBTAG000000008633	5.15E-10	3.70E-10		1.39E+00
ENSBTAG00000010659	4.14E-10	2.94E-10	CUX1	1.41E+00
ENSBTAG00000006448	2.96E-10	2.10E-10	ERI2	1.41E+00
ENSBTAG00000007474	2.48E-10	1.76E-10	EIF3B	1.41E+00
ENSBTAG000000020735	1.82E-10	1.29E-10	SMG1	1.41E+00
ENSBTAG000000002737	2.91E-10	2.04E-10	WFIKKN1	1.43E+00
ENSBTAG00000005208	3.85E-10	2.69E-10	CLEC16A	1.43E+00
ENSBTAG00000015017	4.21E-10	2.92E-10	GAL3ST4	1.44E+00
ENSBTAG000000007177	8.49E-10	5.86E-10	EMP2	1.45E+00
ENSBTAG000000002474	6.20E-10	4.26E-10	MAD1L1	1.45E+00
ENSBTAG00000037462	1.71E-09	1.17E-09		1.46E+00
ENSBTAG00000015738	4.05E-10	2.78E-10	GIGYF1	1.46E+00
ENSBTAG000000020439	2.27E-10	1.56E-10	BUD31	1.46E+00
ENSBTAG000000032087	1.81E-10	1.23E-10	ATXN2L	1.47E+00
ENSBTAG000000026461	5.22E-10	3.57E-10	CACNA1H	1.46E+00
ENSBTAG000000002083	7.64E-10	5.22E-10	AUTS2	1.46E+00
ENSBTAG000000037945	2.86E-10	1.95E-10	CASKIN1	1.47E+00
ENSBTAG00000006457	3.06E-10	2.07E-10	AHSP	1.48E+00
ENSBTAG00000013708	7.90E-10	5.34E-10	SNX8	1.48E+00
ENSBTAG00000019357	4.43E-10	2.97E-10	ZNF688	1.49E+00
ENSBTAG000000026429	1.97E-10	1.30E-10	DEC2	1.51E+00
ENSBTAG00000000781	2.99E-10	1.96E-10	HIP1	1.53E+00
ENSBTAG00000007890	3.04E-10	1.98E-10	SEC14L5	1.53E+00
ENSBTAG000000003049	3.45E-10	2.25E-10	MICALL2	1.53E+00
ENSBTAG00000014698	4.31E-10	2.80E-10	CARD11	1.54E+00
ENSBTAG00000006129	7.09E-10	4.61E-10	KIAA0556	1.54E+00
ENSBTAG00000017175	1.98E-10	1.28E-10	RNF216	1.54E+00
ENSBTAG000000047808	5.70E-10	3.68E-10		1.55E+00
ENSBTAG00000019517	4.84E-10	3.12E-10	ELN	1.55E+00
ENSBTAG00000005197	1.80E-10	1.16E-10	BAZ1B	1.56E+00
ENSBTAG00000005448	3.38E-10	2.17E-10		1.56E+00
ENSBTAG00000016577	3.20E-10	2.06E-10	AXIN1	1.55E+00
ENSBTAG000000047368	2.38E-09	1.51E-09		1.57E+00
ENSBTAG00000021913	7.04E-10	4.46E-10	MMD2	1.58E+00
ENSBTAG00000016552	1.38E-10	8.70E-11	NME3	1.59E+00
ENSBTAG000000035915	8.41E-10	5.31E-10		1.58E+00
ENSBTAG000000008412	1.43E-10	9.03E-11		1.59E+00
ENSBTAG00000014453	2.33E-10	1.47E-10	PLK1	1.59E+00
ENSBTAG000000009780	2.84E-10	1.79E-10	GTF2I	1.58E+00
ENSBTAG00000012927	3.47E-11	2.19E-11	ALDOA	1.58E+00
ENSBTAG00000037566	8.66E-11	5.45E-11	ZNF500	1.59E+00
ENSBTAG00000017284	9.81E-11	6.18E-11	RHBDL1	1.59E+00
ENSBTAG00000009099	1.62E-10	1.02E-10	PRR14	1.59E+00
ENSBTAG00000019530	3.04E-10	1.91E-10	KDM8	1.59E+00
ENSBTAG00000026199	3.37E-10	2.12E-10	ACTB	1.59E+00
ENSBTAG00000021218	6.65E-11	4.19E-11	MYLPF	1.59E+00
ENSBTAG00000020737	1.88E-10	1.18E-10	SOX8	1.59E+00
ENSBTAG00000009046	4.08E-11	2.57E-11	TBX6	1.58E+00
ENSBTAG00000048251	4.00E-10	2.51E-10	NHLRC4	1.59E+00
ENSBTAG00000004242	3.90E-10	2.45E-10	ARPC1A	1.59E+00
ENSBTAG00000000050	1.90E-10	1.20E-10	PSMG3	1.58E+00
ENSBTAG00000033739	2.48E-10	1.56E-10	PRR35	1.59E+00
ENSBTAG00000046517	6.08E-10	3.82E-10		1.59E+00
ENSBTAG00000009691	5.10E-10	3.21E-10	SH2B2	1.59E+00



ENSBTAG00000017941	2.02E-10	1.27E-10	NSUN5	1.59E+00
ENSBTAG00000014101	6.73E-10	4.23E-10	TSR3	1.59E+00
ENSBTAG00000011753	2.45E-10	1.52E-10	RCC1L	1.61E+00
ENSBTAG00000038978	2.48E-10	1.53E-10		1.62E+00
ENSBTAG00000038866	4.80E-10	2.94E-10	UBE2I	1.63E+00
ENSBTAG00000009441	2.79E-10	1.71E-10	RBBP6	1.63E+00
ENSBTAG00000020921	4.76E-10	2.90E-10	PRKCB	1.64E+00
ENSBTAG0000001503	6.14E-10	3.73E-10	TRIM72	1.65E+00
ENSBTAG00000026422	3.06E-10	1.85E-10	MPG	1.65E+00
ENSBTAG00000009233	4.46E-10	2.69E-10	RAC1	1.66E+00
ENSBTAG00000019524	7.26E-10	4.37E-10	ITGAD	1.66E+00
ENSBTAG00000046033	2.99E-10	1.80E-10	UBFD1	1.66E+00
ENSBTAG00000009200	2.59E-10	1.54E-10	PAM16	1.68E+00
ENSBTAG00000047734	3.33E-10	1.98E-10	C16orf58	1.68E+00
ENSBTAG00000014118	8.99E-10	5.36E-10	GNPTG	1.68E+00
ENSBTAG00000032640	1.49E-10	8.81E-11	FOPNL	1.69E+00
ENSBTAG00000009236	4.19E-10	2.48E-10	DAGLB	1.69E+00
ENSBTAG00000048140	4.70E-10	2.77E-10	DNAAF5	1.70E+00
ENSBTAG0000001602	4.24E-10	2.50E-10	IL4R	1.70E+00
ENSBTAG00000003417	1.33E-10	7.80E-11	PHKG2	1.70E+00
ENSBTAG00000008869	2.26E-10	1.33E-10	GPC2	1.70E+00
ENSBTAG00000003617	3.09E-10	1.80E-10	ALKBH4	1.71E+00
ENSBTAG00000003953	4.08E-10	2.36E-10	ZNF316	1.73E+00
ENSBTAG00000018562	3.52E-10	2.03E-10	TMEM159	1.73E+00
ENSBTAG00000014448	3.23E-10	1.85E-10		1.75E+00
ENSBTAG00000016629	1.01E-10	5.78E-11	ADCY9	1.75E+00
ENSBTAG00000018082	5.93E-10	3.37E-10		1.76E+00
ENSBTAG00000019103	2.12E-09	1.20E-09		1.77E+00
ENSBTAG00000015191	3.38E-10	1.92E-10	ABCC6	1.76E+00
ENSBTAG00000014126	1.04E-09	5.89E-10		1.77E+00
ENSBTAG00000006212	8.00E-10	4.52E-10	GTF2IRD1	1.77E+00
ENSBTAG00000004038	1.88E-10	1.06E-10	ABAT	1.77E+00
ENSBTAG00000044083	7.33E-10	4.12E-10	LIMK1	1.78E+00
ENSBTAG00000016883	1.15E-10	6.42E-11		1.78E+00
ENSBTAG00000026394	1.46E-10	8.19E-11	UBALD1	1.79E+00
ENSBTAG00000001131	4.04E-10	2.26E-10	SLC12A9	1.79E+00
ENSBTAG00000001134	3.44E-10	1.90E-10	SRRT	1.81E+00
ENSBTAG00000004135	2.93E-10	1.61E-10	LMTK2	1.82E+00
ENSBTAG00000019216	3.32E-10	1.83E-10	TUFM	1.81E+00
ENSBTAG00000016505	4.25E-10	2.32E-10	TMC7	1.83E+00
ENSBTAG00000019006	1.11E-10	6.01E-11	WDR24	1.85E+00
ENSBTAG00000006543	1.42E-10	7.67E-11		1.85E+00
ENSBTAG00000046965	3.65E-10	1.97E-10		1.85E+00
ENSBTAG00000038577	3.38E-10	1.82E-10		1.86E+00
ENSBTAG00000007523	1.98E-10	1.07E-10	STX4	1.85E+00
ENSBTAG00000026286	3.45E-10	1.85E-10		1.86E+00
ENSBTAG00000009461	6.52E-10	3.47E-10	STYXL1	1.88E+00
ENSBTAG00000047379	5.68E-10	3.02E-10		1.88E+00
ENSBTAG00000002374	2.91E-10	1.55E-10	ARMC5	1.88E+00
ENSBTAG00000014834	4.78E-10	2.54E-10		1.88E+00
ENSBTAG00000016244	8.32E-10	4.39E-10	VWA3A	1.89E+00
ENSBTAG00000033677	1.74E-10	9.18E-11	WDR90	1.89E+00
ENSBTAG00000026375	4.74E-10	2.50E-10	RMI2	1.90E+00
ENSBTAG00000004077	3.97E-10	2.08E-10	YWHAG	1.91E+00
ENSBTAG00000007879	5.96E-10	3.12E-10	SRRM3	1.91E+00
ENSBTAG00000006717	6.86E-10	3.59E-10		1.91E+00
ENSBTAG00000040361	2.79E-10	1.45E-10	LFNG	1.92E+00
ENSBTAG00000031247	5.05E-10	2.61E-10		1.94E+00
ENSBTAG00000047125	6.49E-10	3.34E-10		1.94E+00
ENSBTAG00000018015	3.24E-10	1.67E-10	IL27	1.94E+00
ENSBTAG00000005523	3.88E-10	1.99E-10	XYLT1	1.95E+00
ENSBTAG00000030690	5.15E-10	2.64E-10	RADIL	1.95E+00
ENSBTAG00000018589	5.34E-10	2.73E-10	RFC2	1.96E+00
ENSBTAG00000020544	2.40E-10	1.22E-10	BCL7B	1.97E+00
ENSBTAG00000000342	4.87E-10	2.47E-10	PLOD3	1.97E+00
ENSBTAG00000021773	3.76E-10	1.90E-10	ERCC4	1.98E+00
ENSBTAG00000005031	7.48E-11	3.77E-11	DOC2A	1.98E+00
ENSBTAG00000019303	3.37E-10	1.70E-10	MAFK	1.98E+00
ENSBTAG00000006541	2.27E-10	1.15E-10	ATP2A1	1.98E+00
ENSBTAG00000001138	4.06E-10	2.04E-10	UFSP1	1.99E+00

ENSBTAG00000001415	1.49E-10	7.52E-11	THOC6	1.98E+00
ENSBTAG00000002094	1.61E-10	8.10E-11	ATP5J2	1.98E+00
ENSBTAG000000018559	3.52E-10	1.75E-10	LYRM1	2.01E+00
ENSBTAG000000021248	2.79E-10	1.38E-10	C7orf26	2.02E+00
ENSBTAG000000040568	2.98E-10	1.46E-10		2.04E+00
ENSBTAG000000014343	6.81E-10	3.33E-10	IFT22	2.04E+00
ENSBTAG000000008295	2.92E-10	1.43E-10	ACTL6B	2.04E+00
ENSBTAG000000013669	7.19E-11	3.48E-11	KIF22	2.06E+00
ENSBTAG000000024772	2.78E-10	1.34E-10	TRIP6	2.07E+00
ENSBTAG000000016520	5.76E-10	2.78E-10		2.07E+00
ENSBTAG000000014742	2.77E-10	1.33E-10	LRWD1	2.08E+00
ENSBTAG000000011470	5.13E-10	2.45E-10		2.09E+00
ENSBTAG000000000321	2.49E-10	1.17E-10	TBL2	2.13E+00
ENSBTAG000000004551	1.35E-10	6.39E-11	RHOT2	2.12E+00
ENSBTAG000000003160	4.83E-10	2.25E-10	LRCH4	2.15E+00
ENSBTAG000000005450	3.70E-10	1.72E-10		2.15E+00
ENSBTAG000000047249	5.00E-10	2.30E-10	EIF4H	2.17E+00
ENSBTAG000000006449	2.68E-10	1.23E-10		2.18E+00
ENSBTAG000000040295	3.16E-10	1.44E-10	CHCHD2	2.19E+00
ENSBTAG000000047448	4.28E-10	1.92E-10	C16orf54	2.23E+00
ENSBTAG000000016561	4.40E-10	1.98E-10	NUBP2	2.22E+00
ENSBTAG000000007364	2.12E-10	9.55E-11	PMS2	2.22E+00
ENSBTAG000000019805	2.15E-10	9.56E-11	RHBDF1	2.24E+00
ENSBTAG000000040555	2.86E-10	1.27E-10	FBXL19	2.25E+00
ENSBTAG0000000019310	4.80E-10	2.12E-10	FOXK1	2.26E+00
ENSBTAG000000010096	5.06E-10	2.22E-10	SLC5A2	2.28E+00
ENSBTAG000000009462	9.09E-10	3.99E-10	MDH2	2.28E+00
ENSBTAG000000005798	2.55E-10	1.11E-10		2.29E+00
ENSBTAG000000004803	1.48E-10	6.43E-11	NTAN1	2.29E+00
ENSBTAG000000007367	2.63E-10	1.14E-10	AIMP2	2.30E+00
ENSBTAG000000026236	5.57E-10	2.41E-10	AZGP1	2.31E+00
ENSBTAG0000000032260	2.69E-10	1.15E-10	DCUN1D3	2.34E+00
ENSBTAG0000000010524	1.17E-10	4.90E-11	BCKDK	2.38E+00
ENSBTAG000000003020	2.88E-10	1.21E-10	SSC4D	2.38E+00
ENSBTAG000000047316	3.10E-10	1.30E-10		2.38E+00
ENSBTAG000000004727	2.12E-10	8.88E-11	PAQR4	2.38E+00
ENSBTAG000000016558	2.65E-10	1.11E-10	SPSB3	2.39E+00
ENSBTAG000000037549	3.58E-10	1.50E-10	MBLAC1	2.38E+00
ENSBTAG000000020733	2.11E-10	8.86E-11		2.38E+00
ENSBTAG0000000012038	4.35E-10	1.82E-10	TRIM56	2.39E+00
ENSBTAG000000014465	5.05E-10	2.12E-10	SERPINE1	2.38E+00
ENSBTAG000000020524	4.77E-10	2.00E-10		2.39E+00
ENSBTAG000000007952	1.26E-10	5.27E-11	MVP	2.38E+00
ENSBTAG000000045680	9.60E-10	4.01E-10		2.39E+00
ENSBTAG000000047238	3.69E-10	1.54E-10	ITGAM	2.40E+00
ENSBTAG000000017391	2.59E-10	1.08E-10	HS3ST2	2.40E+00
ENSBTAG000000002480	1.10E-09	4.54E-10	NUDT1	2.43E+00
ENSBTAG000000012683	1.43E-10	5.79E-11	SRRM2	2.46E+00
ENSBTAG000000017422	1.21E-10	4.87E-11	TAOK2	2.48E+00
ENSBTAG000000026191	2.61E-10	1.05E-10	GET4	2.49E+00
ENSBTAG000000001066	6.71E-10	2.69E-10		2.50E+00
ENSBTAG0000000013479	3.70E-10	1.48E-10	SLC9A3R2	2.50E+00
ENSBTAG000000005148	4.67E-10	1.85E-10	PTX4	2.52E+00
ENSBTAG000000037489	4.72E-10	1.87E-10	CRCP	2.52E+00
ENSBTAG000000020617	2.41E-10	9.55E-11	TSC2	2.53E+00
ENSBTAG000000016190	4.63E-10	1.83E-10	ZNF394	2.53E+00
ENSBTAG000000007558	3.99E-10	1.58E-10	IL9R	2.52E+00
ENSBTAG000000039512	2.00E-10	7.85E-11	ZSCAN25	2.54E+00
ENSBTAG000000009536	2.64E-10	1.02E-10	RNF151	2.59E+00
ENSBTAG000000020649	7.87E-10	3.02E-10	CIITA	2.60E+00
ENSBTAG000000015011	2.29E-10	8.63E-11	C7orf43	2.65E+00
ENSBTAG000000002871	2.97E-10	1.12E-10	COPS6	2.65E+00
ENSBTAG0000000030951	1.68E-10	6.35E-11		2.65E+00
ENSBTAG000000013305	7.55E-10	2.83E-10		2.67E+00
ENSBTAG000000017456	2.29E-10	8.49E-11	NYAP1	2.70E+00
ENSBTAG000000014588	5.54E-10	2.04E-10	RSL1D1	2.72E+00
ENSBTAG000000001441	2.23E-10	8.14E-11	CARHSP1	2.73E+00
ENSBTAG000000019073	2.36E-10	8.60E-11	TRAF7	2.74E+00
ENSBTAG000000006391	2.86E-10	1.04E-10	NDUFAB1	2.75E+00
ENSBTAG000000008631	1.06E-10	3.80E-11	CORO1A	2.78E+00

ENSBTAG00000032140	1.48E-10	5.34E-11	SBK1	2.78E+00
ENSBTAG00000006272	3.03E-10	1.09E-10	NTHL1	2.78E+00
ENSBTAG00000014903	5.66E-10	2.03E-10	ABCA3	2.79E+00
ENSBTAG00000021652	5.20E-10	1.85E-10	PDZD9	2.81E+00
ENSBTAG00000031852	1.49E-10	5.21E-11	TBC1D10B	2.86E+00
ENSBTAG00000012049	6.22E-10	2.18E-10	WIPI2	2.85E+00
ENSBTAG00000001440	3.13E-10	1.10E-10	PMM2	2.85E+00
ENSBTAG00000016574	6.39E-10	2.23E-10	RGS11	2.86E+00
ENSBTAG00000007245	4.50E-10	1.55E-10	IFT140	2.90E+00
ENSBTAG000000039720	2.28E-10	7.81E-11		2.91E+00
ENSBTAG00000002188	6.07E-10	2.09E-10	C16orf89	2.91E+00
ENSBTAG00000013081	5.36E-10	1.82E-10	PSPH	2.94E+00
ENSBTAG00000012050	3.16E-10	1.08E-10	ORAI2	2.92E+00
ENSBTAG00000007246	5.09E-10	1.72E-10	TMEM204	2.96E+00
ENSBTAG00000011818	6.01E-10	2.02E-10	COL26A1	2.97E+00
ENSBTAG00000010198	3.02E-10	1.01E-10	ATF7IP2	2.99E+00
ENSBTAG00000003308	5.73E-10	1.90E-10	GRID2IP	3.02E+00
ENSBTAG00000007934	3.72E-10	1.23E-10		3.02E+00
ENSBTAG00000008188	5.79E-10	1.91E-10	C16orf52	3.03E+00
ENSBTAG00000038074	2.82E-10	9.26E-11	GJC3	3.05E+00
ENSBTAG00000002209	4.56E-10	1.47E-10	HN1L	3.10E+00
ENSBTAG00000002090	2.61E-10	8.41E-11	CPSF4	3.10E+00
ENSBTAG00000021242	1.17E-09	3.78E-10	COQ7	3.10E+00
ENSBTAG00000020619	4.46E-10	1.44E-10	PKD1	3.10E+00
ENSBTAG000000017939	2.14E-10	6.90E-11		3.10E+00
ENSBTAG00000002202	4.93E-10	1.57E-10	CRAMP1	3.14E+00
ENSBTAG00000019803	1.20E-10	3.78E-11	POLR3K	3.17E+00
ENSBTAG00000012082	2.25E-10	7.07E-11	TNFRSF12A	3.17E+00
ENSBTAG00000015982	7.42E-11	2.34E-11	KCTD13	3.16E+00
ENSBTAG00000000611	1.85E-10	5.81E-11	C16orf90	3.18E+00
ENSBTAG00000022535	4.17E-10	1.31E-10	GPR139	3.18E+00
ENSBTAG000000026365	2.61E-10	8.22E-11		3.18E+00
ENSBTAG000000016139	4.82E-10	1.51E-10	TMEM120A	3.19E+00
ENSBTAG00000014810	8.02E-10	2.51E-10	WBSCR28	3.20E+00
ENSBTAG00000015889	6.82E-10	2.11E-10	CLCN7	3.23E+00
ENSBTAG00000008184	3.84E-10	1.17E-10	CCT6A	3.28E+00
ENSBTAG00000015272	2.94E-10	8.95E-11	TSC22D4	3.28E+00
ENSBTAG00000011875	9.36E-10	2.82E-10	CLIP2	3.32E+00
ENSBTAG00000017082	5.75E-10	1.72E-10	POR	3.34E+00
ENSBTAG000000026326	4.65E-10	1.39E-10	SPN	3.34E+00
ENSBTAG00000006117	2.51E-10	7.50E-11		3.34E+00
ENSBTAG00000002349	1.77E-10	5.24E-11	STX1B	3.37E+00
ENSBTAG00000002211	5.37E-10	1.57E-10	MAPK8IP3	3.42E+00
ENSBTAG00000019086	5.32E-10	1.56E-10	TELO2	3.41E+00
ENSBTAG00000000568	5.03E-10	1.43E-10	CCDC154	3.51E+00
ENSBTAG00000026376	4.40E-10	1.21E-10	SNN	3.63E+00
ENSBTAG00000003169	5.17E-10	1.41E-10	FBXO24	3.66E+00
ENSBTAG00000002345	2.58E-10	7.07E-11	SETD1A	3.65E+00
ENSBTAG00000016575	7.07E-10	1.93E-10	PDIA2	3.66E+00
ENSBTAG00000020366	5.02E-10	1.36E-10	TBL3	3.69E+00
ENSBTAG00000016360	2.14E-10	5.76E-11	TVP23A	3.70E+00
ENSBTAG00000004106	6.37E-10	1.70E-10	PRKRIP1	3.75E+00
ENSBTAG00000002253	2.68E-10	7.01E-11	FKBP6	3.81E+00
ENSBTAG00000005089	4.99E-10	1.28E-10	RHBDD2	3.89E+00
ENSBTAG00000019543	2.06E-10	5.17E-11		3.97E+00
ENSBTAG00000005028	1.14E-10	2.87E-11	HIRIP3	3.96E+00
ENSBTAG00000027854	3.31E-10	8.31E-11	ARHGDI3	3.98E+00
ENSBTAG00000026246	4.53E-10	1.14E-10	MOSPD3	3.97E+00
ENSBTAG00000006263	5.98E-10	1.49E-10	GP2	4.01E+00
ENSBTAG00000009237	2.46E-10	6.04E-11	KDEL2	4.06E+00
ENSBTAG00000009837	7.46E-10	1.81E-10	ANKS4B	4.12E+00
ENSBTAG00000012601	8.53E-10	2.07E-10	TEKT4	4.12E+00
ENSBTAG00000006495	4.12E-10	9.96E-11	GNB2	4.14E+00
ENSBTAG00000045767	7.24E-10	1.73E-10	LAT2	4.18E+00
ENSBTAG00000014100	5.61E-10	1.34E-10	BAIAP3	4.18E+00
ENSBTAG00000026383	7.42E-10	1.77E-10		4.19E+00
ENSBTAG00000008504	3.13E-10	7.37E-11	SYNGR3	4.24E+00
ENSBTAG00000019567	3.59E-10	8.38E-11	IL21R	4.28E+00
ENSBTAG00000021090	4.06E-10	9.47E-11	ABCC1	4.28E+00
ENSBTAG00000020190	1.84E-10	4.22E-11	KREMEN2	4.36E+00

ENSBTAG00000015314	2.06E-10	4.70E-11		4.37E+00
ENSBTAG00000020528	1.80E-10	4.11E-11	PCOLCE	4.36E+00
ENSBTAG00000003430	3.79E-10	8.65E-11	EPO	4.37E+00
ENSBTAG00000014229	6.24E-10	1.40E-10	SYT17	4.46E+00
ENSBTAG00000000279	6.91E-10	1.53E-10	RAB26	4.51E+00
ENSBTAG00000010511	2.45E-10	5.32E-11	KAT8	4.60E+00
ENSBTAG00000013052	9.27E-10	1.95E-10	SDR42E2	4.75E+00
ENSBTAG00000005033	8.59E-11	1.80E-11		4.75E+00
ENSBTAG00000026319	1.48E-10	3.09E-11	ASPHD1	4.76E+00
ENSBTAG00000016155	9.20E-11	1.93E-11	GDPD3	4.75E+00
ENSBTAG00000011969	3.73E-10	7.82E-11	HSPB1	4.77E+00
ENSBTAG00000004729	3.46E-10	7.25E-11	PKMYT1	4.77E+00
ENSBTAG00000034024	4.26E-10	8.92E-11		4.77E+00
ENSBTAG00000003288	3.50E-10	7.12E-11		4.91E+00
ENSBTAG00000006126	3.19E-10	6.43E-11	GTF3C1	4.96E+00
ENSBTAG00000006410	5.47E-10	1.07E-10	DCTN5	5.11E+00
ENSBTAG00000007955	1.05E-10	2.04E-11	SEZ6L2	5.14E+00
ENSBTAG00000009534	4.01E-10	7.75E-11	NDUFB10	5.17E+00
ENSBTAG00000007016	2.46E-10	4.77E-11	CNPY4	5.16E+00
ENSBTAG00000012197	7.26E-10	1.40E-10	AP5Z1	5.18E+00
ENSBTAG00000020001	3.54E-10	6.75E-11	MEIOB	5.24E+00
ENSBTAG00000000725	4.56E-10	8.59E-11	USP42	5.30E+00
ENSBTAG00000006405	3.40E-10	6.29E-11	PALB2	5.40E+00
ENSBTAG00000014417	7.93E-10	1.42E-10		5.58E+00
ENSBTAG00000019423	4.58E-10	8.06E-11		5.68E+00
ENSBTAG00000012668	3.53E-10	6.09E-11		5.79E+00
ENSBTAG00000020369	6.29E-10	1.05E-10	NOXO1	5.99E+00
ENSBTAG00000009533	2.77E-10	4.54E-11	RPL3L	6.09E+00
ENSBTAG00000000642	7.93E-10	1.26E-10	INTS1	6.29E+00
ENSBTAG00000014650	1.26E-10	1.99E-11	NFATC2IP	6.32E+00
ENSBTAG00000011738	4.10E-10	6.43E-11	TFR2	6.36E+00
ENSBTAG00000007295	4.78E-10	7.50E-11		6.36E+00
ENSBTAG00000039974	5.95E-10	9.32E-11	SSTR5	6.37E+00
ENSBTAG00000001023	4.55E-10	7.01E-11	ZNF598	6.48E+00
ENSBTAG00000001068	3.61E-10	5.18E-11	ZCWPW1	6.95E+00
ENSBTAG00000016973	1.70E-10	2.38E-11	PRSS8	7.13E+00
ENSBTAG00000026275	2.22E-10	3.11E-11	CCL24	7.13E+00
ENSBTAG00000005030	8.62E-11	1.21E-11	INO80E	7.07E+00
ENSBTAG00000002344	1.46E-10	2.04E-11	ORAI3	7.13E+00
ENSBTAG00000002881	5.76E-10	8.02E-11	AP4M1	7.17E+00
ENSBTAG00000001470	4.93E-10	6.81E-11	DTX2	7.23E+00
ENSBTAG00000006650	1.72E-10	2.28E-11	ZNF668	7.53E+00
ENSBTAG00000048229	4.72E-10	6.14E-11		7.67E+00
ENSBTAG00000016687	2.15E-10	2.70E-11		7.94E+00
ENSBTAG00000046722	4.68E-10	5.87E-11		7.95E+00
ENSBTAG00000019988	6.45E-10	7.74E-11	HAGH	8.32E+00
ENSBTAG00000030966	3.60E-10	4.23E-11	TAF6	8.48E+00
ENSBTAG00000033481	6.66E-10	7.59E-11	C1QTNF8	8.76E+00
ENSBTAG00000007325	5.31E-10	6.05E-11	TPSB2	8.76E+00
ENSBTAG00000009840	1.92E-09	2.17E-10	OR2AE1	8.85E+00
ENSBTAG00000021785	1.15E-10	1.25E-11	TMEM219	9.10E+00
ENSBTAG00000030956	3.91E-10	3.98E-11	ZSCAN21	9.81E+00
ENSBTAG00000006264	7.58E-10	7.72E-11	UMOD	9.81E+00
ENSBTAG00000034372	1.72E-09	1.59E-10		1.08E+01
ENSBTAG00000016765	3.60E-10	3.23E-11	C7orf61	1.11E+01
ENSBTAG00000016757	5.62E-10	5.03E-11	ZKSCAN1	1.12E+01
ENSBTAG00000030965	4.87E-10	4.17E-11	MCM7	1.17E+01
ENSBTAG00000007103	4.00E-10	3.42E-11	ITGAL	1.17E+01
ENSBTAG00000016434	4.80E-10	3.87E-11	PDILT	1.24E+01
ENSBTAG00000017631	6.73E-10	4.43E-11	GFER	1.52E+01
ENSBTAG00000007384	3.58E-10	7.36E-12	CYTH3	4.80E+01
ENSBTAG00000000713	4.04E-10	5.34E-12	AGFG2	7.44E+01
ENSBTAG00000038757	1.05E-10	0	HBM	1.05E+03
ENSBTAG00000026418	0	0		1.00E+00
ENSBTAG00000002735	4.60E-11	0	C25H16ORF13	4.61E+02
ENSBTAG00000033672	0	0	JMJD8	1.00E+00
ENSBTAG00000033395	4.27E-10	0	CCSMST1	4.28E+03
ENSBTAG00000009535	2.26E-10	0	RPS2	2.26E+03
ENSBTAG00000009951	1.43E-10	0	PGP	1.43E+03
ENSBTAG00000045901	8.65E-11	0	CLDN6	8.66E+02

ENSBTAG00000022530	3.15E-11	0	TMEM186	3.16E+02
ENSBTAG00000021493	0	0	PRM1	1.00E+00
ENSBTAG00000046216	1.00E-09	0		1.00E+04
ENSBTAG00000018195	1.06E-10	0		1.06E+03
ENSBTAG00000021249	3.20E-10	0	LAT	3.20E+03
ENSBTAG00000014653	1.25E-10	0	SPNS1	1.26E+03
ENSBTAG00000008635	1.28E-10	0		1.28E+03
ENSBTAG00000016156	1.16E-10	0	MAPK3	1.16E+03
ENSBTAG00000009047	7.31E-11	0	YPEL3	7.32E+02
ENSBTAG00000007954	4.78E-11	0	CDIPT	4.79E+02
ENSBTAG00000046752	3.38E-11	0		3.39E+02
ENSBTAG00000015486	0	0	CD2BP2	1.00E+00
ENSBTAG00000046855	1.36E-10	0		1.36E+03
ENSBTAG00000021219	4.53E-11	0	01-Sep	4.54E+02
ENSBTAG00000043974	3.92E-11	0		3.93E+02
ENSBTAG00000031551	2.45E-10	0	PRSS53	2.45E+03
ENSBTAG00000000405	1.83E-10	0		1.83E+03
ENSBTAG00000019521	2.63E-10	0	COX6A2	2.63E+03
ENSBTAG00000031583	1.82E-10	0	NUPR2	1.82E+03
ENSBTAG00000021430	3.26E-10	0	UPK3B	3.26E+03
ENSBTAG00000039601	4.69E-10	0	SAP25	4.69E+03
ENSBTAG00000046753	4.77E-10	0		4.77E+03
ENSBTAG00000026243	2.65E-10	0	PPP1R35	2.66E+03
ENSBTAG00000016763	2.89E-10	0		2.89E+03
ENSBTAG00000007012	3.60E-10	0	ZNF3	3.60E+03
ENSBTAG00000038613	1.97E-10	0		1.97E+03
ENSBTAG00000040014	1.25E-10	0		1.25E+03
ENSBTAG00000010291	7.44E-10	0	RBAK	7.44E+03
ENSBTAG00000038627	8.94E-10	0		8.95E+03
ENSBTAG00000030721	7.02E-11	0	UNCX	7.03E+02
ENSBTAG00000033015	3.03E-10	0	FAHD1	3.03E+03
ENSBTAG00000046703	4.43E-10	0	NPW	4.43E+03
ENSBTAG00000047563	1.25E-10	0	CLDN9	1.25E+03
ENSBTAG00000013051	0	0	PRM3	1.00E+00
ENSBTAG00000031582	0	0		1.00E+00
ENSBTAG00000047342	0	0		1.00E+00
ENSBTAG00000009022	0	0	DNAJC30	1.00E+00
ENSBTAG00000046010	1.45E-10	0	BHLHA15	1.45E+03
ENSBTAG00000005600	3.37E-10	0		3.37E+03
ENSBTAG000000048154	0	0	GPER1	1.00E+00
ENSBTAG00000003690	1.76E-10	7.67E-10	NHLRC2	2.29E-01
ENSBTAG00000020193	1.84E-10	4.74E-10	DCLRE1A	3.89E-01
ENSBTAG00000021118	2.29E-11	5.77E-11	CYP26A1	3.98E-01
ENSBTAG00000007049	1.79E-10	3.00E-10	MBL2	5.95E-01
ENSBTAG00000006218	1.53E-10	2.56E-10	FOXI2	5.96E-01
ENSBTAG00000013763	2.33E-10	3.88E-10		6.02E-01
ENSBTAG00000002191	2.14E-10	3.45E-10	RRP12	6.19E-01
ENSBTAG00000011917	1.05E-10	1.68E-10	GPAM	6.23E-01
ENSBTAG00000000437	2.36E-10	3.73E-10	FFAR4	6.33E-01
ENSBTAG00000034597	1.71E-10	2.70E-10		6.34E-01
ENSBTAG00000013820	3.80E-10	5.75E-10		6.61E-01
ENSBTAG00000000551	3.40E-10	4.69E-10	SMNDC1	7.26E-01
ENSBTAG00000002655	7.80E-10	1.05E-09		7.43E-01
ENSBTAG00000011734	1.31E-10	1.76E-10	ANKRD1	7.45E-01
ENSBTAG00000048118	5.63E-10	7.39E-10		7.62E-01
ENSBTAG00000046239	1.09E-10	1.38E-10	LCOR	7.93E-01
ENSBTAG00000003027	1.57E-10	1.98E-10	EMX2	7.95E-01
ENSBTAG00000047164	2.72E-11	3.42E-11		7.95E-01
ENSBTAG00000001242	5.83E-11	7.35E-11	ADRB1	7.94E-01
ENSBTAG00000007881	2.31E-10	2.91E-10	IFIT1	7.93E-01
ENSBTAG00000034918	1.18E-10	1.49E-10	IFIT2	7.95E-01
ENSBTAG00000010461	2.10E-10	2.65E-10		7.93E-01
ENSBTAG00000047474	1.90E-10	2.39E-10	SPRN	7.94E-01
ENSBTAG00000005791	1.08E-09	1.33E-09	UROS	8.15E-01
ENSBTAG00000012416	9.80E-10	1.20E-09		8.16E-01
ENSBTAG00000038063	8.42E-10	1.03E-09	LIPJ	8.17E-01
ENSBTAG00000005792	9.42E-10	1.15E-09	BCCIP	8.19E-01
ENSBTAG00000006928	1.23E-10	1.50E-10	OAT	8.20E-01
ENSBTAG00000020233	1.43E-10	1.74E-10	CCDC186	8.21E-01
ENSBTAG00000006689	8.76E-11	1.05E-10	TECTB	8.35E-01

ENSBTAG00000008730	2.98E-10	3.56E-10	SFXN4	8.37E-01
ENSBTAG00000007578	3.28E-10	3.92E-10		8.37E-01
ENSBTAG000000032299	4.24E-10	4.97E-10	CCDC172	8.54E-01
ENSBTAG00000014218	3.99E-10	4.64E-10	DKK1	8.59E-01
ENSBTAG00000009768	7.72E-10	8.97E-10	IFIT3	8.60E-01
ENSBTAG000000046499	8.81E-10	1.02E-09		8.63E-01
ENSBTAG00000010786	5.23E-10	6.06E-10	TACC2	8.62E-01
ENSBTAG00000011197	1.15E-10	1.32E-10	IPMK	8.68E-01
ENSBTAG00000011487	6.63E-10	7.58E-10	PLEKHS1	8.74E-01
ENSBTAG000000008783	3.33E-10	3.81E-10	HTR7	8.75E-01
ENSBTAG00000013779	5.87E-10	6.70E-10	HSPA12A	8.76E-01
ENSBTAG00000014335	1.33E-09	1.50E-09	CYP17A1	8.87E-01
ENSBTAG00000005027	2.26E-10	2.55E-10	GLRX3	8.87E-01
ENSBTAG00000005129	2.97E-10	3.34E-10	CEP55	8.90E-01
ENSBTAG00000022808	1.95E-10	2.18E-10	CACUL1	8.94E-01
ENSBTAG00000018941	3.96E-10	4.45E-10	CPXM2	8.91E-01
ENSBTAG000000008729	2.99E-10	3.35E-10	FAM45A	8.93E-01
ENSBTAG00000013875	1.52E-10	1.70E-10	VAX1	8.93E-01
ENSBTAG00000000442	2.38E-10	2.67E-10	RBP4	8.92E-01
ENSBTAG00000031955	6.50E-10	7.16E-10	GPR26	9.08E-01
ENSBTAG000000004612	6.58E-10	7.24E-10		9.08E-01
ENSBTAG00000026185	5.19E-10	5.66E-10		9.17E-01
ENSBTAG00000019322	6.69E-10	7.22E-10	HABP2	9.26E-01
ENSBTAG00000015062	9.23E-10	9.83E-10	KCNK18	9.39E-01
ENSBTAG000000006615	3.29E-10	3.47E-10	CASP7	9.47E-01
ENSBTAG00000020918	1.46E-10	1.53E-10	NKX1-2	9.53E-01
ENSBTAG00000019919	4.54E-10	4.77E-10		9.52E-01
ENSBTAG00000006855	6.89E-10	7.22E-10	TDRD1	9.54E-01
ENSBTAG00000017913	1.16E-10	1.20E-10	BUB3	9.64E-01
ENSBTAG00000045905	7.15E-10	7.37E-10	PCDH15	9.70E-01
ENSBTAG00000045728	3.29E-10	3.38E-10		9.75E-01
ENSBTAG00000019690	5.29E-10	5.37E-10	PNLIPRP3	9.86E-01
ENSBTAG00000003395	7.74E-11	7.84E-11	ZRANB1	9.87E-01
ENSBTAG00000001006	2.40E-10	2.42E-10	HMX3	9.91E-01
ENSBTAG00000002435	3.37E-10	3.40E-10	PTPRE	9.92E-01
ENSBTAG00000011401	2.81E-10	2.81E-10	PDZD8	1.00E+00
ENSBTAG00000015651	3.34E-10	3.35E-10		9.97E-01
ENSBTAG00000003397	2.82E-10	2.82E-10	CTBP2	9.99E-01
ENSBTAG00000033685	4.12E-10	4.03E-10	CCNJ	1.02E+00
ENSBTAG000000008272	2.45E-10	2.41E-10	EBF3	1.02E+00
ENSBTAG00000020283	1.82E-10	1.76E-10	DUSP5	1.03E+00
ENSBTAG00000008389	7.61E-10	7.36E-10	HTRA1	1.03E+00
ENSBTAG00000002444	4.39E-10	4.21E-10	MKI67	1.04E+00
ENSBTAG00000023549	3.09E-10	2.95E-10		1.05E+00
ENSBTAG00000007594	1.24E-10	1.18E-10	CWF19L1	1.05E+00
ENSBTAG00000010796	5.96E-10	5.67E-10	SPADH1	1.05E+00
ENSBTAG00000032237	7.17E-10	6.82E-10	PNLIP	1.05E+00
ENSBTAG00000007044	1.89E-10	1.78E-10	CALHM1	1.06E+00
ENSBTAG00000021856	5.79E-10	5.48E-10	R3HCC1L	1.06E+00
ENSBTAG00000010785	4.97E-10	4.70E-10	FAS	1.06E+00
ENSBTAG00000014336	3.93E-10	3.66E-10	WBP1L	1.07E+00
ENSBTAG00000039132	6.76E-10	6.27E-10		1.08E+00
ENSBTAG00000019519	2.91E-10	2.70E-10	PWWP2B	1.08E+00
ENSBTAG00000007981	2.67E-10	2.47E-10	GRK5	1.08E+00
ENSBTAG00000031890	5.63E-10	5.19E-10	DOCK1	1.08E+00
ENSBTAG00000006860	3.53E-10	3.26E-10	VWA2	1.08E+00
ENSBTAG00000021397	2.54E-10	2.33E-10	NKX2-3	1.09E+00
ENSBTAG00000047450	2.24E-10	2.05E-10	SFR1	1.09E+00
ENSBTAG00000018404	5.12E-10	4.68E-10	PRKG1	1.09E+00
ENSBTAG00000001298	4.35E-10	3.97E-10	STAMBPL1	1.09E+00
ENSBTAG00000003989	6.66E-10	6.03E-10		1.10E+00
ENSBTAG00000005979	1.97E-10	1.78E-10	HELLS	1.10E+00
ENSBTAG00000011740	1.03E-09	9.30E-10	OPALIN	1.11E+00
ENSBTAG00000003636	3.99E-10	3.58E-10	LIPA	1.11E+00
ENSBTAG00000003312	5.41E-10	4.84E-10	CHST15	1.12E+00
ENSBTAG00000021015	4.22E-10	3.78E-10	FAM196A	1.12E+00
ENSBTAG00000009181	3.47E-10	3.09E-10	INPP5A	1.12E+00
ENSBTAG00000011562	5.55E-10	4.94E-10	STK32C	1.12E+00
ENSBTAG00000012107	3.51E-10	3.11E-10	SLC25A28	1.13E+00
ENSBTAG00000003178	2.45E-10	2.15E-10	ATE1	1.14E+00

ENSBTAG00000011832	1.97E-10	1.73E-10	ALDH18A1	1.14E+00
ENSBTAG00000003265	4.45E-10	3.90E-10	ADD3	1.14E+00
ENSBTAG00000006395	9.20E-10	8.04E-10	TUBGCP2	1.14E+00
ENSBTAG00000023840	2.75E-10	2.40E-10		1.15E+00
ENSBTAG00000023891	4.35E-10	3.77E-10	RBM20	1.15E+00
ENSBTAG00000010957	7.45E-10	6.45E-10	LHPP	1.16E+00
ENSBTAG00000004895	2.53E-10	2.18E-10	AFAP1L2	1.16E+00
ENSBTAG00000013364	6.65E-10	5.69E-10	LIPM	1.17E+00
ENSBTAG00000013905	1.83E-10	1.55E-10	SMC3	1.18E+00
ENSBTAG00000002528	1.40E-10	1.18E-10	EIF3A	1.18E+00
ENSBTAG00000004029	7.37E-11	6.19E-11		1.19E+00
ENSBTAG00000023845	3.50E-10	2.94E-10		1.19E+00
ENSBTAG00000008731	3.16E-10	2.65E-10	PRDX3	1.19E+00
ENSBTAG00000017804	5.53E-10	4.64E-10	BNIP3	1.19E+00
ENSBTAG00000007588	2.24E-10	1.88E-10	ERLIN1	1.19E+00
ENSBTAG00000003062	5.52E-10	4.61E-10	FAM160B1	1.20E+00
ENSBTAG00000010105	3.45E-10	2.88E-10		1.20E+00
ENSBTAG00000019297	4.94E-10	4.12E-10	GFRA1	1.20E+00
ENSBTAG00000004636	2.43E-10	2.02E-10	PLEKHA1	1.20E+00
ENSBTAG00000011137	5.91E-10	4.88E-10	MORN4	1.21E+00
ENSBTAG00000000447	3.74E-10	3.01E-10	FRA10AC1	1.24E+00
ENSBTAG00000011368	3.80E-10	3.03E-10	NOC3L	1.25E+00
ENSBTAG00000004899	5.30E-10	4.19E-10	ABLIM1	1.26E+00
ENSBTAG000000024700	5.25E-10	4.11E-10		1.28E+00
ENSBTAG00000012444	4.59E-10	3.60E-10	ADAM12	1.28E+00
ENSBTAG00000036127	1.39E-10	1.09E-10		1.27E+00
ENSBTAG00000005015	2.46E-10	1.91E-10	SFXN3	1.29E+00
ENSBTAG00000040290	2.78E-10	2.16E-10	GSTO2	1.29E+00
ENSBTAG00000002647	4.61E-10	3.58E-10	RGS10	1.29E+00
ENSBTAG00000019327	6.94E-10	5.37E-10	NRAP	1.29E+00
ENSBTAG00000014217	4.38E-10	3.38E-10	HHEX	1.30E+00
ENSBTAG000000039755	1.35E-09	1.03E-09		1.31E+00
ENSBTAG000000037559	3.00E-10	2.30E-10	CYP2C18	1.30E+00
ENSBTAG00000012857	6.00E-10	4.58E-10	CNNM2	1.31E+00
ENSBTAG00000021357	9.20E-11	6.96E-11	ZNF518A	1.32E+00
ENSBTAG000000046727	4.31E-10	3.25E-10		1.32E+00
ENSBTAG000000021540	2.69E-10	2.02E-10	WDR11	1.33E+00
ENSBTAG00000002973	1.70E-10	1.26E-10	RPP30	1.35E+00
ENSBTAG000000043991	2.25E-10	1.64E-10	SLIT1	1.37E+00
ENSBTAG000000009439	1.74E-10	1.27E-10	EDRF1	1.37E+00
ENSBTAG000000038540	5.39E-10	3.89E-10		1.38E+00
ENSBTAG00000012720	1.29E-10	9.28E-11	ANKRD2	1.39E+00
ENSBTAG00000014831	1.17E-10	8.43E-11	PPP1R3C	1.39E+00
ENSBTAG000000032106	2.53E-10	1.81E-10	PLPP4	1.40E+00
ENSBTAG00000002880	3.99E-10	2.85E-10		1.40E+00
ENSBTAG00000006714	3.34E-10	2.37E-10		1.41E+00
ENSBTAG00000023832	5.32E-10	3.78E-10	ADAM8	1.41E+00
ENSBTAG00000007948	5.51E-10	3.91E-10	SORCS1	1.41E+00
ENSBTAG00000004080	2.03E-10	1.43E-10	TIAL1	1.42E+00
ENSBTAG00000021801	1.11E-10	7.79E-11		1.43E+00
ENSBTAG00000007011	7.18E-10	5.03E-10	TEX36	1.43E+00
ENSBTAG000000047077	3.36E-10	2.36E-10	ENTPD7	1.43E+00
ENSBTAG00000007709	1.79E-10	1.25E-10	SHOC2	1.43E+00
ENSBTAG00000016298	1.57E-10	1.08E-10	TM9SF3	1.45E+00
ENSBTAG00000011182	7.60E-10	5.22E-10	PDLIM1	1.46E+00
ENSBTAG00000004318	3.85E-10	2.64E-10	ARL3	1.46E+00
ENSBTAG00000019434	2.00E-10	1.36E-10	PDCD4	1.47E+00
ENSBTAG00000005965	3.89E-10	2.63E-10	ADGRA1	1.48E+00
ENSBTAG00000022917	5.96E-10	4.01E-10	FANK1	1.49E+00
ENSBTAG00000019166	8.94E-11	6.00E-11	NSMCE4A	1.49E+00
ENSBTAG00000006445	1.04E-09	6.92E-10		1.50E+00
ENSBTAG00000008939	6.63E-10	4.42E-10	DNMBP	1.50E+00
ENSBTAG00000008102	4.82E-10	3.21E-10	CRTAC1	1.50E+00
ENSBTAG00000017780	3.25E-10	2.15E-10	DPYSL4	1.51E+00
ENSBTAG00000002971	1.74E-10	1.14E-10	CUTC	1.52E+00
ENSBTAG00000011841	1.95E-10	1.28E-10	TCTN3	1.52E+00
ENSBTAG00000000092	2.44E-10	1.59E-10	HIF1AN	1.53E+00
ENSBTAG00000006713	1.59E-10	1.04E-10	ZDHHC6	1.53E+00
ENSBTAG00000024911	5.17E-10	3.37E-10	LIPN	1.53E+00
ENSBTAG000000047270	2.92E-10	1.90E-10		1.54E+00

ENSBTAG0000000806	2.14E-10	1.39E-10	ATAD1	1.54E+00
ENSBTAG00000009693	1.43E-10	9.17E-11	TBC1D12	1.56E+00
ENSBTAG00000013641	2.20E-10	1.41E-10	BAG3	1.56E+00
ENSBTAG00000007956	1.98E-10	1.25E-10	FRAT1	1.58E+00
ENSBTAG00000040222	3.46E-11	2.18E-11		1.58E+00
ENSBTAG00000039324	4.25E-10	2.67E-10	FGFBP3	1.59E+00
ENSBTAG00000003196	3.71E-10	2.33E-10	PAPSS2	1.59E+00
ENSBTAG00000002717	4.33E-10	2.72E-10	INA	1.59E+00
ENSBTAG00000015450	3.64E-10	2.26E-10	CPEB3	1.61E+00
ENSBTAG00000023846	5.63E-10	3.48E-10		1.62E+00
ENSBTAG00000005057	1.98E-10	1.22E-10	FAM204A	1.62E+00
ENSBTAG00000020589	3.08E-10	1.90E-10		1.62E+00
ENSBTAG00000012858	1.57E-10	9.65E-11	NT5C2	1.63E+00
ENSBTAG00000016928	1.95E-10	1.20E-10		1.62E+00
ENSBTAG00000023939	1.76E-10	1.07E-10		1.65E+00
ENSBTAG00000021358	5.80E-10	3.52E-10	BLNK	1.65E+00
ENSBTAG00000007441	5.39E-10	3.27E-10	SEC23IP	1.65E+00
ENSBTAG00000014614	1.65E-10	1.00E-10	ACTA2	1.65E+00
ENSBTAG00000012970	3.16E-10	1.91E-10	FAM53B	1.65E+00
ENSBTAG00000018966	5.55E-10	3.34E-10	PLCE1	1.66E+00
ENSBTAG00000004662	2.54E-10	1.52E-10	SLC16A12	1.67E+00
ENSBTAG00000020981	1.87E-10	1.12E-10	05-Mar	1.67E+00
ENSBTAG00000009877	2.60E-10	1.56E-10	MCMBP	1.67E+00
ENSBTAG00000008029	8.64E-10	5.12E-10		1.69E+00
ENSBTAG00000020304	3.47E-10	2.05E-10		1.69E+00
ENSBTAG00000018406	4.46E-10	2.59E-10	CSTF2T	1.72E+00
ENSBTAG00000040427	2.50E-10	1.45E-10		1.72E+00
ENSBTAG00000021566	2.80E-10	1.62E-10	PAX2	1.73E+00
ENSBTAG00000010442	2.58E-10	1.48E-10	PANK1	1.74E+00
ENSBTAG00000018041	4.91E-10	2.81E-10	ACADSB	1.75E+00
ENSBTAG00000012719	2.46E-10	1.39E-10	UBTD1	1.77E+00
ENSBTAG00000004964	2.47E-10	1.39E-10	PCGF5	1.78E+00
ENSBTAG00000009498	1.72E-10	9.62E-11	PTEN	1.79E+00
ENSBTAG00000008100	4.42E-10	2.46E-10	GOLGA7B	1.80E+00
ENSBTAG00000007476	2.67E-10	1.48E-10	BTRC	1.81E+00
ENSBTAG00000020375	6.47E-10	3.52E-10		1.84E+00
ENSBTAG00000005928	2.59E-10	1.40E-10	MINPP1	1.85E+00
ENSBTAG00000011651	4.48E-10	2.43E-10	HECTD2	1.84E+00
ENSBTAG00000003294	7.64E-11	4.12E-11	MRPL43	1.85E+00
ENSBTAG00000020895	2.75E-10	1.48E-10		1.85E+00
ENSBTAG00000021116	1.36E-10	7.29E-11	EXOC6	1.86E+00
ENSBTAG00000007591	3.65E-10	1.95E-10	CHUK	1.87E+00
ENSBTAG00000032761	5.73E-10	3.06E-10	CALHM3	1.87E+00
ENSBTAG00000005708	2.26E-10	1.20E-10		1.89E+00
ENSBTAG00000005795	1.05E-09	5.58E-10	DHX32	1.88E+00
ENSBTAG00000020427	8.21E-10	4.33E-10	DNNT	1.90E+00
ENSBTAG00000021574	3.58E-10	1.88E-10		1.90E+00
ENSBTAG00000035072	1.98E-10	1.03E-10	SYCE1	1.93E+00
ENSBTAG00000014064	1.65E-10	8.52E-11	FGFR2	1.93E+00
ENSBTAG00000011587	3.50E-10	1.81E-10	C10orf90	1.94E+00
ENSBTAG00000008819	3.84E-10	1.98E-10	BTBD16	1.94E+00
ENSBTAG00000021246	9.66E-11	4.87E-11		1.98E+00
ENSBTAG00000003529	5.11E-10	2.55E-10		2.00E+00
ENSBTAG00000019759	3.91E-10	1.95E-10	IDE	2.00E+00
ENSBTAG00000007243	7.76E-10	3.84E-10	CFAP58	2.02E+00
ENSBTAG00000039973	1.84E-10	9.02E-11	CYP26C1	2.04E+00
ENSBTAG00000022715	9.01E-10	4.38E-10		2.06E+00
ENSBTAG00000005106	2.53E-10	1.22E-10		2.07E+00
ENSBTAG00000017709	7.09E-10	3.40E-10	ATRNL1	2.08E+00
ENSBTAG00000004739	9.28E-10	4.40E-10	SLC18A2	2.11E+00
ENSBTAG00000012914	1.65E-10	7.77E-11	WNT8B	2.12E+00
ENSBTAG00000007460	1.63E-10	7.71E-11	RAB11FIP2	2.12E+00
ENSBTAG000000046362	1.54E-10	7.26E-11		2.12E+00
ENSBTAG00000007248	7.02E-10	3.30E-10		2.13E+00
ENSBTAG00000014574	3.67E-10	1.72E-10	CFAP43	2.13E+00
ENSBTAG00000009279	3.60E-10	1.67E-10	TNKS2	2.16E+00
ENSBTAG00000000445	5.88E-10	2.70E-10	PDE6C	2.18E+00
ENSBTAG00000009879	2.35E-10	1.08E-10		2.18E+00
ENSBTAG00000003800	3.55E-10	1.62E-10	LRRC27	2.19E+00
ENSBTAG00000009383	2.30E-10	1.05E-10	KIF11	2.18E+00



ENSBTAG00000013368	2.63E-10	1.19E-10	ANKRD22	2.21E+00
ENSBTAG00000012702	2.11E-10	9.46E-11	ZDHHHC16	2.22E+00
ENSBTAG00000010797	4.66E-10	2.07E-10	C10orf120	2.25E+00
ENSBTAG00000010522	3.71E-10	1.64E-10		2.26E+00
ENSBTAG00000023847	2.33E-10	1.02E-10	IKZF5	2.28E+00
ENSBTAG00000012077	1.99E-10	8.51E-11	SLF2	2.33E+00
ENSBTAG00000018604	1.08E-10	4.54E-11	SEMA4G	2.38E+00
ENSBTAG00000003296	1.83E-10	7.68E-11	TWNK	2.38E+00
ENSBTAG00000047842	2.21E-10	9.27E-11	PRLHR	2.38E+00
ENSBTAG000000017710	1.46E-09	6.13E-10	ECHS1	2.39E+00
ENSBTAG00000048256	4.07E-10	1.70E-10		2.39E+00
ENSBTAG00000011960	1.14E-10	4.66E-11	GOT1	2.45E+00
ENSBTAG00000011748	5.52E-10	2.25E-10	SGMS1	2.45E+00
ENSBTAG00000018321	4.63E-10	1.88E-10	PAOX	2.46E+00
ENSBTAG00000014028	3.50E-10	1.42E-10	PSTK	2.46E+00
ENSBTAG00000018365	3.61E-10	1.45E-10	CYP2E1	2.49E+00
ENSBTAG00000001017	3.02E-10	1.21E-10	SLK	2.49E+00
ENSBTAG00000013478	2.03E-10	8.08E-11	MARVELD1	2.52E+00
ENSBTAG00000011092	6.07E-10	2.41E-10	KNDC1	2.52E+00
ENSBTAG00000023955	4.30E-10	1.70E-10		2.53E+00
ENSBTAG00000002010	3.17E-10	1.24E-10		2.55E+00
ENSBTAG00000017367	3.21E-10	1.24E-10	IFIT5	2.59E+00
ENSBTAG00000011743	3.22E-10	1.23E-10	TLL2	2.62E+00
ENSBTAG00000006707	3.00E-10	1.15E-10	ACSL5	2.61E+00
ENSBTAG000000012721	5.54E-10	2.11E-10	HOGA1	2.63E+00
ENSBTAG00000004330	1.30E-10	4.96E-11	ENO4	2.62E+00
ENSBTAG00000021195	3.72E-10	1.38E-10	A1CF	2.69E+00
ENSBTAG00000003990	3.67E-10	1.29E-10	ITPRIP	2.84E+00
ENSBTAG00000000951	5.16E-10	1.80E-10	JAKMIP3	2.87E+00
ENSBTAG00000009715	3.98E-10	1.35E-10	PDCD11	2.95E+00
ENSBTAG00000045703	1.25E-10	4.24E-11	COX15	2.94E+00
ENSBTAG00000017263	3.16E-10	1.06E-10	MXI1	2.98E+00
ENSBTAG00000011115	6.00E-10	2.01E-10	CH25H	2.98E+00
ENSBTAG00000044153	2.70E-10	8.95E-11	SH3PXD2A	3.02E+00
ENSBTAG00000000765	5.19E-10	1.69E-10	PNLIPRP2	3.07E+00
ENSBTAG00000021068	2.10E-10	6.74E-11	SUFU	3.12E+00
ENSBTAG00000004438	4.82E-10	1.52E-10	XPNPEP1	3.17E+00
ENSBTAG00000047957	2.69E-10	8.46E-11		3.18E+00
ENSBTAG00000002261	1.73E-10	5.44E-11	LBX1	3.17E+00
ENSBTAG000000009713	2.49E-10	7.81E-11		3.18E+00
ENSBTAG00000005715	6.87E-10	2.07E-10	FUOM	3.32E+00
ENSBTAG00000013717	1.06E-09	3.18E-10	PRAP1	3.35E+00
ENSBTAG00000011956	1.79E-10	5.28E-11	CNNM1	3.39E+00
ENSBTAG00000016104	1.64E-10	4.82E-11	BTAF1	3.41E+00
ENSBTAG00000008936	6.60E-10	1.89E-10	ABCC2	3.49E+00
ENSBTAG00000003634	2.39E-10	6.81E-11	CISD1	3.51E+00
ENSBTAG00000012955	4.26E-10	1.21E-10	TRUB1	3.52E+00
ENSBTAG00000039834	4.11E-10	1.15E-10		3.57E+00
ENSBTAG00000010739	2.46E-10	6.41E-11	BLOC1S2	3.84E+00
ENSBTAG00000003741	3.68E-10	9.56E-11	NEURL1	3.85E+00
ENSBTAG00000039234	8.14E-10	2.03E-10	LIPK	4.01E+00
ENSBTAG00000037795	3.58E-10	8.82E-11		4.05E+00
ENSBTAG00000012704	1.70E-10	4.04E-11	MMS19	4.19E+00
ENSBTAG00000003298	1.26E-10	2.89E-11	LZTS2	4.36E+00
ENSBTAG00000020796	1.01E-10	2.26E-11	UBE2D1	4.45E+00
ENSBTAG00000015019	4.25E-10	9.08E-11	STN1	4.67E+00
ENSBTAG00000000791	5.35E-10	1.13E-10	CALY	4.73E+00
ENSBTAG00000016918	6.09E-10	1.29E-10	MYOF	4.72E+00
ENSBTAG00000012697	7.55E-11	1.58E-11		4.75E+00
ENSBTAG00000011080	1.88E-10	3.94E-11	TLX1	4.76E+00
ENSBTAG00000047324	6.56E-10	1.36E-10		4.82E+00
ENSBTAG00000012699	1.61E-10	3.11E-11	EXOSC1	5.15E+00
ENSBTAG00000023941	1.91E-10	3.69E-11	CPN1	5.16E+00
ENSBTAG00000003580	1.68E-10	3.25E-11		5.16E+00
ENSBTAG00000019872	2.61E-10	4.94E-11	PIK3AP1	5.27E+00
ENSBTAG00000021071	2.63E-10	4.97E-11	TRIM8	5.29E+00
ENSBTAG00000018566	4.61E-10	8.57E-11	SFRP5	5.37E+00
ENSBTAG00000000091	3.19E-10	5.73E-11	NDUFB8	5.56E+00
ENSBTAG00000009709	1.65E-10	2.97E-11	TAF5	5.55E+00
ENSBTAG00000047054	1.16E-09	2.08E-10	CLRN3	5.57E+00

ENSBTAG0000000090	3.50E-10	6.19E-11	SEC31B	5.64E+00
ENSBTAG00000046514	8.98E-10	1.48E-10	ASMTL	6.07E+00
ENSBTAG00000046848	2.76E-10	4.34E-11		6.35E+00
ENSBTAG00000010742	3.11E-10	4.89E-11	PKD2L1	6.36E+00
ENSBTAG00000007435	8.37E-11	1.17E-11	NOLC1	7.10E+00
ENSBTAG00000018564	6.76E-10	8.70E-11	ZFYVE27	7.76E+00
ENSBTAG00000023947	1.01E-10	1.27E-11	AVPI1	7.91E+00
ENSBTAG00000009719	4.92E-10	5.78E-11	CALHM2	8.49E+00
ENSBTAG00000002430	2.80E-10	2.83E-11	COL17A1	9.87E+00
ENSBTAG00000021067	2.06E-10	1.89E-11	ACTR1B	1.08E+01
ENSBTAG00000038930	5.48E-11	4.06E-12		1.32E+01
ENSBTAG00000038684	1.36E-09	9.64E-11		1.41E+01
ENSBTAG00000021065	2.04E-10	1.39E-11	MFSD13A	1.46E+01
ENSBTAG00000015702	1.31E-10	8.66E-12	PITX3	1.49E+01
ENSBTAG00000013120	2.40E-10	1.53E-11	C10orf76	1.56E+01
ENSBTAG00000001530	2.83E-10	1.78E-11	FGF8	1.58E+01
ENSBTAG00000006014	1.57E-10	9.25E-12	GBF1	1.68E+01
ENSBTAG00000004321	3.89E-10	2.24E-11	SFXN2	1.73E+01
ENSBTAG00000007427	1.41E-10	7.42E-12	PPRC1	1.88E+01
ENSBTAG00000003579	1.73E-10	7.47E-12	FBXW4	2.29E+01
ENSBTAG00000016343	1.46E-10	5.57E-12	KCNIP2	2.58E+01
ENSBTAG00000016336	2.14E-10	7.69E-12	MGEA5	2.75E+01
ENSBTAG00000014314	3.73E-10	1.22E-11	HPS1	3.03E+01
ENSBTAG00000003578	1.52E-10	4.67E-12	DPCD	3.19E+01
ENSBTAG00000014313	5.64E-10	4.06E-12	PYROXD2	1.36E+02
ENSBTAG00000008152	0	0		1.00E+00
ENSBTAG00000023629	0	0		1.00E+00
ENSBTAG00000011489	1.04E-10	0	KAZALD1	1.05E+03
ENSBTAG00000003576	1.47E-10	0	POLL	1.47E+03
ENSBTAG00000016335	1.12E-10	0	NPM3	1.12E+03
ENSBTAG00000005780	8.27E-11	0	LDB1	8.28E+02
ENSBTAG000000015700	5.59E-11	0	ELOVL3	5.60E+02
ENSBTAG00000006017	8.27E-11	0	NFKB2	8.28E+02
ENSBTAG00000002500	1.20E-10	0	FBXL15	1.20E+03
ENSBTAG00000002501	9.60E-11	0	CUEDC2	9.61E+02
ENSBTAG00000038993	6.59E-10	0		6.59E+03
ENSBTAG00000024999	1.75E-10	0	UTF1	1.75E+03
ENSBTAG00000017911	9.28E-11	0	HMX2	9.29E+02
ENSBTAG00000035282	0	0		1.00E+00
ENSBTAG000000046109	0	0		1.00E+00
ENSBTAG000000046701	0	0	FRAT2	1.00E+00
ENSBTAG00000021942	9.38E-11	0	HPS6	9.39E+02
ENSBTAG000000047642	0	0		1.00E+00
ENSBTAG000000005267	1.74E-10	0		1.74E+03
ENSBTAG00000015913	0	3.63E-11	MFHAS1	2.75E-03
ENSBTAG00000033140	0	2.65E-10	LRR3B	3.77E-04
ENSBTAG00000010606	0	1.21E-10	PPP1R3B	8.26E-04
ENSBTAG00000020468	1.17E-10	3.89E-10	MICU3	3.01E-01
ENSBTAG00000020084	1.52E-10	5.01E-10	LONRF1	3.03E-01
ENSBTAG00000044043	9.28E-11	2.77E-10	FGF20	3.35E-01
ENSBTAG00000014737	1.67E-10	4.53E-10	VEGFC	3.70E-01
ENSBTAG00000033304	6.29E-11	1.59E-10	C8orf4	3.96E-01
ENSBTAG00000033381	6.12E-11	1.54E-10		3.98E-01
ENSBTAG00000017183	1.10E-10	2.63E-10	PDLIM3	4.17E-01
ENSBTAG00000004238	2.38E-10	5.23E-10	TACC1	4.56E-01
ENSBTAG00000019532	2.45E-10	4.86E-10	HTRA4	5.04E-01
ENSBTAG00000018036	1.03E-10	1.99E-10	CNOT7	5.20E-01
ENSBTAG00000010372	1.72E-10	3.17E-10	MTMR7	5.43E-01
ENSBTAG00000003081	2.17E-10	3.91E-10	RWDD4	5.54E-01
ENSBTAG00000003509	3.78E-10	5.60E-10	PLEKHA2	6.75E-01
ENSBTAG00000007031	1.69E-10	2.44E-10	OXSM	6.94E-01
ENSBTAG00000048171	6.33E-10	9.04E-10		7.00E-01
ENSBTAG000000044208	1.98E-10	2.81E-10	DUSP4	7.04E-01
ENSBTAG00000010355	3.02E-10	4.30E-10	VPS37A	7.03E-01
ENSBTAG00000018713	5.02E-10	6.96E-10		7.21E-01
ENSBTAG000000047706	2.53E-10	3.48E-10	ING2	7.28E-01
ENSBTAG00000021263	2.25E-10	2.96E-10	CYP4V2	7.60E-01
ENSBTAG00000000743	2.64E-10	3.44E-10	MBOAT4	7.67E-01
ENSBTAG00000045990	2.54E-10	3.19E-10		7.95E-01
ENSBTAG00000017981	2.61E-10	3.29E-10	ADRB3	7.93E-01

ENSBTAG00000045626	2.77E-10	3.49E-10		7.93E-01
ENSBTAG00000033345	9.93E-11	1.25E-10	STAR	7.95E-01
ENSBTAG00000026515	6.35E-10	8.00E-10		7.94E-01
ENSBTAG00000045531	5.14E-11	6.48E-11		7.93E-01
ENSBTAG00000038504	9.55E-11	1.20E-10		7.96E-01
ENSBTAG00000039328	1.56E-10	1.96E-10	PURG	7.94E-01
ENSBTAG00000027665	7.81E-10	9.60E-10	BRF2	8.14E-01
ENSBTAG00000010351	5.01E-10	6.11E-10	SNX25	8.20E-01
ENSBTAG00000012191	2.27E-10	2.76E-10	WWC2	8.21E-01
ENSBTAG00000009685	2.93E-10	3.56E-10		8.22E-01
ENSBTAG00000014056	5.20E-10	6.32E-10	CHRNA6	8.23E-01
ENSBTAG00000005094	8.39E-10	1.01E-09	LRP2BP	8.30E-01
ENSBTAG00000000744	4.32E-10	5.21E-10	DCTN6	8.30E-01
ENSBTAG00000004593	4.91E-10	5.81E-10	TOP2B	8.45E-01
ENSBTAG00000034952	4.31E-10	5.02E-10		8.59E-01
ENSBTAG00000003572	5.50E-10	6.27E-10	F11	8.77E-01
ENSBTAG00000007473	8.13E-10	9.27E-10	XKR5	8.77E-01
ENSBTAG00000013579	3.08E-10	3.47E-10	SARAF	8.88E-01
ENSBTAG00000017021	5.40E-10	6.02E-10		8.97E-01
ENSBTAG00000014141	8.56E-10	9.50E-10	SPATA4	9.01E-01
ENSBTAG00000010085	2.66E-10	2.94E-10	SLC7A2	9.05E-01
ENSBTAG00000001463	6.31E-10	6.96E-10	TNKS	9.07E-01
ENSBTAG00000003793	2.37E-10	2.61E-10	NGLY1	9.07E-01
ENSBTAG000000034954	3.64E-10	4.01E-10		9.07E-01
ENSBTAG00000013208	1.63E-10	1.80E-10	SLC25A4	9.07E-01
ENSBTAG00000008682	5.34E-10	5.87E-10	TLR3	9.09E-01
ENSBTAG00000014135	8.38E-10	9.19E-10	WDR17	9.11E-01
ENSBTAG00000017133	2.44E-10	2.67E-10	GINS4	9.12E-01
ENSBTAG000000008950	2.74E-10	2.99E-10	KIAA1456	9.16E-01
ENSBTAG00000008585	8.76E-10	9.53E-10	ARHGGEF10	9.20E-01
ENSBTAG000000047363	1.56E-09	1.68E-09		9.26E-01
ENSBTAG000000046937	2.91E-10	3.14E-10		9.28E-01
ENSBTAG00000005825	6.82E-10	7.31E-10	NEIL3	9.33E-01
ENSBTAG00000005725	8.41E-10	8.98E-10	IDO2	9.37E-01
ENSBTAG00000011518	4.27E-10	4.50E-10	RARB	9.48E-01
ENSBTAG00000027625	3.58E-10	3.77E-10	SFRP1	9.50E-01
ENSBTAG00000000226	2.82E-10	2.96E-10	DKK4	9.53E-01
ENSBTAG00000007422	3.29E-10	3.45E-10	TRAPPC11	9.54E-01
ENSBTAG00000004344	1.97E-10	2.05E-10	ACSL1	9.62E-01
ENSBTAG000000034430	7.24E-10	7.55E-10	C4orf47	9.59E-01
ENSBTAG00000013145	1.24E-10	1.29E-10	DDHD2	9.60E-01
ENSBTAG00000048249	7.31E-10	7.58E-10		9.65E-01
ENSBTAG00000000357	2.74E-10	2.80E-10		9.78E-01
ENSBTAG000000001186	7.23E-10	7.40E-10	SH2D4A	9.77E-01
ENSBTAG00000020282	7.37E-10	7.45E-10	DCTD	9.89E-01
ENSBTAG00000013211	4.65E-10	4.69E-10	CFAP97	9.91E-01
ENSBTAG00000013581	1.67E-10	1.68E-10	LEPROTL1	9.93E-01
ENSBTAG00000009408	3.37E-10	3.39E-10	ADAM2	9.95E-01
ENSBTAG00000001966	6.60E-10	6.63E-10	PDGFRL	9.95E-01
ENSBTAG00000034393	3.58E-10	3.59E-10		9.98E-01
ENSBTAG00000016473	1.08E-09	1.07E-09	NAT1	1.01E+00
ENSBTAG00000014861	5.19E-10	5.09E-10	SLC20A2	1.02E+00
ENSBTAG00000011034	2.12E-10	2.05E-10	ANGPT2	1.04E+00
ENSBTAG00000002885	3.61E-10	3.48E-10	MSR1	1.04E+00
ENSBTAG000000027654	4.74E-10	4.55E-10	EIF4EBP1	1.04E+00
ENSBTAG00000015463	1.83E-10	1.75E-10	TTI2	1.04E+00
ENSBTAG00000027629	5.31E-10	5.06E-10		1.05E+00
ENSBTAG00000015541	2.75E-10	2.61E-10	DLC1	1.05E+00
ENSBTAG00000009501	2.06E-10	1.94E-10	KLKB1	1.06E+00
ENSBTAG00000013943	1.19E-10	1.12E-10	ZNF703	1.06E+00
ENSBTAG00000005730	2.10E-10	1.97E-10	GPAT4	1.07E+00
ENSBTAG00000018495	2.71E-10	2.50E-10		1.08E+00
ENSBTAG000000039682	5.46E-10	5.04E-10	MTUS1	1.08E+00
ENSBTAG00000011573	2.85E-10	2.63E-10	ENPP6	1.08E+00
ENSBTAG00000040445	4.12E-10	3.79E-10		1.09E+00
ENSBTAG00000007630	3.53E-10	3.23E-10	RNF170	1.09E+00
ENSBTAG00000027118	6.11E-10	5.56E-10	KCNU1	1.10E+00
ENSBTAG00000004922	3.41E-10	3.10E-10	AGPAT5	1.10E+00
ENSBTAG00000047749	2.63E-10	2.39E-10		1.10E+00
ENSBTAG00000020657	3.51E-10	3.19E-10	FAT1	1.10E+00

ENSBTAG00000017831	2.06E-10	1.87E-10	ERLIN2	1.10E+00
ENSBTAG00000018454	2.10E-10	1.87E-10	UFSP2	1.12E+00
ENSBTAG00000033504	1.62E-10	1.43E-10	MAK16	1.14E+00
ENSBTAG00000010241	5.20E-10	4.52E-10	UNC5D	1.15E+00
ENSBTAG00000014146	3.47E-10	3.01E-10	SPCS3	1.15E+00
ENSBTAG00000007634	7.22E-10	6.21E-10	HOOK3	1.16E+00
ENSBTAG00000046938	4.31E-10	3.69E-10	MTNR1A	1.17E+00
ENSBTAG00000012691	3.50E-10	2.99E-10	GTF2E2	1.17E+00
ENSBTAG00000007051	2.79E-10	2.34E-10	CLDN23	1.19E+00
ENSBTAG000000016411	3.32E-10	2.79E-10	RNF122	1.19E+00
ENSBTAG00000047159	2.69E-10	2.26E-10		1.19E+00
ENSBTAG00000008639	1.42E-10	1.19E-10	TRIML1	1.19E+00
ENSBTAG00000004231	3.31E-10	2.77E-10	GPM6A	1.20E+00
ENSBTAG000000015457	2.29E-10	1.92E-10	FGFR1	1.20E+00
ENSBTAG00000001529	1.39E-10	1.16E-10	WHSC1L1	1.19E+00
ENSBTAG00000009739	6.76E-10	5.62E-10	CSMD1	1.20E+00
ENSBTAG00000000979	2.87E-10	2.39E-10	SMIM19	1.20E+00
ENSBTAG00000008584	5.47E-10	4.50E-10		1.22E+00
ENSBTAG00000001243	2.51E-10	2.05E-10	AP3M2	1.23E+00
ENSBTAG00000046144	6.11E-10	4.89E-10	DEFB7	1.25E+00
ENSBTAG000000023157	1.38E-09	1.09E-09		1.26E+00
ENSBTAG000000021592	6.14E-10	4.86E-10	WRN	1.26E+00
ENSBTAG000000033727	2.72E-10	2.15E-10	RBPM5	1.27E+00
ENSBTAG000000027225	3.52E-10	2.77E-10		1.27E+00
ENSBTAG000000045830	6.50E-10	5.11E-10		1.27E+00
ENSBTAG00000008814	4.60E-10	3.56E-10	ADGRA2	1.29E+00
ENSBTAG00000000225	3.41E-10	2.58E-10	POLB	1.32E+00
ENSBTAG00000000957	1.15E-10	8.71E-11		1.32E+00
ENSBTAG00000018453	1.57E-10	1.19E-10	ANKRD37	1.32E+00
ENSBTAG00000047421	2.39E-10	1.81E-10		1.32E+00
ENSBTAG00000045649	1.02E-09	7.66E-10		1.33E+00
ENSBTAG000000027635	2.47E-10	1.82E-10	PLPP5	1.36E+00
ENSBTAG000000017083	1.26E-10	9.26E-11	TEX15	1.36E+00
ENSBTAG000000033137	6.69E-10	4.90E-10	PSD3	1.37E+00
ENSBTAG00000005454	6.60E-10	4.82E-10	FUT10	1.37E+00
ENSBTAG00000016446	5.58E-10	4.06E-10	GOT1L1	1.37E+00
ENSBTAG00000004613	6.28E-10	4.57E-10	CSGALNACT1	1.37E+00
ENSBTAG00000009191	7.85E-10	5.68E-10	TUSC3	1.38E+00
ENSBTAG00000001244	2.02E-10	1.46E-10	PLAT	1.38E+00
ENSBTAG000000011684	4.81E-10	3.43E-10	RAB11FIP1	1.40E+00
ENSBTAG000000021133	6.42E-10	4.49E-10	TENM3	1.43E+00
ENSBTAG00000046405	7.61E-10	5.31E-10		1.43E+00
ENSBTAG00000011075	3.01E-10	2.06E-10	PROSC	1.46E+00
ENSBTAG00000008637	5.76E-10	3.89E-10	TRIML2	1.48E+00
ENSBTAG00000016486	4.33E-10	2.89E-10		1.50E+00
ENSBTAG000000033312	7.50E-10	5.00E-10		1.50E+00
ENSBTAG000000011032	2.77E-10	1.82E-10	MCPH1	1.52E+00
ENSBTAG00000007089	4.21E-10	2.76E-10	FRG1	1.52E+00
ENSBTAG000000027626	1.63E-10	1.05E-10	GOLGA7	1.55E+00
ENSBTAG00000000978	1.27E-10	8.18E-11	ASH2L	1.55E+00
ENSBTAG000000016177	2.13E-10	1.37E-10	FGL1	1.56E+00
ENSBTAG000000039856	8.55E-10	5.45E-10		1.57E+00
ENSBTAG00000015444	2.01E-10	1.27E-10	LETM2	1.59E+00
ENSBTAG00000018284	1.70E-10	1.07E-10	KBTBD11	1.59E+00
ENSBTAG000000047740	3.97E-10	2.50E-10		1.59E+00
ENSBTAG000000024526	1.73E-10	1.09E-10		1.58E+00
ENSBTAG00000007629	1.87E-10	1.17E-10	THAP1	1.59E+00
ENSBTAG00000012207	2.47E-10	1.56E-10		1.59E+00
ENSBTAG00000008519	4.72E-10	2.97E-10		1.59E+00
ENSBTAG00000047284	7.72E-10	4.85E-10		1.59E+00
ENSBTAG000000022767	1.44E-09	9.01E-10		1.60E+00
ENSBTAG00000009387	5.24E-10	3.17E-10	MYOM2	1.65E+00
ENSBTAG000000014143	6.29E-10	3.70E-10	ASB5	1.70E+00
ENSBTAG00000017420	1.05E-09	6.13E-10	ZMAT4	1.71E+00
ENSBTAG00000007115	5.09E-10	2.96E-10	GSR	1.72E+00
ENSBTAG00000008886	3.72E-10	2.12E-10	STOX2	1.75E+00
ENSBTAG00000007599	6.20E-10	3.48E-10	IKKBK	1.78E+00
ENSBTAG00000007477	7.04E-10	3.86E-10	ZNF596	1.82E+00
ENSBTAG00000044194	5.01E-10	2.73E-10	ZDHHC2	1.84E+00
ENSBTAG00000046204	1.85E-10	9.97E-11	ZNF705A	1.85E+00

ENSBTAG00000014068	3.63E-10	1.90E-10		1.91E+00
ENSBTAG00000033545	6.75E-10	3.43E-10		1.97E+00
ENSBTAG00000004830	6.12E-10	3.09E-10	ADAM18	1.98E+00
ENSBTAG00000007236	1.52E-10	7.66E-11	PCM1	1.98E+00
ENSBTAG00000009406	2.86E-10	1.44E-10		1.99E+00
ENSBTAG00000003275	7.99E-10	4.01E-10		1.99E+00
ENSBTAG00000016413	3.61E-10	1.72E-10	DUSP26	2.10E+00
ENSBTAG00000023146	5.94E-10	2.83E-10	ADAM32	2.10E+00
ENSBTAG00000025003	4.59E-10	2.16E-10	INTS10	2.13E+00
ENSBTAG00000017455	4.34E-10	2.03E-10	ADAM9	2.14E+00
ENSBTAG00000020602	4.52E-10	2.08E-10	IDO1	2.17E+00
ENSBTAG00000033182	1.12E-09	5.14E-10	HGSNAT	2.19E+00
ENSBTAG00000046071	4.18E-10	1.87E-10		2.23E+00
ENSBTAG00000013143	2.38E-10	1.04E-10	BAG4	2.29E+00
ENSBTAG00000044139	2.77E-10	1.16E-10	ZFP42	2.39E+00
ENSBTAG00000017157	5.81E-10	2.40E-10	CCDC110	2.42E+00
ENSBTAG00000007340	9.11E-10	3.49E-10		2.61E+00
ENSBTAG00000010002	4.05E-10	1.53E-10	IRF2	2.64E+00
ENSBTAG00000017085	3.73E-10	1.38E-10	AGA	2.70E+00
ENSBTAG00000011257	3.31E-10	1.20E-10	ASAH1	2.76E+00
ENSBTAG00000047930	6.84E-10	2.23E-10		3.07E+00
ENSBTAG00000018863	5.65E-10	1.81E-10	PRIMPOL	3.12E+00
ENSBTAG00000047857	4.30E-10	1.37E-10		3.14E+00
ENSBTAG00000006680	6.54E-10	2.04E-10	NKIRAS1	3.21E+00
ENSBTAG00000018024	4.40E-10	1.34E-10	NR1D2	3.28E+00
ENSBTAG00000017802	7.28E-10	2.20E-10	THRB	3.31E+00
ENSBTAG00000004015	3.63E-10	1.06E-10	KAT6A	3.42E+00
ENSBTAG00000015874	4.84E-10	1.35E-10	CASP3	3.58E+00
ENSBTAG00000004150	2.28E-10	6.34E-11	NRG1	3.60E+00
ENSBTAG00000004173	3.49E-10	8.89E-11	UBXN8	3.92E+00
ENSBTAG00000003649	7.55E-10	1.78E-10	POMK	4.24E+00
ENSBTAG00000009245	4.78E-10	1.10E-10	PPP2CB	4.34E+00
ENSBTAG00000045690	2.42E-09	5.43E-10		4.45E+00
ENSBTAG00000003201	7.52E-10	1.69E-10	FNTA	4.45E+00
ENSBTAG00000003516	9.23E-10	2.04E-10	TM2D2	4.52E+00
ENSBTAG00000018864	8.94E-10	1.96E-10	CENPU	4.56E+00
ENSBTAG00000035183	5.89E-10	1.23E-10		4.78E+00
ENSBTAG00000012209	7.56E-10	1.58E-10		4.78E+00
ENSBTAG00000045505	1.66E-09	2.82E-10		5.89E+00
ENSBTAG00000021882	5.03E-10	6.31E-11		7.96E+00
ENSBTAG00000014050	6.99E-10	7.96E-11	CHRN3	8.77E+00
ENSBTAG00000033080	5.84E-10	5.23E-11	RPL15	1.11E+01
ENSBTAG00000047643	1.18E-09	6.98E-11	C8orf48	1.68E+01
ENSBTAG00000001612	6.42E-10	2.40E-11	LSM1	2.66E+01
ENSBTAG00000035013	3.38E-10	0		3.38E+03
ENSBTAG00000010248	1.72E-10	0		1.72E+03
ENSBTAG00000014704	4.57E-11	0	HELT	4.58E+02
ENSBTAG00000023987	3.00E-10	1.35E-09	LRIT2	2.22E-01
ENSBTAG00000047666	2.08E-10	7.00E-10		2.97E-01
ENSBTAG00000046409	1.34E-10	4.06E-10	EGR2	3.30E-01
ENSBTAG00000047323	3.79E-10	1.05E-09		3.61E-01
ENSBTAG00000045493	4.84E-10	1.23E-09		3.94E-01
ENSBTAG00000026085	2.14E-10	5.27E-10	ZP4	4.07E-01
ENSBTAG00000021728	3.29E-10	4.60E-10	OGDHL	7.15E-01
ENSBTAG00000021132	1.10E-10	1.54E-10		7.14E-01
ENSBTAG00000009348	4.92E-10	6.70E-10	OIT3	7.34E-01
ENSBTAG00000017611	1.97E-10	2.63E-10	CCSER2	7.50E-01
ENSBTAG00000039837	7.03E-10	9.35E-10		7.52E-01
ENSBTAG00000013068	1.59E-10	2.09E-10	GGPS1	7.60E-01
ENSBTAG00000007878	2.08E-10	2.70E-10	ARHGAP22	7.69E-01
ENSBTAG00000007876	2.15E-10	2.80E-10	MAPK8	7.69E-01
ENSBTAG00000011694	5.98E-10	7.69E-10		7.78E-01
ENSBTAG00000046421	7.21E-10	9.19E-10		7.85E-01
ENSBTAG00000019565	3.75E-10	4.77E-10	NCOA4	7.86E-01
ENSBTAG00000017521	1.79E-10	2.25E-10	ATO7	7.94E-01
ENSBTAG00000039845	2.51E-10	3.17E-10		7.93E-01
ENSBTAG00000012566	5.88E-11	7.41E-11	MAP10	7.93E-01
ENSBTAG00000013264	2.33E-10	2.94E-10		7.92E-01
ENSBTAG00000017946	8.26E-11	1.04E-10		7.94E-01
ENSBTAG00000001008	6.71E-11	8.45E-11	PRF1	7.94E-01

ENSBTAG00000008853	8.81E-11	1.11E-10		7.94E-01
ENSBTAG00000011707	2.51E-10	3.16E-10	ORSAS1	7.94E-01
ENSBTAG000000032655	2.08E-10	2.62E-10		7.94E-01
ENSBTAG00000019039	2.56E-10	3.22E-10	ZNF239	7.95E-01
ENSBTAG00000013544	5.45E-10	6.76E-10	LGALS8	8.06E-01
ENSBTAG00000015681	9.34E-10	1.15E-09	RGR	8.12E-01
ENSBTAG00000003515	6.49E-10	7.95E-10	SNCG	8.17E-01
ENSBTAG00000001165	1.65E-10	2.02E-10	AIFM2	8.17E-01
ENSBTAG00000010932	4.32E-10	5.22E-10	DNAJC12	8.28E-01
ENSBTAG00000000315	4.56E-10	5.46E-10	ECD	8.35E-01
ENSBTAG00000005666	5.57E-10	6.62E-10	LRRC20	8.42E-01
ENSBTAG00000017053	1.75E-10	2.08E-10	ABCB10	8.42E-01
ENSBTAG00000012664	2.04E-10	2.38E-10		8.55E-01
ENSBTAG000000033008	1.84E-10	2.14E-10	MYOZ1	8.60E-01
ENSBTAG00000003510	3.40E-10	3.94E-10	MMRN2	8.63E-01
ENSBTAG00000004965	5.03E-10	5.78E-10	NUP133	8.69E-01
ENSBTAG00000016191	4.25E-10	4.89E-10	ZNF32	8.70E-01
ENSBTAG000000021416	9.71E-10	1.11E-09	FAM213A	8.75E-01
ENSBTAG00000001231	5.80E-10	6.62E-10	CDHR1	8.75E-01
ENSBTAG00000000221	3.79E-10	4.29E-10	RBM34	8.83E-01
ENSBTAG00000000949	1.75E-10	1.96E-10	DNAJC9	8.95E-01
ENSBTAG00000000222	1.37E-10	1.53E-10	ARID4B	8.93E-01
ENSBTAG00000013090	1.04E-10	1.16E-10	NODAL	8.96E-01
ENSBTAG000000024811	5.40E-10	6.05E-10		8.93E-01
ENSBTAG000000003442	3.45E-10	3.80E-10	LRIT1	9.09E-01
ENSBTAG000000004702	3.02E-10	3.33E-10		9.07E-01
ENSBTAG000000004517	5.67E-10	6.17E-10	TARBP1	9.19E-01
ENSBTAG00000019313	3.58E-10	3.86E-10	ZMIZ1	9.29E-01
ENSBTAG000000048036	1.72E-09	1.85E-09		9.28E-01
ENSBTAG00000018356	2.82E-10	3.02E-10		9.33E-01
ENSBTAG00000011108	1.89E-10	2.02E-10	USP54	9.36E-01
ENSBTAG000000001573	3.48E-10	3.67E-10	JMJD1C	9.49E-01
ENSBTAG000000027205	1.23E-09	1.29E-09	PGBD5	9.53E-01
ENSBTAG00000016814	6.15E-10	6.45E-10	CHAT	9.54E-01
ENSBTAG00000005963	1.29E-09	1.35E-09	MAT1A	9.55E-01
ENSBTAG000000032829	4.29E-10	4.47E-10	GHITM	9.59E-01
ENSBTAG00000019537	4.32E-10	4.49E-10		9.62E-01
ENSBTAG000000021499	9.62E-10	9.92E-10	PSAP	9.70E-01
ENSBTAG000000003910	6.11E-10	6.26E-10	SH2D4B	9.77E-01
ENSBTAG0000000044197	6.05E-10	6.13E-10	EDARADD	9.87E-01
ENSBTAG00000018707	2.65E-10	2.68E-10	LDB3	9.88E-01
ENSBTAG00000010765	2.63E-10	2.64E-10	C1orf131	9.97E-01
ENSBTAG00000016711	1.13E-09	1.13E-09	PIIF	9.96E-01
ENSBTAG000000012657	2.00E-10	2.00E-10	ZSWIM8	9.98E-01
ENSBTAG000000005568	3.53E-10	3.52E-10	FRMPD2	1.00E+00
ENSBTAG00000016527	5.41E-10	5.38E-10	C10orf35	1.01E+00
ENSBTAG00000001163	3.10E-10	3.07E-10	H2AFY2	1.01E+00
ENSBTAG000000019164	5.08E-10	5.02E-10	RHOBTB1	1.01E+00
ENSBTAG00000001019	5.16E-10	5.10E-10	GDF10	1.01E+00
ENSBTAG00000010180	6.68E-10	6.58E-10	URB2	1.01E+00
ENSBTAG000000047537	2.61E-10	2.57E-10		1.02E+00
ENSBTAG000000006536	3.08E-10	3.02E-10		1.02E+00
ENSBTAG000000040143	7.51E-10	7.35E-10	OR13A1	1.02E+00
ENSBTAG00000023074	4.06E-10	3.96E-10	C1orf198	1.03E+00
ENSBTAG00000016882	1.17E-10	1.15E-10	VPS26A	1.02E+00
ENSBTAG00000019130	1.64E-10	1.60E-10	FAM149B1	1.03E+00
ENSBTAG00000014315	2.62E-10	2.53E-10	PBLD	1.04E+00
ENSBTAG00000004870	6.25E-10	6.03E-10	GALNT2	1.04E+00
ENSBTAG000000000079	9.28E-10	8.93E-10	CCSAP	1.04E+00
ENSBTAG000000022886	4.87E-10	4.68E-10	RYR2	1.04E+00
ENSBTAG00000010591	6.03E-10	5.76E-10	ZNF365	1.05E+00
ENSBTAG000000047227	3.08E-10	2.91E-10		1.06E+00
ENSBTAG000000000224	5.50E-10	5.16E-10	TSPAN15	1.07E+00
ENSBTAG00000023039	2.24E-10	2.09E-10		1.07E+00
ENSBTAG00000020319	4.15E-10	3.89E-10	ALOX5	1.07E+00
ENSBTAG00000023073	1.96E-10	1.84E-10	FAM89A	1.07E+00
ENSBTAG00000012380	5.05E-10	4.66E-10	HK1	1.08E+00
ENSBTAG00000000942	4.72E-10	4.34E-10	SIPA1L2	1.09E+00
ENSBTAG00000013259	2.40E-10	2.18E-10	POLR3A	1.10E+00
ENSBTAG00000018915	7.90E-10	7.16E-10	FAM21A	1.10E+00

ENSBTAG0000001044	7.30E-10	6.58E-10	SUPV3L1	1.11E+00
ENSBTAG00000012654	4.51E-10	4.05E-10	CHCHD1	1.11E+00
ENSBTAG00000020361	5.34E-10	4.80E-10	SLC35F3	1.11E+00
ENSBTAG00000011741	5.29E-10	4.72E-10	COL13A1	1.12E+00
ENSBTAG00000017540	4.55E-10	4.05E-10	FAM13C	1.12E+00
ENSBTAG00000019623	7.69E-10	6.82E-10	GRID1	1.13E+00
ENSBTAG00000000162	4.32E-10	3.83E-10	ANAPC16	1.13E+00
ENSBTAG00000011660	8.47E-10	7.46E-10	MSMB	1.13E+00
ENSBTAG00000013735	4.45E-10	3.89E-10	TBCE	1.14E+00
ENSBTAG00000025021	3.15E-10	2.75E-10		1.15E+00
ENSBTAG00000012251	4.60E-10	4.02E-10	MTR	1.15E+00
ENSBTAG00000021883	1.42E-10	1.24E-10	AP3M1	1.14E+00
ENSBTAG00000009350	6.68E-10	5.82E-10	PLA2G12B	1.15E+00
ENSBTAG00000013592	1.06E-10	9.25E-11	ZNF248	1.15E+00
ENSBTAG00000007244	3.67E-10	3.15E-10	NID1	1.16E+00
ENSBTAG00000012476	1.77E-10	1.52E-10	NRBF2	1.17E+00
ENSBTAG00000018691	2.15E-10	1.84E-10	RHO	1.17E+00
ENSBTAG00000023018	2.93E-10	2.50E-10	PARG	1.17E+00
ENSBTAG00000008583	3.34E-10	2.86E-10	PALD1	1.17E+00
ENSBTAG00000000535	4.68E-10	4.00E-10	PCNX2	1.17E+00
ENSBTAG00000044100	2.55E-10	2.18E-10	HEATR1	1.17E+00
ENSBTAG00000019525	1.65E-10	1.40E-10		1.18E+00
ENSBTAG00000021180	3.50E-10	2.98E-10	TBATA	1.17E+00
ENSBTAG00000006729	2.48E-10	2.11E-10	ARID5B	1.18E+00
ENSBTAG00000045699	5.42E-10	4.59E-10	CTNNA3	1.18E+00
ENSBTAG00000047119	7.69E-10	6.50E-10		1.18E+00
ENSBTAG00000010367	3.07E-10	2.58E-10	TTC13	1.19E+00
ENSBTAG00000021183	5.52E-10	4.65E-10		1.19E+00
ENSBTAG00000038418	1.36E-10	1.14E-10		1.19E+00
ENSBTAG00000012977	4.75E-10	3.98E-10	COMTD1	1.19E+00
ENSBTAG00000033457	2.37E-10	1.99E-10		1.19E+00
ENSBTAG00000046332	2.68E-10	2.25E-10	ACTA1	1.19E+00
ENSBTAG00000010773	2.88E-10	2.40E-10	GNPAT	1.20E+00
ENSBTAG00000012975	2.47E-10	2.03E-10	VDAC2	1.22E+00
ENSBTAG00000014938	9.21E-10	7.54E-10	PTPN20	1.22E+00
ENSBTAG00000002791	4.16E-10	3.37E-10	SEC24C	1.24E+00
ENSBTAG00000010930	1.82E-10	1.48E-10	NPFFR1	1.23E+00
ENSBTAG00000023054	1.48E-10	1.19E-10	SLC25A16	1.24E+00
ENSBTAG00000000392	9.72E-10	7.83E-10	ASCC1	1.24E+00
ENSBTAG00000012667	3.73E-10	3.00E-10	CAMK2G	1.24E+00
ENSBTAG00000004515	8.25E-10	6.62E-10	KCNK1	1.25E+00
ENSBTAG00000037756	2.09E-10	1.67E-10	TET1	1.25E+00
ENSBTAG00000047877	4.35E-10	3.46E-10	TRIM67	1.26E+00
ENSBTAG00000014023	1.76E-10	1.40E-10	SIRT1	1.26E+00
ENSBTAG00000021822	9.57E-11	7.59E-11	ARV1	1.26E+00
ENSBTAG00000011991	4.66E-10	3.69E-10	DRGX	1.26E+00
ENSBTAG00000021177	4.68E-10	3.70E-10	ADAMTS14	1.27E+00
ENSBTAG00000019052	3.69E-10	2.91E-10	ANK3	1.27E+00
ENSBTAG00000009763	5.73E-10	4.50E-10		1.27E+00
ENSBTAG00000008619	4.16E-10	3.23E-10	SAMD8	1.29E+00
ENSBTAG00000023032	4.13E-10	3.19E-10	SFTPA1	1.30E+00
ENSBTAG00000002908	1.21E-09	9.31E-10	GNG4	1.30E+00
ENSBTAG00000007540	3.79E-10	2.92E-10	GLUD1	1.30E+00
ENSBTAG00000033398	7.35E-10	5.60E-10	HKDC1	1.31E+00
ENSBTAG00000006719	2.17E-10	1.65E-10	ZFAND4	1.32E+00
ENSBTAG00000013187	2.92E-10	2.22E-10	DLG5	1.32E+00
ENSBTAG00000034225	3.27E-10	2.48E-10	TAF5L	1.32E+00
ENSBTAG00000000950	2.24E-10	1.69E-10	MRPS16	1.32E+00
ENSBTAG00000002669	3.67E-10	2.76E-10	RASSF4	1.33E+00
ENSBTAG00000002792	3.87E-10	2.89E-10	FUT11	1.34E+00
ENSBTAG00000000570	7.29E-10	5.44E-10	RET	1.34E+00
ENSBTAG00000012213	1.36E-10	1.01E-10	WAPL	1.34E+00
ENSBTAG00000001656	7.63E-10	5.68E-10	TMEM254	1.34E+00
ENSBTAG00000013300	4.93E-10	3.61E-10	KCNMA1	1.37E+00
ENSBTAG00000021879	2.82E-10	2.07E-10	VCL	1.36E+00
ENSBTAG00000023028	6.12E-10	4.38E-10	WDFY4	1.40E+00
ENSBTAG00000032527	7.17E-10	5.10E-10	ERCC6	1.41E+00
ENSBTAG00000048082	5.81E-10	4.08E-10	CL46	1.42E+00
ENSBTAG00000010967	1.30E-10	8.95E-11		1.45E+00
ENSBTAG00000002614	2.16E-10	1.48E-10	RUFY2	1.46E+00

ENSBTAG00000010947	5.34E-10	3.62E-10	PHYHIPL	1.47E+00
ENSBTAG00000010888	7.14E-10	4.83E-10	C10orf54	1.48E+00
ENSBTAG00000016885	5.80E-10	3.93E-10	LRRTM3	1.48E+00
ENSBTAG00000046024	1.09E-10	7.38E-11		1.47E+00
ENSBTAG00000014561	4.34E-10	2.93E-10	KIF1BP	1.48E+00
ENSBTAG00000008827	6.94E-10	4.67E-10	SPOCK2	1.49E+00
ENSBTAG00000003546	9.07E-10	6.08E-10	TFAM	1.49E+00
ENSBTAG00000003877	7.42E-10	4.92E-10	ZCCHC24	1.51E+00
ENSBTAG00000023023	7.22E-10	4.76E-10	ANTXRL	1.52E+00
ENSBTAG00000021497	8.08E-10	5.27E-10	CDH23	1.53E+00
ENSBTAG00000013651	3.69E-10	2.39E-10	DNAJB12	1.54E+00
ENSBTAG00000016858	4.95E-10	3.20E-10	SAR1A	1.55E+00
ENSBTAG00000013750	8.16E-10	5.25E-10	B3GALNT2	1.55E+00
ENSBTAG00000019194	5.69E-10	3.63E-10	FAM35A	1.57E+00
ENSBTAG00000018857	6.00E-10	3.82E-10	RAB4A	1.57E+00
ENSBTAG00000047340	1.46E-10	9.17E-11		1.59E+00
ENSBTAG00000014270	5.84E-10	3.69E-10	UNC5B	1.58E+00
ENSBTAG00000006042	2.00E-10	1.26E-10	C10orf128	1.59E+00
ENSBTAG00000000163	8.16E-11	5.14E-11	DDIT4	1.59E+00
ENSBTAG00000014506	1.03E-10	6.51E-11	ZNF503	1.59E+00
ENSBTAG00000005165	3.03E-10	1.90E-10	CSGALNACT2	1.59E+00
ENSBTAG00000018960	2.36E-10	1.48E-10		1.59E+00
ENSBTAG00000011072	4.94E-10	3.10E-10		1.59E+00
ENSBTAG00000002670	1.15E-10	7.24E-11	C10orf10	1.59E+00
ENSBTAG000000009696	2.61E-10	1.62E-10	ACTN2	1.61E+00
ENSBTAG00000019124	2.05E-10	1.26E-10	EIF4EBP2	1.62E+00
ENSBTAG00000024585	1.70E-10	1.05E-10	ZNF33B	1.62E+00
ENSBTAG00000000313	3.59E-10	2.17E-10	NUDT13	1.66E+00
ENSBTAG00000014020	2.49E-10	1.50E-10	RTKN2	1.66E+00
ENSBTAG00000006288	4.25E-10	2.55E-10	VSTM4	1.67E+00
ENSBTAG00000014316	2.10E-10	1.22E-10	HNRNPH3	1.72E+00
ENSBTAG000000047317	5.94E-10	3.45E-10		1.72E+00
ENSBTAG00000019028	1.98E-10	1.14E-10	STOX1	1.73E+00
ENSBTAG00000021664	5.19E-10	2.98E-10	TACR2	1.74E+00
ENSBTAG00000018499	1.04E-09	5.92E-10		1.75E+00
ENSBTAG00000038845	2.40E-10	1.36E-10	TYSND1	1.76E+00
ENSBTAG00000000830	5.54E-10	3.14E-10	GPR137B	1.76E+00
ENSBTAG00000032996	3.92E-10	2.21E-10	P4HA1	1.77E+00
ENSBTAG00000017509	1.61E-10	9.09E-11	MYPN	1.77E+00
ENSBTAG000000047402	1.93E-10	1.08E-10	FAM170B	1.79E+00
ENSBTAG00000020218	3.90E-10	2.17E-10	ANXA7	1.79E+00
ENSBTAG00000014484	6.24E-10	3.44E-10	TMEM26	1.81E+00
ENSBTAG00000006870	3.92E-10	2.13E-10	RASGEF1A	1.84E+00
ENSBTAG000000009984	2.17E-10	1.16E-10	SGPL1	1.87E+00
ENSBTAG00000000562	2.62E-10	1.40E-10		1.87E+00
ENSBTAG00000046355	1.75E-09	9.35E-10		1.87E+00
ENSBTAG00000010500	2.09E-10	1.11E-10		1.88E+00
ENSBTAG000000020219	9.44E-11	4.95E-11	MSS51	1.91E+00
ENSBTAG00000032774	1.83E-10	9.20E-11	ADIRF	1.98E+00
ENSBTAG00000011866	1.14E-09	5.46E-10	PCBD1	2.09E+00
ENSBTAG00000019755	3.08E-10	1.46E-10	REEP3	2.11E+00
ENSBTAG00000020939	4.28E-10	2.02E-10	PLAC9	2.12E+00
ENSBTAG00000007836	4.27E-10	1.99E-10	PPA1	2.14E+00
ENSBTAG00000009587	6.26E-10	2.92E-10		2.14E+00
ENSBTAG00000032858	6.16E-10	2.87E-10	DYDC1	2.15E+00
ENSBTAG00000003876	5.67E-10	2.62E-10	MCU	2.16E+00
ENSBTAG00000002920	2.78E-10	1.28E-10	KAT6B	2.17E+00
ENSBTAG00000020940	7.38E-10	3.36E-10	ANXA11	2.20E+00
ENSBTAG00000005003	4.82E-10	2.16E-10	RBP3	2.23E+00
ENSBTAG00000002955	1.31E-10	5.76E-11		2.27E+00
ENSBTAG00000005077	2.32E-10	1.02E-10		2.28E+00
ENSBTAG00000014029	1.98E-10	8.65E-11	HERC4	2.29E+00
ENSBTAG00000017863	1.24E-10	5.22E-11	SRGN	2.38E+00
ENSBTAG00000038178	6.00E-11	2.52E-11	ZNF25	2.38E+00
ENSBTAG00000006111	9.98E-11	4.19E-11	EXOC8	2.38E+00
ENSBTAG00000004760	2.17E-10	9.10E-11		2.38E+00
ENSBTAG00000000231	2.67E-10	1.08E-10	BMPRI1A	2.47E+00
ENSBTAG00000003189	2.82E-10	1.14E-10	CCDC6	2.47E+00
ENSBTAG00000046357	3.02E-10	1.20E-10		2.52E+00
ENSBTAG00000019792	3.66E-10	1.43E-10	SLC16A9	2.56E+00



ENSBTAG00000013935	9.27E-10	3.21E-10	NTPCR	2.89E+00
ENSBTAG00000006112	1.55E-10	5.31E-11	SPRTN	2.91E+00
ENSBTAG00000047434	5.74E-10	1.85E-10	TSNAX	3.10E+00
ENSBTAG00000048311	6.82E-10	2.14E-10		3.19E+00
ENSBTAG00000045788	9.30E-10	2.91E-10		3.20E+00
ENSBTAG00000002620	3.69E-10	1.11E-10	DNA2	3.32E+00
ENSBTAG00000010694	4.26E-10	1.21E-10	BICC1	3.52E+00
ENSBTAG00000048153	9.16E-10	2.55E-10		3.59E+00
ENSBTAG00000010109	4.63E-10	1.13E-10	CDK1	4.10E+00
ENSBTAG00000003907	8.04E-10	1.96E-10	TSPAN14	4.10E+00
ENSBTAG00000002924	4.37E-10	1.01E-10	DUPD1	4.33E+00
ENSBTAG00000034633	3.47E-10	7.88E-11	ERO1B	4.39E+00
ENSBTAG00000047535	1.10E-09	2.49E-10		4.40E+00
ENSBTAG00000045949	5.40E-10	1.18E-10		4.57E+00
ENSBTAG00000032800	2.40E-10	5.20E-11	OPN4	4.61E+00
ENSBTAG00000005807	7.75E-10	1.58E-10	MICU1	4.90E+00
ENSBTAG00000021220	1.01E-09	2.03E-10	TMEM72	4.97E+00
ENSBTAG00000033413	4.67E-10	9.05E-11	DDX50	5.16E+00
ENSBTAG00000005004	5.59E-10	1.00E-10	GDF2	5.59E+00
ENSBTAG00000005947	4.08E-10	6.82E-11	PLAU	5.97E+00
ENSBTAG00000047155	3.24E-10	4.79E-11	C10orf71	6.75E+00
ENSBTAG00000014558	8.03E-10	1.15E-10		6.98E+00
ENSBTAG00000045932	8.17E-10	1.06E-10		7.70E+00
ENSBTAG00000005996	9.90E-10	1.21E-10	LRRC18	8.17E+00
ENSBTAG000000046597	7.26E-10	7.57E-11	GPRIN2	9.58E+00
ENSBTAG00000032862	1.09E-09	1.11E-10	DYDC2	9.78E+00
ENSBTAG00000011014	7.35E-10	7.08E-11	CHST3	1.04E+01
ENSBTAG00000020314	1.04E-09	7.31E-11	COG2	1.42E+01
ENSBTAG00000016804	5.65E-10	2.79E-11	LYST	2.02E+01
ENSBTAG00000012393	5.12E-10	2.33E-11	AGT	2.19E+01
ENSBTAG00000012878	7.44E-10	2.03E-11	BMS1	3.65E+01
ENSBTAG00000004217	6.38E-11	0		6.39E+02
ENSBTAG000000026065	4.26E-10	0		4.26E+03
ENSBTAG00000045608	1.92E-10	0		1.93E+03
ENSBTAG00000046841	7.92E-11	0	IRF2BP2	7.93E+02
ENSBTAG00000033555	1.74E-10	0		1.74E+03
ENSBTAG00000019352	0	0	OR5D14	1.00E+00
ENSBTAG00000004624	1.23E-10	0		1.23E+03
ENSBTAG00000008059	0	0	CHRM3	1.00E+00
ENSBTAG000000045717	2.02E-10	0	ADO	2.02E+03
ENSBTAG00000006431	2.53E-10	0	NEUROG3	2.53E+03
ENSBTAG00000045826	2.20E-10	0	C10orf105	2.21E+03
ENSBTAG00000013585	4.86E-10	0		4.86E+03
ENSBTAG00000014990	5.20E-11	0	SLC18A3	5.21E+02
ENSBTAG00000038590	0	7.14E-11		1.40E-03
ENSBTAG00000031194	0	9.77E-11	PHLDA2	1.02E-03
ENSBTAG000000047349	0	3.75E-10		2.67E-04
ENSBTAG000000031875	1.69E-10	5.32E-10	BANF1	3.17E-01
ENSBTAG00000013398	1.19E-10	3.76E-10		3.17E-01
ENSBTAG00000006195	1.11E-10	2.79E-10	C11orf68	3.97E-01
ENSBTAG00000015248	3.99E-10	7.99E-10		4.99E-01
ENSBTAG00000014339	6.62E-11	1.25E-10	PUS3	5.30E-01
ENSBTAG00000018022	1.90E-10	3.54E-10	C11orf84	5.36E-01
ENSBTAG00000047090	2.63E-10	4.42E-10		5.95E-01
ENSBTAG00000010470	2.78E-10	4.68E-10	UQCC3	5.95E-01
ENSBTAG00000039511	4.81E-10	8.02E-10		6.00E-01
ENSBTAG00000005147	2.58E-10	3.96E-10	HPS5	6.50E-01
ENSBTAG00000016465	4.57E-10	6.83E-10	DHCR7	6.69E-01
ENSBTAG00000046644	1.69E-10	2.48E-10	HRAS	6.81E-01
ENSBTAG00000039036	2.19E-10	3.21E-10		6.81E-01
ENSBTAG00000001902	1.07E-10	1.54E-10	CEP295	6.95E-01
ENSBTAG00000034921	6.43E-10	9.01E-10		7.14E-01
ENSBTAG000000047758	7.47E-10	1.03E-09		7.25E-01
ENSBTAG00000000284	7.59E-10	1.04E-09	NAALAD2	7.30E-01
ENSBTAG00000017602	4.06E-10	5.52E-10	TMEM45B	7.36E-01
ENSBTAG00000012169	4.47E-10	6.06E-10		7.37E-01
ENSBTAG00000045802	1.97E-10	2.65E-10		7.43E-01
ENSBTAG00000018762	1.62E-10	2.19E-10	SLC22A12	7.40E-01
ENSBTAG00000002488	2.36E-10	3.10E-10	LDHC	7.62E-01
ENSBTAG00000039825	2.54E-10	3.31E-10		7.67E-01

ENSBTAG00000005577	1.39E-10	1.76E-10	RNASEH2C	7.92E-01
ENSBTAG00000047811	1.31E-10	1.65E-10		7.92E-01
ENSBTAG00000038802	1.69E-10	2.13E-10	OR8D4	7.94E-01
ENSBTAG00000002245	2.40E-10	3.02E-10	MRGPRX2	7.94E-01
ENSBTAG00000002751	2.25E-10	2.83E-10	VSTM5	7.94E-01
ENSBTAG00000020807	3.84E-10	4.84E-10		7.93E-01
ENSBTAG00000046410	3.51E-10	4.42E-10		7.94E-01
ENSBTAG00000047916	2.66E-10	3.36E-10		7.93E-01
ENSBTAG00000006740	3.57E-10	4.50E-10	SCYL1	7.94E-01
ENSBTAG00000018274	3.41E-10	4.30E-10	FADD	7.94E-01
ENSBTAG00000006629	3.36E-10	4.23E-10		7.94E-01
ENSBTAG00000046090	3.40E-10	4.28E-10		7.94E-01
ENSBTAG00000048298	2.28E-10	2.87E-10		7.93E-01
ENSBTAG00000021329	2.13E-10	2.68E-10	ZBTB3	7.94E-01
ENSBTAG00000033377	6.30E-10	7.94E-10		7.94E-01
ENSBTAG00000039970	4.83E-10	6.09E-10	PAG16	7.93E-01
ENSBTAG00000019015	6.23E-10	7.85E-10	IFITM3	7.94E-01
ENSBTAG00000014718	6.61E-11	8.33E-11		7.94E-01
ENSBTAG00000020203	6.13E-11	7.73E-11	TMEM151A	7.94E-01
ENSBTAG00000047614	8.09E-10	1.02E-09		7.93E-01
ENSBTAG00000031184	8.19E-11	1.03E-10	CDKN1C	7.96E-01
ENSBTAG00000033621	8.15E-10	1.03E-09	SMCO4	7.91E-01
ENSBTAG00000040340	6.62E-10	8.34E-10		7.94E-01
ENSBTAG00000047436	9.91E-10	1.25E-09		7.93E-01
ENSBTAG00000046647	8.33E-10	1.05E-09		7.93E-01
ENSBTAG00000003713	6.50E-11	8.19E-11	SSSCA1	7.94E-01
ENSBTAG00000018650	5.07E-10	6.39E-10	HEPACAM	7.94E-01
ENSBTAG00000048059	6.59E-11	8.30E-11	TMEM86A	7.94E-01
ENSBTAG00000017735	2.58E-10	3.26E-10		7.93E-01
ENSBTAG00000008530	5.17E-10	6.51E-10	SLC36A4	7.94E-01
ENSBTAG00000033656	1.43E-10	1.80E-10		7.94E-01
ENSBTAG00000007361	1.40E-10	1.76E-10	EHD1	7.94E-01
ENSBTAG00000022293	1.13E-10	1.42E-10	METTL12	7.95E-01
ENSBTAG00000009584	1.65E-10	2.06E-10	PPP6R3	8.01E-01
ENSBTAG00000002879	4.34E-10	5.35E-10	DCPS	8.12E-01
ENSBTAG00000011869	2.42E-10	2.95E-10	CSRP3	8.20E-01
ENSBTAG00000021456	4.73E-10	5.78E-10	MUS81	8.18E-01
ENSBTAG00000036172	2.61E-10	3.17E-10		8.22E-01
ENSBTAG000000032730	5.92E-10	7.19E-10		8.24E-01
ENSBTAG00000000244	1.19E-10	1.44E-10	NRXN2	8.27E-01
ENSBTAG00000008568	8.71E-10	1.05E-09	SLC25A45	8.30E-01
ENSBTAG00000002039	4.41E-10	5.31E-10	FRMD8	8.30E-01
ENSBTAG00000039463	7.69E-10	9.27E-10		8.29E-01
ENSBTAG00000013615	4.20E-10	5.05E-10	CHORDC1	8.31E-01
ENSBTAG00000038169	2.93E-10	3.52E-10		8.33E-01
ENSBTAG00000010230	4.08E-10	4.90E-10	CAPN1	8.33E-01
ENSBTAG00000005903	5.16E-10	6.15E-10	LRP5	8.39E-01
ENSBTAG00000001734	4.32E-10	5.13E-10	MS4A10	8.41E-01
ENSBTAG00000014215	9.18E-10	1.08E-09		8.50E-01
ENSBTAG00000022960	3.67E-10	4.28E-10	HEPHL1	8.58E-01
ENSBTAG00000017495	1.06E-09	1.22E-09		8.66E-01
ENSBTAG00000035110	4.22E-10	4.83E-10	DEUP1	8.74E-01
ENSBTAG00000047753	5.84E-10	6.69E-10		8.74E-01
ENSBTAG00000009412	5.29E-10	6.00E-10	SIAE	8.82E-01
ENSBTAG00000012054	3.66E-10	4.15E-10	ALDH3B2	8.82E-01
ENSBTAG00000047145	1.07E-09	1.21E-09		8.84E-01
ENSBTAG00000016293	2.28E-10	2.57E-10	TRIM77	8.86E-01
ENSBTAG00000009315	6.85E-10	7.66E-10	CDON	8.95E-01
ENSBTAG00000048073	4.14E-10	4.64E-10		8.92E-01
ENSBTAG00000012656	2.60E-10	2.90E-10	OVOL1	8.97E-01
ENSBTAG00000004356	7.79E-10	8.67E-10	ROBO4	8.98E-01
ENSBTAG00000020900	6.05E-10	6.73E-10	RPUSD4	8.98E-01
ENSBTAG00000003236	8.21E-10	9.13E-10		8.99E-01
ENSBTAG00000007847	2.15E-10	2.37E-10	EED	9.07E-01
ENSBTAG00000004212	4.96E-10	5.47E-10		9.07E-01
ENSBTAG00000006747	4.14E-10	4.55E-10	LTBP3	9.11E-01
ENSBTAG00000005076	5.40E-10	5.92E-10	SYVN1	9.11E-01
ENSBTAG00000019712	5.97E-10	6.51E-10	ST14	9.17E-01
ENSBTAG00000015177	5.64E-10	6.14E-10	PRSS23	9.19E-01
ENSBTAG00000007203	3.41E-10	3.71E-10	STT3A	9.19E-01

ENSBTAG00000010880	6.97E-10	7.58E-10	TNNI2	9.19E-01
ENSBTAG00000022185	2.04E-10	2.22E-10	IGHMBP2	9.18E-01
ENSBTAG00000037908	3.08E-10	3.32E-10		9.28E-01
ENSBTAG00000047100	6.12E-10	6.60E-10		9.27E-01
ENSBTAG00000020009	6.19E-10	6.68E-10	CCDC81	9.27E-01
ENSBTAG00000046497	2.84E-10	3.07E-10		9.25E-01
ENSBTAG00000047989	5.87E-10	6.32E-10		9.29E-01
ENSBTAG00000001035	2.48E-10	2.67E-10	SF1	9.28E-01
ENSBTAG00000007825	2.73E-10	2.93E-10	MARK2	9.32E-01
ENSBTAG00000001043	4.25E-10	4.56E-10	LUZP2	9.32E-01
ENSBTAG00000011467	5.61E-10	6.01E-10	BATF2	9.34E-01
ENSBTAG00000005578	2.83E-10	3.02E-10	KAT5	9.38E-01
ENSBTAG00000017610	5.15E-10	5.49E-10	NFRKB	9.38E-01
ENSBTAG00000037784	9.41E-10	1.00E-09		9.41E-01
ENSBTAG00000014366	3.33E-10	3.55E-10	PRPF19	9.38E-01
ENSBTAG00000038209	1.65E-09	1.75E-09		9.45E-01
ENSBTAG000000015793	3.64E-10	3.83E-10	RAB38	9.51E-01
ENSBTAG00000040257	7.86E-10	8.22E-10		9.56E-01
ENSBTAG00000027868	3.98E-10	4.17E-10		9.55E-01
ENSBTAG00000039461	7.78E-10	8.12E-10	MS4A15	9.59E-01
ENSBTAG00000009210	1.90E-10	1.98E-10	ZBTB44	9.59E-01
ENSBTAG00000013563	2.78E-10	2.88E-10	TSG101	9.66E-01
ENSBTAG00000046299	1.00E-09	1.04E-09		9.65E-01
ENSBTAG00000047914	5.71E-10	5.91E-10	CDHR5	9.66E-01
ENSBTAG000000019995	2.07E-10	2.13E-10	HIKESHI	9.70E-01
ENSBTAG00000021504	1.87E-10	1.93E-10	TIRAP	9.71E-01
ENSBTAG00000035631	1.51E-09	1.57E-09		9.63E-01
ENSBTAG00000046130	2.09E-09	2.16E-09	OR8D2	9.69E-01
ENSBTAG00000022396	2.40E-10	2.48E-10		9.69E-01
ENSBTAG00000010233	6.80E-10	7.00E-10		9.72E-01
ENSBTAG00000006804	3.86E-10	3.96E-10	KIRREL3	9.74E-01
ENSBTAG00000046398	3.92E-10	4.02E-10		9.76E-01
ENSBTAG00000001660	4.03E-10	4.11E-10	SPTY2D1	9.80E-01
ENSBTAG00000021517	3.96E-10	4.04E-10	TMEM216	9.81E-01
ENSBTAG00000047934	2.33E-09	2.36E-09		9.87E-01
ENSBTAG00000046686	9.99E-10	1.01E-09		9.89E-01
ENSBTAG00000006812	2.22E-10	2.23E-10	FAM181B	9.94E-01
ENSBTAG00000005075	6.34E-10	6.38E-10	MRPL49	9.93E-01
ENSBTAG00000021999	5.78E-10	5.81E-10	CPT1A	9.95E-01
ENSBTAG00000033464	7.03E-10	7.06E-10	SPA17	9.95E-01
ENSBTAG00000018431	4.69E-10	4.71E-10	NAV2	9.96E-01
ENSBTAG00000014300	5.07E-10	5.07E-10	SLC6A5	1.00E+00
ENSBTAG00000001029	1.60E-10	1.59E-10	RASGRP2	1.01E+00
ENSBTAG00000011019	9.76E-10	9.67E-10		1.01E+00
ENSBTAG00000009410	6.60E-10	6.54E-10	TBRG1	1.01E+00
ENSBTAG00000040103	4.81E-10	4.76E-10	SYT8	1.01E+00
ENSBTAG00000002341	3.36E-10	3.31E-10	ETS1	1.02E+00
ENSBTAG00000006304	6.69E-10	6.53E-10		1.02E+00
ENSBTAG00000003176	3.73E-10	3.63E-10	JAM3	1.03E+00
ENSBTAG00000007622	1.01E-09	9.80E-10	CTSD	1.03E+00
ENSBTAG00000038918	8.60E-10	8.36E-10		1.03E+00
ENSBTAG00000012072	2.84E-10	2.75E-10	NDUFS8	1.03E+00
ENSBTAG00000009490	3.26E-10	3.15E-10	STX5	1.04E+00
ENSBTAG00000016704	1.77E-10	1.71E-10	SLC37A2	1.04E+00
ENSBTAG00000020257	1.92E-10	1.85E-10	PTPN5	1.04E+00
ENSBTAG00000013568	4.24E-10	4.08E-10	UEVLD	1.04E+00
ENSBTAG00000011813	4.44E-10	4.26E-10	TYR	1.04E+00
ENSBTAG00000006902	5.15E-10	4.95E-10	KCNJ5	1.04E+00
ENSBTAG00000004114	1.24E-10	1.18E-10	MAP3K11	1.05E+00
ENSBTAG00000014105	4.46E-10	4.21E-10	SRPRA	1.06E+00
ENSBTAG00000045971	1.03E-10	9.76E-11		1.06E+00
ENSBTAG00000037404	2.61E-10	2.46E-10	LRFN4	1.06E+00
ENSBTAG00000005199	1.05E-09	9.89E-10		1.06E+00
ENSBTAG00000032557	1.76E-10	1.66E-10	TMEM258	1.06E+00
ENSBTAG00000047463	7.46E-10	7.04E-10		1.06E+00
ENSBTAG00000007108	5.34E-10	5.01E-10	LGALS12	1.07E+00
ENSBTAG00000015183	8.88E-10	8.32E-10	TPCN2	1.07E+00
ENSBTAG00000022394	8.39E-10	7.83E-10		1.07E+00
ENSBTAG00000019001	4.52E-10	4.21E-10	PRDM10	1.07E+00
ENSBTAG00000022382	5.25E-10	4.89E-10	TMEM218	1.07E+00

ENSBTAG0000001032	1.32E-10	1.22E-10	PYGM	1.08E+00
ENSBTAG00000033096	3.28E-10	3.05E-10		1.08E+00
ENSBTAG00000046127	1.78E-10	1.65E-10	PAG5	1.08E+00
ENSBTAG00000009491	3.51E-10	3.25E-10	WDR74	1.08E+00
ENSBTAG00000004783	2.23E-10	2.06E-10	CORO1B	1.08E+00
ENSBTAG000000031590	2.77E-10	2.55E-10	SSH3	1.09E+00
ENSBTAG00000047892	7.72E-10	7.11E-10		1.09E+00
ENSBTAG00000038262	6.46E-10	5.88E-10		1.10E+00
ENSBTAG00000047020	1.62E-09	1.47E-09		1.10E+00
ENSBTAG00000048061	4.67E-10	4.23E-10		1.10E+00
ENSBTAG00000020642	2.54E-10	2.28E-10	ZDHHC13	1.11E+00
ENSBTAG00000018792	1.65E-10	1.48E-10	SLC22A11	1.11E+00
ENSBTAG00000009393	2.97E-10	2.67E-10	GAL	1.11E+00
ENSBTAG00000046665	1.32E-09	1.19E-09		1.11E+00
ENSBTAG00000002963	4.10E-10	3.66E-10	SAA4	1.12E+00
ENSBTAG00000021457	4.64E-10	4.13E-10	EFEMP2	1.12E+00
ENSBTAG00000022209	1.72E-10	1.52E-10	CABP2	1.13E+00
ENSBTAG00000004829	2.63E-10	2.29E-10	YIF1A	1.15E+00
ENSBTAG00000019173	2.58E-10	2.23E-10		1.16E+00
ENSBTAG00000004266	1.99E-10	1.72E-10	DDX25	1.16E+00
ENSBTAG00000048137	5.54E-10	4.78E-10		1.16E+00
ENSBTAG00000047172	3.30E-10	2.84E-10		1.16E+00
ENSBTAG00000011865	2.15E-10	1.84E-10	MTA2	1.17E+00
ENSBTAG00000001185	2.76E-10	2.36E-10	KMT5B	1.17E+00
ENSBTAG000000015277	1.78E-10	1.53E-10	PCF11	1.17E+00
ENSBTAG000000037623	1.75E-09	1.50E-09		1.17E+00
ENSBTAG00000005160	1.63E-10	1.39E-10	GTF2H1	1.17E+00
ENSBTAG00000000052	6.38E-10	5.42E-10	PKNOX2	1.18E+00
ENSBTAG00000013066	2.16E-10	1.83E-10	IGF2	1.18E+00
ENSBTAG00000013214	4.30E-10	3.64E-10		1.18E+00
ENSBTAG00000003545	2.07E-10	1.73E-10	TAF1D	1.19E+00
ENSBTAG00000001474	2.81E-10	2.36E-10	NRGN	1.19E+00
ENSBTAG000000018362	3.37E-10	2.83E-10	TMEM109	1.19E+00
ENSBTAG00000005073	3.98E-10	3.34E-10	ZNHIT2	1.19E+00
ENSBTAG00000001004	3.39E-10	2.84E-10	ESAM	1.19E+00
ENSBTAG00000021455	4.37E-10	3.67E-10	CFL1	1.19E+00
ENSBTAG00000047530	7.63E-10	6.39E-10		1.19E+00
ENSBTAG00000033237	4.59E-10	3.85E-10		1.19E+00
ENSBTAG00000003079	3.48E-10	2.92E-10	TIGD3	1.19E+00
ENSBTAG000000047304	1.19E-09	9.92E-10		1.20E+00
ENSBTAG00000000773	7.37E-10	6.10E-10		1.21E+00
ENSBTAG00000011898	3.87E-10	3.19E-10	ORAOV1	1.21E+00
ENSBTAG00000038347	2.33E-10	1.91E-10	SLC17A6	1.22E+00
ENSBTAG00000022160	2.31E-10	1.90E-10	NAP1L4	1.21E+00
ENSBTAG00000000292	1.83E-10	1.50E-10	TCIRG1	1.22E+00
ENSBTAG00000035736	5.74E-10	4.70E-10		1.22E+00
ENSBTAG00000046202	7.21E-10	5.88E-10		1.23E+00
ENSBTAG000000011186	2.83E-10	2.31E-10	BEST1	1.23E+00
ENSBTAG00000033476	8.50E-10	6.91E-10		1.23E+00
ENSBTAG00000003073	2.16E-10	1.75E-10	NAA40	1.23E+00
ENSBTAG00000040202	7.56E-10	6.14E-10		1.23E+00
ENSBTAG00000014651	2.07E-10	1.68E-10	SPATA19	1.23E+00
ENSBTAG00000010481	4.36E-10	3.52E-10	UBXN1	1.24E+00
ENSBTAG00000000064	2.39E-10	1.93E-10	FEN1	1.24E+00
ENSBTAG000000040140	7.23E-10	5.82E-10		1.24E+00
ENSBTAG00000002702	4.60E-10	3.70E-10	TSPAN32	1.24E+00
ENSBTAG00000022294	3.02E-10	2.42E-10	FADS1	1.25E+00
ENSBTAG00000011184	3.47E-10	2.78E-10	FTH1	1.25E+00
ENSBTAG00000003985	1.37E-10	1.10E-10	CCDC15	1.25E+00
ENSBTAG00000022759	6.56E-10	5.22E-10		1.26E+00
ENSBTAG00000009736	2.55E-10	2.03E-10	CDC42BPG	1.26E+00
ENSBTAG00000011455	4.30E-10	3.42E-10	POLA2	1.26E+00
ENSBTAG000000011132	2.72E-10	2.16E-10	CCDC83	1.26E+00
ENSBTAG00000022379	4.27E-10	3.38E-10	VSIG2	1.26E+00
ENSBTAG00000003077	2.27E-10	1.79E-10	DPF2	1.27E+00
ENSBTAG00000024769	6.80E-10	5.34E-10		1.27E+00
ENSBTAG00000045915	5.25E-10	4.13E-10	SCT	1.27E+00
ENSBTAG00000016502	5.24E-10	4.12E-10		1.27E+00
ENSBTAG00000022158	2.39E-10	1.87E-10	TNNT3	1.28E+00
ENSBTAG00000004081	6.57E-10	5.16E-10	FAT3	1.27E+00

ENSBTAG00000031688	3.08E-10	2.41E-10		1.28E+00
ENSBTAG00000014224	2.49E-10	1.94E-10	IGSF9B	1.28E+00
ENSBTAG00000039943	3.53E-10	2.74E-10	NARS2	1.29E+00
ENSBTAG00000047680	3.44E-10	2.66E-10	IRF7	1.29E+00
ENSBTAG00000000246	9.90E-10	7.65E-10	ME3	1.29E+00
ENSBTAG00000046359	6.83E-10	5.24E-10	PHRF1	1.30E+00
ENSBTAG00000046085	6.83E-10	5.24E-10		1.30E+00
ENSBTAG00000012010	2.86E-10	2.19E-10	PANX1	1.31E+00
ENSBTAG00000048202	2.77E-10	2.09E-10		1.32E+00
ENSBTAG00000047840	4.03E-10	3.05E-10		1.32E+00
ENSBTAG00000016168	4.91E-10	3.70E-10	APLP2	1.33E+00
ENSBTAG00000011872	1.54E-10	1.14E-10	EML3	1.35E+00
ENSBTAG00000008683	1.33E-10	9.87E-11	LDHA	1.35E+00
ENSBTAG00000009124	8.13E-10	6.00E-10	FEZ1	1.35E+00
ENSBTAG00000018364	2.84E-10	2.09E-10	TMEM132A	1.36E+00
ENSBTAG00000047110	1.84E-10	1.35E-10		1.36E+00
ENSBTAG000000047151	1.03E-09	7.56E-10		1.37E+00
ENSBTAG00000007397	8.58E-10	6.27E-10	FOLH1	1.37E+00
ENSBTAG00000017514	1.65E-10	1.20E-10	CCND1	1.37E+00
ENSBTAG00000001037	2.00E-10	1.46E-10	MAP4K2	1.37E+00
ENSBTAG00000010478	2.57E-10	1.87E-10	AIP	1.38E+00
ENSBTAG00000005069	4.57E-10	3.32E-10	TM7SF2	1.38E+00
ENSBTAG00000003759	1.22E-10	8.79E-11	PCNX3	1.39E+00
ENSBTAG00000004355	1.58E-10	1.14E-10	ROBO3	1.39E+00
ENSBTAG000000005772	2.97E-10	2.14E-10	SPDYC	1.39E+00
ENSBTAG00000040090	5.94E-10	4.27E-10		1.39E+00
ENSBTAG00000039652	4.71E-10	3.39E-10	PTGDR2	1.39E+00
ENSBTAG00000004348	4.05E-10	2.91E-10	MRPL21	1.39E+00
ENSBTAG00000047730	4.20E-10	3.02E-10		1.39E+00
ENSBTAG00000009997	3.64E-10	2.62E-10	ANO1	1.39E+00
ENSBTAG00000004342	2.23E-10	1.60E-10	CCDC87	1.39E+00
ENSBTAG000000046247	5.32E-10	3.82E-10		1.39E+00
ENSBTAG00000007827	1.45E-10	1.04E-10	RCOR2	1.39E+00
ENSBTAG00000046745	1.24E-09	8.87E-10		1.40E+00
ENSBTAG00000034891	4.87E-10	3.45E-10		1.41E+00
ENSBTAG00000015266	1.38E-10	9.75E-11	SDHAF2	1.41E+00
ENSBTAG00000000103	2.71E-10	1.92E-10		1.41E+00
ENSBTAG00000008274	6.55E-10	4.62E-10	MUC5B	1.42E+00
ENSBTAG00000018366	3.63E-10	2.56E-10	SLC15A3	1.42E+00
ENSBTAG000000023301	1.23E-09	8.65E-10		1.42E+00
ENSBTAG00000046875	2.56E-10	1.79E-10	AP5B1	1.43E+00
ENSBTAG00000001777	3.46E-10	2.42E-10		1.43E+00
ENSBTAG00000008237	4.25E-10	2.97E-10	TOLLIP	1.43E+00
ENSBTAG00000044073	6.36E-10	4.44E-10	CD248	1.43E+00
ENSBTAG00000015263	1.93E-10	1.34E-10	CPSF7	1.44E+00
ENSBTAG00000000423	3.36E-10	2.34E-10	RBM4B	1.44E+00
ENSBTAG00000010447	3.48E-10	2.42E-10	LSP1	1.44E+00
ENSBTAG00000015511	3.19E-10	2.22E-10	FADS3	1.44E+00
ENSBTAG00000026768	3.71E-10	2.56E-10	TH	1.45E+00
ENSBTAG00000004786	1.84E-10	1.26E-10	TMEM134	1.46E+00
ENSBTAG00000030999	6.50E-10	4.47E-10	DUSP8	1.45E+00
ENSBTAG00000002508	3.45E-10	2.37E-10	GNG3	1.46E+00
ENSBTAG00000010032	6.06E-10	4.16E-10	NTM	1.46E+00
ENSBTAG00000003552	1.86E-10	1.28E-10	MED17	1.45E+00
ENSBTAG00000001657	1.29E-10	8.79E-11	PICALM	1.46E+00
ENSBTAG00000015505	4.53E-10	3.10E-10	FADS2	1.46E+00
ENSBTAG00000015499	1.66E-10	1.13E-10	VPSS1	1.47E+00
ENSBTAG00000007202	2.22E-10	1.50E-10	EI24	1.48E+00
ENSBTAG00000010859	1.76E-10	1.19E-10	HYLS1	1.48E+00
ENSBTAG00000017446	2.70E-10	1.83E-10	E2F8	1.48E+00
ENSBTAG00000046870	2.41E-10	1.62E-10		1.49E+00
ENSBTAG000000047557	1.08E-09	7.27E-10		1.48E+00
ENSBTAG00000003967	1.68E-10	1.13E-10	OTUB1	1.48E+00
ENSBTAG00000016470	6.96E-10	4.65E-10	NADSYN1	1.50E+00
ENSBTAG00000020242	7.14E-10	4.74E-10	CRLF2	1.51E+00
ENSBTAG00000009484	2.12E-10	1.40E-10	TAF6L	1.51E+00
ENSBTAG00000013093	3.30E-10	2.18E-10	ALDH3B1	1.51E+00
ENSBTAG00000017181	1.80E-10	1.20E-10	MACROD1	1.50E+00
ENSBTAG00000037645	6.75E-10	4.31E-10		1.57E+00
ENSBTAG00000010304	1.82E-10	1.16E-10	CHKA	1.57E+00

ENSBTAG00000019204	3.21E-10	2.05E-10	RTN3	1.57E+00
ENSBTAG00000013240	4.50E-10	2.86E-10	SLC3A2	1.57E+00
ENSBTAG00000046740	1.42E-10	8.91E-11		1.59E+00
ENSBTAG00000038054	1.78E-10	1.12E-10		1.59E+00
ENSBTAG00000040128	4.34E-11	2.73E-11	FZD4	1.59E+00
ENSBTAG00000005382	2.56E-10	1.61E-10	CCDC85B	1.59E+00
ENSBTAG00000013003	1.41E-10	8.88E-11	INS	1.59E+00
ENSBTAG00000001229	3.21E-10	2.02E-10	SLC25A22	1.59E+00
ENSBTAG00000046789	3.33E-10	2.09E-10		1.59E+00
ENSBTAG00000008477	3.28E-10	2.06E-10		1.59E+00
ENSBTAG00000003712	2.01E-10	1.26E-10	FAM89B	1.59E+00
ENSBTAG00000021569	2.06E-10	1.30E-10	DDB1	1.58E+00
ENSBTAG00000033030	5.27E-10	3.31E-10	HIST1H4J	1.59E+00
ENSBTAG00000014830	2.88E-10	1.81E-10	PPP1R32	1.59E+00
ENSBTAG00000046728	1.20E-10	7.57E-11	GPR152	1.59E+00
ENSBTAG00000022395	9.90E-10	6.21E-10		1.59E+00
ENSBTAG00000037467	1.33E-09	8.35E-10		1.60E+00
ENSBTAG00000007439	7.62E-10	4.75E-10	TENM4	1.60E+00
ENSBTAG00000019689	3.90E-10	2.43E-10		1.61E+00
ENSBTAG00000047419	5.52E-10	3.40E-10		1.62E+00
ENSBTAG00000010433	8.48E-10	5.19E-10		1.63E+00
ENSBTAG00000010777	8.71E-10	5.33E-10	CARS	1.63E+00
ENSBTAG00000013468	5.83E-10	3.55E-10	AHNAK	1.64E+00
ENSBTAG00000013419	1.68E-10	1.02E-10	HTATIP2	1.65E+00
ENSBTAG00000038655	1.96E-10	1.19E-10		1.65E+00
ENSBTAG00000005929	5.44E-10	3.29E-10	SPTBN2	1.65E+00
ENSBTAG00000010482	1.65E-10	9.95E-11	PITPNM1	1.65E+00
ENSBTAG00000026016	7.21E-10	4.36E-10		1.65E+00
ENSBTAG00000012742	2.80E-10	1.68E-10	SLC22A18	1.66E+00
ENSBTAG00000008623	2.44E-10	1.46E-10	FGF3	1.67E+00
ENSBTAG00000017805	9.74E-10	5.82E-10	CRACR2B	1.67E+00
ENSBTAG00000001193	1.55E-10	9.24E-11	UNC93B1	1.68E+00
ENSBTAG00000024611	4.98E-10	2.96E-10		1.68E+00
ENSBTAG00000017285	3.66E-10	2.17E-10	FGF19	1.69E+00
ENSBTAG00000022188	5.68E-10	3.35E-10	PPFIA1	1.69E+00
ENSBTAG00000000460	4.19E-10	2.47E-10	SYTL2	1.69E+00
ENSBTAG00000001225	1.34E-10	7.85E-11	RBM14	1.70E+00
ENSBTAG00000010986	3.45E-10	2.01E-10		1.72E+00
ENSBTAG00000038506	6.81E-10	3.96E-10		1.72E+00
ENSBTAG000000039153	5.43E-10	3.15E-10	RPS6KA4	1.72E+00
ENSBTAG00000013884	1.15E-10	6.68E-11	SIPA1	1.72E+00
ENSBTAG00000003550	1.92E-10	1.10E-10	C11orf54	1.75E+00
ENSBTAG00000038345	9.58E-10	5.46E-10	OR888	1.75E+00
ENSBTAG00000015745	2.35E-10	1.34E-10	RAB3IL1	1.75E+00
ENSBTAG00000021568	3.08E-10	1.75E-10	VWCE	1.76E+00
ENSBTAG00000009488	1.45E-10	8.21E-11	NXF1	1.76E+00
ENSBTAG00000021654	4.74E-10	2.66E-10	GAS2	1.78E+00
ENSBTAG00000039045	2.21E-10	1.24E-10		1.79E+00
ENSBTAG00000002733	1.53E-10	8.56E-11	DBX1	1.79E+00
ENSBTAG00000023300	5.49E-10	3.06E-10		1.79E+00
ENSBTAG00000003171	8.64E-10	4.79E-10	SHANK2	1.80E+00
ENSBTAG00000009554	1.32E-10	7.34E-11	EHBP1L1	1.80E+00
ENSBTAG00000013421	2.79E-10	1.54E-10	PRMT3	1.81E+00
ENSBTAG00000016950	2.84E-10	1.56E-10	B3GAT3	1.82E+00
ENSBTAG00000014584	4.73E-10	2.57E-10		1.84E+00
ENSBTAG00000014122	6.44E-10	3.51E-10	FOXRED1	1.84E+00
ENSBTAG00000010455	1.24E-10	6.70E-11	INTS5	1.85E+00
ENSBTAG00000018201	1.91E-10	1.03E-10	TKFC	1.85E+00
ENSBTAG00000017951	3.22E-10	1.74E-10		1.85E+00
ENSBTAG00000009486	2.61E-10	1.40E-10	TMEM179B	1.86E+00
ENSBTAG00000033477	5.91E-10	3.18E-10		1.86E+00
ENSBTAG00000013730	1.60E-10	8.62E-11	CD5	1.85E+00
ENSBTAG00000018540	7.86E-10	4.22E-10	NOX4	1.86E+00
ENSBTAG00000048133	5.66E-10	3.03E-10		1.87E+00
ENSBTAG00000020769	7.25E-10	3.87E-10	OPCML	1.87E+00
ENSBTAG00000006990	1.60E-10	8.50E-11	MYRF	1.89E+00
ENSBTAG00000009197	4.74E-10	2.51E-10	TRIM43	1.89E+00
ENSBTAG00000048098	4.53E-10	2.40E-10	PKP3	1.89E+00
ENSBTAG00000034244	1.70E-10	8.99E-11		1.89E+00
ENSBTAG00000006199	4.64E-10	2.43E-10	DRAP1	1.91E+00

ENSBTAG00000040250	1.06E-09	5.55E-10		1.92E+00
ENSBTAG00000002503	3.31E-10	1.72E-10	BSCL2	1.93E+00
ENSBTAG00000046485	5.41E-10	2.81E-10	RAB1B	1.93E+00
ENSBTAG00000022147	8.87E-10	4.53E-10	EPS8L2	1.96E+00
ENSBTAG00000021215	7.86E-10	3.95E-10	VWA5A	1.99E+00
ENSBTAG00000022378	4.42E-10	2.22E-10		1.99E+00
ENSBTAG00000009483	1.26E-10	6.33E-11	POLR2G	1.98E+00
ENSBTAG00000034536	5.12E-10	2.55E-10		2.01E+00
ENSBTAG00000019394	2.91E-10	1.43E-10	ANO5	2.04E+00
ENSBTAG00000011843	2.65E-10	1.29E-10	EEF1G	2.05E+00
ENSBTAG00000010348	9.04E-10	4.37E-10	PDDC1	2.07E+00
ENSBTAG00000021604	3.63E-10	1.76E-10	TMEM138	2.06E+00
ENSBTAG00000004785	1.88E-10	8.86E-11	CABP4	2.12E+00
ENSBTAG00000024814	6.14E-10	2.89E-10	B4GALNT4	2.12E+00
ENSBTAG00000010336	8.96E-10	4.21E-10	TALDO1	2.13E+00
ENSBTAG00000048190	7.83E-10	3.67E-10		2.13E+00
ENSBTAG00000019334	4.96E-10	2.32E-10	KLC2	2.14E+00
ENSBTAG00000018202	2.74E-10	1.27E-10	CYB561A3	2.16E+00
ENSBTAG00000000008	6.00E-10	2.76E-10	KCNJ1	2.18E+00
ENSBTAG00000017582	5.26E-10	2.41E-10	CHEK1	2.18E+00
ENSBTAG00000016506	5.35E-10	2.43E-10	ST3GAL4	2.20E+00
ENSBTAG00000034940	2.85E-10	1.28E-10		2.22E+00
ENSBTAG00000039129	7.38E-10	3.32E-10		2.22E+00
ENSBTAG00000005930	3.13E-10	1.39E-10		2.25E+00
ENSBTAG00000002417	5.15E-10	2.28E-10	RAB30	2.26E+00
ENSBTAG00000009026	6.98E-10	3.08E-10	PACS1	2.27E+00
ENSBTAG00000032089	2.82E-10	1.24E-10	CDC42EP2	2.28E+00
ENSBTAG00000016857	3.42E-10	1.49E-10	ADAMTS15	2.29E+00
ENSBTAG00000013942	3.69E-10	1.57E-10	DAGLA	2.35E+00
ENSBTAG00000010484	9.27E-11	3.89E-11	LRRN4CL	2.38E+00
ENSBTAG00000046110	1.07E-10	4.47E-11	CLCF1	2.38E+00
ENSBTAG00000004782	3.42E-10	1.43E-10	PTPRCAP	2.39E+00
ENSBTAG00000010802	2.65E-10	1.11E-10	KCNK7	2.39E+00
ENSBTAG00000010465	2.18E-10	9.14E-11		2.38E+00
ENSBTAG00000012141	3.33E-10	1.40E-10	RAD9A	2.38E+00
ENSBTAG00000045834	3.87E-10	1.62E-10	RASSF7	2.39E+00
ENSBTAG00000021454	3.02E-10	1.27E-10	SNX32	2.38E+00
ENSBTAG00000026769	5.26E-10	2.20E-10	ASCL2	2.39E+00
ENSBTAG00000031271	5.67E-10	2.37E-10	MRGPRG	2.39E+00
ENSBTAG00000001228	5.86E-10	2.45E-10	CEND1	2.39E+00
ENSBTAG00000032918	4.90E-10	2.05E-10	SCGB1A1	2.39E+00
ENSBTAG00000040239	1.06E-09	4.44E-10		2.39E+00
ENSBTAG00000006634	1.06E-09	4.41E-10	OR4D5	2.39E+00
ENSBTAG00000006910	1.89E-10	7.73E-11	ASRGL1	2.44E+00
ENSBTAG00000011636	6.04E-10	2.46E-10	DDIAS	2.45E+00
ENSBTAG00000020268	3.79E-10	1.55E-10	RSF1	2.45E+00
ENSBTAG00000008283	3.93E-10	1.60E-10	FLI1	2.46E+00
ENSBTAG000000019700	5.27E-10	2.14E-10	PC	2.46E+00
ENSBTAG00000040190	4.94E-10	2.00E-10	CCDC88B	2.47E+00
ENSBTAG00000019634	4.34E-10	1.75E-10	PIDD1	2.48E+00
ENSBTAG00000003094	4.42E-10	1.78E-10	SART1	2.48E+00
ENSBTAG00000047495	3.62E-10	1.46E-10	CD81	2.48E+00
ENSBTAG00000039517	7.64E-10	2.95E-10		2.59E+00
ENSBTAG00000016956	4.02E-10	1.55E-10	GANAB	2.59E+00
ENSBTAG00000006194	3.47E-10	1.33E-10	FOSL1	2.61E+00
ENSBTAG00000009409	9.32E-10	3.57E-10	PANX3	2.61E+00
ENSBTAG00000011248	6.79E-10	2.54E-10	MSANTD2	2.67E+00
ENSBTAG00000017861	4.89E-10	1.83E-10	BRSK2	2.67E+00
ENSBTAG00000010191	4.72E-10	1.75E-10	PAK1	2.70E+00
ENSBTAG00000002772	5.55E-10	2.03E-10	GAL3ST3	2.73E+00
ENSBTAG00000012512	1.86E-10	6.70E-11	GPR137	2.78E+00
ENSBTAG00000012024	2.34E-10	8.42E-11	SLC29A2	2.78E+00
ENSBTAG00000019579	7.20E-10	2.58E-10		2.79E+00
ENSBTAG00000047697	6.34E-10	2.26E-10		2.80E+00
ENSBTAG00000016647	1.23E-09	4.41E-10	OR10D3	2.80E+00
ENSBTAG00000046662	3.10E-10	1.09E-10	TRPM5	2.84E+00
ENSBTAG00000015940	2.64E-10	9.06E-11		2.91E+00
ENSBTAG00000017681	5.10E-10	1.75E-10	RIN1	2.91E+00
ENSBTAG00000016774	9.46E-10	3.23E-10		2.93E+00
ENSBTAG00000047716	9.70E-10	3.31E-10		2.93E+00

ENSBTAG00000015185	5.07E-10	1.73E-10	MRGPRF	2.93E+00
ENSBTAG00000015905	5.16E-10	1.73E-10	ARHGAP32	2.98E+00
ENSBTAG00000003369	4.27E-10	1.41E-10	SYT12	3.03E+00
ENSBTAG00000019947	1.64E-10	5.37E-11	SYT7	3.04E+00
ENSBTAG00000020775	4.67E-10	1.53E-10	FIBP	3.05E+00
ENSBTAG00000011846	2.70E-10	8.77E-11		3.08E+00
ENSBTAG00000002121	1.82E-10	5.72E-11	CDK2AP2	3.17E+00
ENSBTAG00000019696	1.06E-10	3.35E-11	RCE1	3.17E+00
ENSBTAG00000048192	3.31E-10	1.04E-10		3.18E+00
ENSBTAG00000019226	9.58E-11	3.02E-11		3.16E+00
ENSBTAG00000033375	2.53E-10	7.97E-11	PATE2	3.18E+00
ENSBTAG00000046150	2.83E-10	8.89E-11		3.18E+00
ENSBTAG00000014761	1.89E-10	5.93E-11		3.18E+00
ENSBTAG00000047267	1.06E-09	3.32E-10		3.20E+00
ENSBTAG00000036277	4.03E-10	1.24E-10		3.25E+00
ENSBTAG00000013644	3.38E-10	1.04E-10	SLC22A8	3.25E+00
ENSBTAG00000002922	7.69E-10	2.34E-10	GAB4	3.28E+00
ENSBTAG00000014720	8.33E-10	2.48E-10	CATSPER1	3.36E+00
ENSBTAG00000022384	2.24E-09	6.66E-10		3.36E+00
ENSBTAG00000007061	1.57E-10	4.66E-11	PPP2R5B	3.37E+00
ENSBTAG00000020186	4.53E-10	1.34E-10	EIF1AD	3.38E+00
ENSBTAG00000004343	3.07E-10	9.09E-11	CCS	3.38E+00
ENSBTAG00000011100	1.96E-10	5.70E-11	CTSC	3.43E+00
ENSBTAG00000013076	5.50E-10	1.60E-10	SNX19	3.43E+00
ENSBTAG000000006071	4.80E-10	1.37E-10	CTTN	3.50E+00
ENSBTAG00000033731	6.02E-10	1.72E-10	PRCP	3.50E+00
ENSBTAG00000019569	8.83E-10	2.50E-10	CD151	3.53E+00
ENSBTAG00000032178	2.34E-10	6.53E-11	MAJIN	3.57E+00
ENSBTAG00000007058	3.77E-10	1.03E-10		3.65E+00
ENSBTAG00000011249	7.50E-10	2.02E-10	MOB2	3.71E+00
ENSBTAG00000046013	9.10E-10	2.44E-10		3.73E+00
ENSBTAG000000046360	1.92E-09	5.12E-10		3.75E+00
ENSBTAG00000012944	6.38E-10	1.68E-10	USP35	3.80E+00
ENSBTAG00000011666	4.72E-10	1.22E-10	THRSP	3.87E+00
ENSBTAG00000002778	2.35E-10	6.06E-11	SF3B2	3.87E+00
ENSBTAG00000002095	6.51E-11	1.64E-11	MEN1	3.95E+00
ENSBTAG00000002249	2.02E-10	5.09E-11	NAALADL1	3.96E+00
ENSBTAG00000022238	1.82E-10	4.59E-11	B4GAT1	3.96E+00
ENSBTAG00000034850	3.15E-10	7.91E-11		3.97E+00
ENSBTAG000000046587	6.19E-10	1.55E-10		3.99E+00
ENSBTAG00000020643	7.39E-10	1.85E-10	BARX2	3.99E+00
ENSBTAG00000007479	5.16E-10	1.29E-10	CCDC90B	4.00E+00
ENSBTAG00000047713	5.58E-10	1.36E-10	LMNTD2	4.10E+00
ENSBTAG00000017298	5.81E-10	1.41E-10	AAMDC	4.12E+00
ENSBTAG00000031061	1.42E-09	3.46E-10	POLR2L	4.10E+00
ENSBTAG00000018192	5.84E-10	1.40E-10	ALG8	4.17E+00
ENSBTAG00000047996	7.54E-10	1.80E-10	IFITM10	4.19E+00
ENSBTAG000000020773	5.08E-10	1.21E-10	CTSW	4.19E+00
ENSBTAG00000010505	6.87E-10	1.64E-10	INTS4	4.19E+00
ENSBTAG00000003330	2.81E-10	6.71E-11	ATL3	4.18E+00
ENSBTAG00000008644	1.90E-10	4.48E-11	KCNK4	4.23E+00
ENSBTAG00000009032	8.99E-10	2.11E-10	TMEM80	4.26E+00
ENSBTAG00000047141	9.26E-10	2.17E-10		4.27E+00
ENSBTAG00000046038	5.86E-10	1.36E-10		4.31E+00
ENSBTAG00000018367	5.80E-10	1.34E-10	CD6	4.32E+00
ENSBTAG00000009289	3.36E-10	7.69E-11	MS4A8	4.37E+00
ENSBTAG00000047204	9.96E-10	2.26E-10		4.41E+00
ENSBTAG00000037485	8.76E-10	1.99E-10		4.40E+00
ENSBTAG00000033502	8.44E-10	1.87E-10	TMEM225	4.51E+00
ENSBTAG00000004116	3.89E-10	8.55E-11		4.55E+00
ENSBTAG00000005482	4.03E-10	8.74E-11		4.60E+00
ENSBTAG00000013606	1.69E-10	3.55E-11	FKBP2	4.76E+00
ENSBTAG00000005832	1.92E-10	4.03E-11	GRK2	4.76E+00
ENSBTAG00000009915	9.19E-10	1.89E-10	AP2A2	4.86E+00
ENSBTAG00000011149	3.45E-10	6.93E-11	SIGIRR	4.97E+00
ENSBTAG00000026102	5.19E-10	1.03E-10		5.04E+00
ENSBTAG00000005144	2.23E-10	4.32E-11	PNPLA2	5.16E+00
ENSBTAG00000040070	7.64E-10	1.47E-10		5.19E+00
ENSBTAG00000013642	2.09E-10	3.95E-11	SLC22A6	5.28E+00
ENSBTAG00000000451	7.13E-10	1.33E-10		5.36E+00



ENSBTAG00000004392	2.83E-10	5.23E-11	C11orf24	5.40E+00
ENSBTAG000000009175	6.36E-10	1.16E-10	RPS6KB2	5.48E+00
ENSBTAG000000008645	1.77E-10	3.19E-11	ESRRA	5.55E+00
ENSBTAG00000016551	2.19E-10	3.93E-11		5.56E+00
ENSBTAG00000001188	2.87E-10	5.15E-11	ROM1	5.56E+00
ENSBTAG000000002238	1.47E-10	2.64E-11	ARL2	5.55E+00
ENSBTAG00000013133	3.11E-10	5.59E-11	TBC1D10C	5.56E+00
ENSBTAG00000020596	4.36E-10	7.81E-11	TMEM126B	5.57E+00
ENSBTAG00000001077	4.79E-10	8.54E-11	OSBPL5	5.60E+00
ENSBTAG000000048240	1.24E-09	2.21E-10		5.60E+00
ENSBTAG00000002510	3.89E-10	6.82E-11		5.70E+00
ENSBTAG00000026971	2.98E-10	4.91E-11		6.06E+00
ENSBTAG00000008064	5.73E-10	9.39E-11	VPS37C	6.10E+00
ENSBTAG00000003093	4.76E-10	7.75E-11	TSGA10IP	6.14E+00
ENSBTAG000000033480	6.97E-10	1.09E-10	OR8B4	6.39E+00
ENSBTAG00000017689	7.49E-10	1.17E-10	BRMS1	6.40E+00
ENSBTAG000000005112	1.40E-09	2.19E-10		6.41E+00
ENSBTAG00000019930	3.93E-10	6.04E-11	CLNS1A	6.49E+00
ENSBTAG00000033384	7.60E-10	1.11E-10	ACRV1	6.84E+00
ENSBTAG00000019928	4.90E-10	7.12E-11	AQP11	6.87E+00
ENSBTAG000000033508	8.00E-10	1.11E-10	OR10G6	7.21E+00
ENSBTAG00000011816	6.56E-10	8.81E-11	TBX10	7.44E+00
ENSBTAG00000038312	2.64E-10	3.50E-11	MS4A18	7.53E+00
ENSBTAG00000013895	3.71E-10	4.77E-11	RELA	7.75E+00
ENSBTAG000000000518	7.15E-10	9.15E-11		7.81E+00
ENSBTAG000000047793	2.25E-10	2.83E-11	TSSC4	7.93E+00
ENSBTAG00000020600	6.47E-10	7.67E-11	RHOD	8.42E+00
ENSBTAG00000020147	1.82E-10	2.15E-11		8.43E+00
ENSBTAG000000000455	1.67E-10	1.91E-11	CREBZF	8.69E+00
ENSBTAG000000008648	2.90E-10	3.32E-11	PRDX5	8.72E+00
ENSBTAG00000019369	9.45E-10	1.04E-10	TSPAN4	9.08E+00
ENSBTAG000000021776	3.17E-10	3.46E-11	NDUFV1	9.13E+00
ENSBTAG00000015006	5.65E-10	6.16E-11	MRPL11	9.16E+00
ENSBTAG00000018188	6.94E-10	7.56E-11		9.17E+00
ENSBTAG00000009899	1.40E-09	1.41E-10	CHID1	9.95E+00
ENSBTAG000000037570	5.10E-10	5.01E-11		1.02E+01
ENSBTAG000000002243	6.51E-10	6.28E-11	SNX15	1.04E+01
ENSBTAG000000048018	9.30E-10	8.94E-11		1.04E+01
ENSBTAG000000021777	5.09E-10	4.73E-11	DOC2G	1.07E+01
ENSBTAG000000014925	2.35E-10	2.11E-11	NPAS4	1.11E+01
ENSBTAG00000017690	3.38E-10	3.03E-11	CARNS1	1.11E+01
ENSBTAG00000022348	3.97E-10	3.48E-11	PAG3	1.14E+01
ENSBTAG00000021097	3.96E-10	3.32E-11	PEL13	1.19E+01
ENSBTAG000000048043	1.33E-09	1.10E-10		1.21E+01
ENSBTAG000000048263	5.97E-10	4.83E-11	LRRC56	1.23E+01
ENSBTAG00000010411	2.28E-10	1.76E-11	ADAMTS8	1.29E+01
ENSBTAG00000007849	1.24E-09	8.61E-11		1.44E+01
ENSBTAG000000044032	4.49E-10	3.05E-11	KDM2A	1.47E+01
ENSBTAG00000022242	5.26E-10	3.56E-11	DPP3	1.47E+01
ENSBTAG00000022244	4.11E-10	2.67E-11	ACTN3	1.53E+01
ENSBTAG00000012200	3.24E-10	1.89E-11	ANKRD13D	1.70E+01
ENSBTAG00000015663	7.35E-10	4.11E-11	STIP1	1.78E+01
ENSBTAG000000005756	3.78E-10	1.70E-11	ZDHHC24	2.21E+01
ENSBTAG000000045862	4.81E-10	1.92E-11		2.49E+01
ENSBTAG000000012510	4.35E-10	1.64E-11	PLCB3	2.64E+01
ENSBTAG000000045670	1.40E-09	5.21E-11		2.68E+01
ENSBTAG00000001391	1.91E-10	5.58E-12		3.36E+01
ENSBTAG00000010970	5.11E-10	0		5.11E+03
ENSBTAG000000039757	3.13E-10	0		3.13E+03
ENSBTAG000000039676	5.55E-10	0		5.55E+03
ENSBTAG000000038182	1.46E-09	0		1.46E+04
ENSBTAG00000009487	7.15E-11	0	TMEM223	7.16E+02
ENSBTAG000000011579	8.93E-11	0	CHRM1	8.94E+02
ENSBTAG00000019208	5.52E-11	0	C11orf95	5.53E+02
ENSBTAG00000006386	1.77E-10	0		1.77E+03
ENSBTAG00000016560	2.25E-10	0	DNAJC4	2.25E+03
ENSBTAG00000016559	9.43E-11	0	NUDT22	9.44E+02
ENSBTAG00000016555	3.24E-10	0	TRPT1	3.24E+03
ENSBTAG000000047567	2.24E-10	0	VEGFB	2.24E+03
ENSBTAG000000047265	0	0		1.00E+00

ENSBTAG00000012511	2.65E-10	0	BAD	2.65E+03
ENSBTAG00000008646	1.84E-10	0		1.84E+03
ENSBTAG00000007063	0	0	GPHA2	1.00E+00
ENSBTAG00000002248	3.32E-10	0	SAC3D1	3.33E+03
ENSBTAG00000015479	1.84E-10	0	ZFPL1	1.84E+03
ENSBTAG00000010994	4.28E-10	0	CTSF	4.28E+03
ENSBTAG00000022246	2.21E-10	0	C11orf86	2.21E+03
ENSBTAG00000012146	5.57E-11	0		5.58E+02
ENSBTAG00000003548	6.90E-10	0	GSTP1	6.90E+03
ENSBTAG00000011809	2.91E-10	0	NUDT8	2.91E+03
ENSBTAG00000012563	5.64E-10	0		5.64E+03
ENSBTAG00000000776	4.33E-10	0		4.33E+03
ENSBTAG00000048222	1.75E-10	0		1.75E+03
ENSBTAG00000046459	1.15E-09	0		1.15E+04
ENSBTAG00000039964	4.32E-10	0		4.32E+03
ENSBTAG00000046086	0	0		1.00E+00
ENSBTAG000000047310	9.74E-10	0		9.74E+03
ENSBTAG00000014305	1.73E-10	0		1.73E+03
ENSBTAG00000022376	1.88E-09	0		1.88E+04
ENSBTAG00000047786	3.80E-11	0	LRRC10B	3.81E+02
ENSBTAG00000048264	4.02E-11	0	FLRT1	4.03E+02
ENSBTAG00000034845	2.15E-10	0		2.15E+03
ENSBTAG00000000457	3.48E-10	0	CCDC89	3.48E+03
ENSBTAG00000022427	1.10E-10	0		1.10E+03
ENSBTAG000000045601	3.14E-10	0	KCTD21	3.15E+03
ENSBTAG00000011668	5.79E-10	0	KCTD14	5.79E+03
ENSBTAG00000007230	6.82E-11	0	FANCF	6.83E+02
ENSBTAG00000008684	0	0		1.00E+00
ENSBTAG00000000185	1.87E-10	8.61E-11	SLC6A14	2.18E+00
ENSBTAG00000005219	2.47E-10	2.75E-10	KLHL4	8.99E-01
ENSBTAG00000047332	8.13E-10	1.27E-10		6.40E+00
ENSBTAG00000000501	2.62E-10	1.12E-10	KLHL13	2.34E+00
ENSBTAG000000046978	2.81E-10	2.66E-10		1.06E+00
ENSBTAG00000018697	1.75E-10	1.91E-10	WDR44	9.17E-01
ENSBTAG00000006439	2.76E-10	2.42E-10	DOCK11	1.14E+00
ENSBTAG00000019338	1.42E-10	7.38E-11	IL13RA1	1.92E+00
ENSBTAG00000035018	1.56E-10	1.97E-10		7.94E-01
ENSBTAG00000002615	1.34E-10	8.16E-11	LONRF3	1.64E+00
ENSBTAG00000046288	1.91E-10	2.00E-10		9.54E-01
ENSBTAG00000010782	2.01E-10	1.16E-10	KIAA1210	1.73E+00
ENSBTAG00000019552	1.76E-10	2.96E-10	PGRMC1	5.95E-01
ENSBTAG00000019553	2.92E-10	1.54E-10		1.90E+00
ENSBTAG00000047757	1.75E-10	1.47E-10		1.19E+00
ENSBTAG00000001007	1.43E-10	1.18E-10	SLC25A43	1.21E+00
ENSBTAG00000046037	2.87E-10	9.63E-11	SLC25A5	2.98E+00
ENSBTAG00000047169	2.99E-10	2.26E-10	CXorf56	1.32E+00
ENSBTAG000000045779	2.00E-10	1.38E-10		1.45E+00
ENSBTAG000000045744	1.22E-10	9.79E-11	NKRF	1.25E+00
ENSBTAG00000004291	2.41E-10	1.52E-10	06-Sep	1.58E+00
ENSBTAG00000035615	3.86E-11	6.08E-12		6.27E+00
ENSBTAG00000006033	1.82E-10	9.80E-11	NDUFA1	1.85E+00
ENSBTAG00000010881	1.81E-10	1.78E-10	AKAP14	1.02E+00
ENSBTAG00000010884	9.30E-11	8.46E-11	NKAP	1.10E+00
ENSBTAG00000046452	2.61E-10	2.82E-10		9.25E-01
ENSBTAG000000038497	5.39E-10	3.94E-10		1.37E+00
ENSBTAG00000048187	5.40E-10	3.08E-10		1.75E+00
ENSBTAG00000021410	1.62E-10	1.78E-10		9.10E-01
ENSBTAG00000034992	8.34E-11	1.97E-10	MCTS1	4.24E-01
ENSBTAG00000018569	2.99E-10	1.23E-10	CUL4B	2.43E+00
ENSBTAG00000007399	9.64E-11	3.73E-11	LAMP2	2.58E+00
ENSBTAG00000008920	1.22E-10	5.95E-11	ATP1B4	2.05E+00
ENSBTAG00000017187	2.29E-10	6.70E-11	TMEM255A	3.41E+00
ENSBTAG00000017184	1.72E-10	2.71E-11	ZBTB33	6.34E+00
ENSBTAG00000011833	1.84E-10	1.61E-10	GRIA3	1.14E+00
ENSBTAG00000008388	1.33E-10	1.19E-10	THOC2	1.12E+00
ENSBTAG00000040350	1.13E-10	1.22E-10		9.24E-01
ENSBTAG00000009121	1.24E-10	1.39E-10	STAG2	8.92E-01
ENSBTAG00000026067	1.13E-10	1.52E-10	SH2D1A	7.43E-01
ENSBTAG00000018819	2.20E-10	2.38E-10	TENM1	9.24E-01
ENSBTAG00000046796	2.92E-10	1.38E-10		2.12E+00

ENSBTAG00000008763	1.71E-10	5.39E-11	PRR32	3.17E+00
ENSBTAG00000048188	3.43E-10	3.38E-10		1.01E+00
ENSBTAG00000002292	8.19E-11	1.10E-11	SMARCA1	7.39E+00
ENSBTAG00000018247	2.13E-10	3.18E-11	OCRL	6.67E+00
ENSBTAG00000019993	4.23E-11	3.55E-11	APLN	1.19E+00
ENSBTAG00000010345	4.74E-11	1.51E-10	XPNPEP2	3.14E-01
ENSBTAG00000002041	4.56E-11	4.31E-11	SASH3	1.06E+00
ENSBTAG00000015354	2.06E-10	1.07E-10	ZDHHC9	1.93E+00
ENSBTAG00000013671	1.62E-10	5.57E-11		2.91E+00
ENSBTAG00000004962	9.51E-11	9.64E-11	BCORL1	9.86E-01
ENSBTAG00000019061	7.52E-11	7.58E-11	ELF4	9.92E-01
ENSBTAG00000006838	2.56E-10	2.92E-10	AIFM1	8.76E-01
ENSBTAG00000034712	5.51E-11	5.95E-11	RAB33A	9.26E-01
ENSBTAG00000019885	9.82E-11	8.10E-11	ZNF280C	1.21E+00
ENSBTAG00000016263	1.47E-10	1.11E-10	SLC25A14	1.32E+00
ENSBTAG00000014771	6.34E-10	6.68E-10	RBMX2	9.49E-01
ENSBTAG00000010463	5.29E-10	4.43E-10		1.19E+00
ENSBTAG000000021189	1.39E-10	7.49E-11	ARHGAP36	1.85E+00
ENSBTAG00000046476	1.07E-10	9.41E-11	IGSF1	1.13E+00
ENSBTAG00000007647	1.66E-10	1.04E-10	OR13H1	1.59E+00
ENSBTAG00000019652	1.81E-10	2.17E-10	STK26	8.32E-01
ENSBTAG00000007344	2.10E-10	1.68E-10	FRMD7	1.25E+00
ENSBTAG00000004131	1.60E-10	1.62E-10	RAP2C	9.91E-01
ENSBTAG00000014088	8.81E-11	1.02E-10	MBNL3	8.64E-01
ENSBTAG00000020644	9.37E-11	1.59E-10	GPC4	5.89E-01
ENSBTAG00000020406	1.57E-10	1.38E-10	GPC3	1.14E+00
ENSBTAG00000030507	2.12E-10	8.89E-11		2.38E+00
ENSBTAG00000036349	1.17E-10	1.60E-10	CCDC160	7.33E-01
ENSBTAG00000015196	2.06E-10	1.53E-10	PHF6	1.34E+00
ENSBTAG00000014685	1.05E-10	1.06E-10		9.91E-01
ENSBTAG00000006293	9.82E-11	4.78E-11	PLAC1	2.05E+00
ENSBTAG00000001886	2.73E-10	2.86E-10	FAM122B	9.54E-01
ENSBTAG00000013922	9.96E-11	8.36E-12	MOSPD1	1.18E+01
ENSBTAG00000039434	4.99E-10	3.76E-10		1.33E+00
ENSBTAG00000019546	8.42E-11	1.14E-10	CT55	7.39E-01
ENSBTAG00000022837	6.05E-10	5.42E-10		1.12E+00
ENSBTAG00000046047	3.41E-10	3.27E-10		1.04E+00
ENSBTAG00000047954	2.06E-10	1.70E-10		1.21E+00
ENSBTAG00000018090	4.11E-11	1.29E-11	ZNF449	3.17E+00
ENSBTAG000000047939	4.50E-10	4.08E-10		1.10E+00
ENSBTAG00000008993	7.60E-11	3.68E-12	INTS6L	2.01E+01
ENSBTAG00000047290	2.32E-10	2.34E-10		9.93E-01
ENSBTAG00000025297	8.04E-11	1.35E-10	MMGT1	5.96E-01
ENSBTAG00000009523	8.90E-11	1.45E-10	SLC9A6	6.14E-01
ENSBTAG00000018513	1.46E-10	1.48E-10	FHL1	9.88E-01
ENSBTAG00000014170	1.60E-10	1.71E-10	MAP7D3	9.37E-01
ENSBTAG00000005616	1.54E-10	2.18E-10	BRS3	7.05E-01
ENSBTAG00000001880	2.33E-10	2.44E-10	VGLL1	9.56E-01
ENSBTAG00000017843	1.25E-10	8.73E-11	CD40LG	1.43E+00
ENSBTAG00000017850	1.42E-10	1.66E-10	ARHGGEF6	8.55E-01
ENSBTAG00000013308	9.73E-11	1.63E-10		5.97E-01
ENSBTAG00000022373	1.48E-10	9.46E-11		1.57E+00
ENSBTAG00000021413	1.22E-10	9.23E-11	ZIC3	1.32E+00
ENSBTAG00000018323	2.23E-10	1.84E-10		1.21E+00
ENSBTAG00000020194	1.07E-10	9.48E-11		1.13E+00
ENSBTAG00000020022	1.35E-10	1.12E-10	IL13RA2	1.21E+00
ENSBTAG00000004003	1.02E-10	1.01E-10	F9	1.01E+00
ENSBTAG00000004007	1.03E-10	9.33E-11	MCF2	1.10E+00
ENSBTAG00000016484	6.99E-11	4.40E-11	ATP11C	1.59E+00
ENSBTAG00000048281	9.56E-10	1.33E-10		7.19E+00
ENSBTAG00000009753	9.29E-10	1.06E-10		8.76E+00
ENSBTAG00000008226	1.47E-10	1.11E-10		1.32E+00
ENSBTAG00000045940	1.73E-09	1.77E-09	MGC148328	9.79E-01
ENSBTAG00000039870	4.82E-10	4.04E-10		1.19E+00
ENSBTAG00000016940	6.90E-11	2.90E-11		2.37E+00
ENSBTAG00000017628	5.23E-11	4.22E-11	MAP7D2	1.24E+00
ENSBTAG00000021962	6.60E-11	5.26E-11	CXorf23	1.25E+00
ENSBTAG00000012552	1.23E-10	5.77E-11	FMR1	2.13E+00
ENSBTAG00000034045	8.91E-11	8.62E-11	FMR1NB	1.03E+00
ENSBTAG00000020750	1.79E-10	1.01E-10	AFF2	1.77E+00

ENSBTAG00000011056	7.41E-11	6.67E-11	IDS	1.11E+00
ENSBTAG00000045540	6.67E-11	8.41E-11		7.94E-01
ENSBTAG00000033874	0	5.66E-11		1.76E-03
ENSBTAG00000048215	0	4.04E-11		2.47E-03
ENSBTAG00000046653	1.28E-10	2.43E-10		5.28E-01
ENSBTAG00000046035	1.15E-10	7.25E-11		1.59E+00
ENSBTAG00000006818	6.93E-11	1.11E-10	TMEM185A	6.25E-01
ENSBTAG00000021713	4.62E-11	3.09E-11	MAMLD1	1.49E+00
ENSBTAG00000014138	2.17E-11	6.83E-12	MTM1	3.14E+00
ENSBTAG00000009657	1.27E-10	1.38E-10	MTMR1	9.17E-01
ENSBTAG00000047708	1.98E-10	1.66E-10		1.19E+00
ENSBTAG00000005150	4.21E-10	1.96E-10	HMGB3	2.15E+00
ENSBTAG00000005950	1.43E-10	1.80E-10	GPR50	7.93E-01
ENSBTAG00000009775	2.05E-10	6.45E-11	PRRG3	3.18E+00
ENSBTAG00000006820	1.02E-10	8.00E-11	FATE1	1.27E+00
ENSBTAG00000020725	2.85E-10	6.18E-11	CNGA2	4.61E+00
ENSBTAG00000013548	8.90E-11	5.98E-11	GABRE	1.49E+00
ENSBTAG00000006691	1.53E-10	9.65E-11	GABRA3	1.58E+00
ENSBTAG00000013002	5.06E-11	7.79E-11	GABRQ	6.50E-01
ENSBTAG00000007844	4.06E-11	2.56E-11	CETN2	1.58E+00
ENSBTAG00000009231	3.46E-11	3.57E-11	NSDHL	9.70E-01
ENSBTAG00000005776	5.10E-11	2.95E-11	ZNF185	1.73E+00
ENSBTAG00000047518	0	8.78E-11		1.14E-03
ENSBTAG000000045777	6.48E-10	6.12E-10		1.06E+00
ENSBTAG000000047971	7.25E-10	8.93E-10	KIR3DL1	8.12E-01
ENSBTAG00000047804	0	8.12E-11		1.23E-03
ENSBTAG00000048199	2.75E-10	2.42E-10		1.14E+00
ENSBTAG00000033445	9.34E-10	8.65E-10		1.08E+00
ENSBTAG00000046143	2.43E-10	1.75E-10		1.39E+00
ENSBTAG00000046442	9.21E-11	1.16E-10		7.94E-01
ENSBTAG00000011648	5.33E-11	6.72E-11	TMLHE	7.94E-01
ENSBTAG00000010948	1.31E-11	8.27E-12	CLIC2	1.58E+00
ENSBTAG00000017265	1.33E-11	1.26E-11	VBP1	1.05E+00
ENSBTAG00000011144	0	3.83E-11		2.60E-03
ENSBTAG00000007817	1.36E-11	1.84E-11	BRCC3	7.38E-01
ENSBTAG00000016977	4.92E-11	8.85E-12	FUNDC2	5.51E+00
ENSBTAG00000010726	6.77E-11	3.08E-11	F8	2.20E+00
ENSBTAG00000033167	0	1.54E-10		6.49E-04
ENSBTAG00000013046	2.99E-11	9.43E-12	MPP1	3.15E+00
ENSBTAG00000013045	6.91E-12	1.74E-11	DKC1	4.01E-01
ENSBTAG00000013044	5.19E-11	1.36E-11	GAB3	3.79E+00
ENSBTAG00000022807	9.56E-10	8.67E-10	KIR3DS1	1.10E+00
ENSBTAG00000045951	1.26E-09	1.14E-09		1.11E+00
ENSBTAG00000046709	9.20E-10	1.00E-09		9.20E-01
ENSBTAG00000038288	6.12E-10	5.71E-10		1.07E+00
ENSBTAG00000038933	1.19E-09	1.23E-09		9.64E-01
ENSBTAG00000021439	2.12E-10	3.53E-10		6.01E-01
ENSBTAG00000047577	7.29E-10	7.70E-10		9.46E-01
ENSBTAG00000045675	2.40E-10	3.27E-10		7.33E-01
ENSBTAG00000020185	5.12E-11	1.16E-11		4.39E+00
ENSBTAG00000014095	2.41E-11	6.06E-12	HAUS7	3.92E+00
ENSBTAG00000005250	5.35E-11	5.99E-11	BGN	8.93E-01
ENSBTAG00000011350	1.72E-11	2.17E-11	FAM58A	7.94E-01
ENSBTAG00000017430	2.49E-11	1.25E-10	PNCK	1.99E-01
ENSBTAG00000009959	2.24E-11	1.41E-11		1.59E+00
ENSBTAG00000020547	1.14E-11	2.15E-11	BCAP31	5.31E-01
ENSBTAG00000020551	5.69E-11	1.96E-11	ABCD1	2.90E+00
ENSBTAG00000010146	6.78E-12	8.54E-12	PLXNB3	7.96E-01
ENSBTAG00000001058	0	2.24E-11	SRPK3	4.44E-03
ENSBTAG00000001059	5.74E-11	2.41E-11	IDH3G	2.37E+00
ENSBTAG00000021421	2.18E-11	2.75E-11	SSR4	7.93E-01
ENSBTAG00000013462	4.04E-11	7.27E-11	L1CAM	5.56E-01
ENSBTAG00000047138	1.02E-10	1.72E-10	AVPR2	5.95E-01
ENSBTAG00000047531	6.77E-11	1.05E-10	ARHGAP4	6.45E-01
ENSBTAG00000047702	3.48E-11	6.58E-11		5.30E-01
ENSBTAG00000047827	5.62E-11	5.66E-11	RENBP	9.93E-01
ENSBTAG00000011904	8.26E-11	8.85E-11	HCFC1	9.34E-01
ENSBTAG00000008278	1.81E-11	6.85E-11	TMEM187	2.66E-01
ENSBTAG00000016085	0	1.13E-10	IRAK1	8.84E-04
ENSBTAG00000047855	2.35E-11	1.17E-10	MECP2	2.02E-01

ENSBTAG00000020299	1.33E-11	1.01E-10		1.33E-01
ENSBTAG00000020300	1.11E-11	8.36E-11	TEX28	1.33E-01
ENSBTAG00000020127	2.88E-11	5.80E-11	TKTL1	4.97E-01
ENSBTAG00000011190	2.24E-11	5.64E-11	FLNA	3.98E-01
ENSBTAG00000007455	0	1.55E-10	DNASE1L1	6.45E-04
ENSBTAG00000007456	2.97E-11	4.98E-11	TAZ	5.96E-01
ENSBTAG00000012117	5.26E-11	5.30E-11	ATP6AP1	9.93E-01
ENSBTAG00000012125	1.42E-11	5.37E-11	GDI1	2.66E-01
ENSBTAG00000033032	0	1.79E-11	FAM50A	5.56E-03
ENSBTAG00000008552	1.89E-11	3.57E-11		5.30E-01
ENSBTAG00000014331	3.11E-11	3.92E-11		7.95E-01
ENSBTAG00000014333	0	3.00E-11	SLC10A3	3.32E-03
ENSBTAG00000012747	2.94E-11	3.71E-11	FAM3A	7.94E-01
ENSBTAG00000019512	5.07E-12	2.56E-11	G6PD	2.01E-01
ENSBTAG00000006268	2.83E-11	2.97E-11	IKBKKG	9.53E-01
ENSBTAG00000012084	2.81E-11	6.07E-11		4.64E-01
ENSBTAG000000047120	0	1.25E-10		7.99E-04
ENSBTAG000000045853	0	5.84E-11		1.71E-03
ENSBTAG00000019942	4.05E-11	5.10E-11	PABPC5	7.94E-01
ENSBTAG00000001911	1.14E-10	8.28E-11		1.38E+00
ENSBTAG00000038815	2.56E-11	3.77E-11		6.81E-01
ENSBTAG000000047213	5.64E-11	3.55E-11		1.59E+00
ENSBTAG000000048265	7.03E-11	8.86E-11		7.94E-01
ENSBTAG000000019705	1.89E-11	1.19E-11		1.58E+00
ENSBTAG000000040255	7.97E-11	1.00E-10		7.97E-01
ENSBTAG000000037686	4.03E-10	4.79E-10	SRPX2	8.41E-01
ENSBTAG000000045550	2.69E-10	2.81E-10	TSPAN6	9.58E-01
ENSBTAG000000021059	1.64E-10	1.44E-11	TNMD	1.13E+01
ENSBTAG000000014169	3.00E-11	8.83E-12	PCDH19	3.37E+00
ENSBTAG000000044025	6.73E-11	3.85E-11		1.75E+00
ENSBTAG000000004836	2.11E-11	7.58E-12		2.76E+00
ENSBTAG000000046095	1.55E-11	9.74E-12		1.58E+00
ENSBTAG000000047655	6.01E-11	9.46E-11	SERPINA7	6.35E-01
ENSBTAG000000046210	9.29E-10	4.79E-10		1.94E+00
ENSBTAG00000005724	4.30E-11	1.24E-10	SYTL4	3.48E-01
ENSBTAG000000003547	5.48E-11	6.31E-11	CSTF2	8.69E-01
ENSBTAG000000016761	7.43E-11	1.19E-10	NOX1	6.25E-01
ENSBTAG000000005378	1.38E-11	8.69E-12	XKRX	1.58E+00
ENSBTAG000000020390	9.25E-11	1.06E-11	ARL13A	8.65E+00
ENSBTAG000000021252	1.05E-10	1.65E-11	TMEM35A	6.31E+00
ENSBTAG000000021254	1.05E-10	3.44E-11	CENPI	3.03E+00
ENSBTAG000000001975	6.53E-11	1.07E-11	DRP2	6.05E+00
ENSBTAG000000019417	5.54E-11	4.65E-11	ARMCX2	1.19E+00
ENSBTAG000000005319	4.00E-11	4.20E-11		9.53E-01
ENSBTAG000000003601	5.96E-11	5.00E-12	ZMAT1	1.17E+01
ENSBTAG000000014670	3.58E-11	4.51E-11	BEX5	7.94E-01
ENSBTAG000000027978	3.09E-11	3.89E-11		7.94E-01
ENSBTAG000000020522	7.08E-11	4.12E-11	TCP11X2	1.72E+00
ENSBTAG000000038449	2.25E-10	1.13E-10		1.99E+00
ENSBTAG000000022501	3.02E-10	2.24E-10		1.35E+00
ENSBTAG000000032787	2.02E-10	1.60E-10		1.26E+00
ENSBTAG000000046314	2.35E-10	1.12E-10		2.09E+00
ENSBTAG000000022920	1.20E-10	5.87E-11	RNF128	2.04E+00
ENSBTAG000000003668	1.85E-10	1.26E-10	CXorf57	1.46E+00
ENSBTAG000000047601	0	1.94E-10		5.15E-04
ENSBTAG000000047439	1.74E-10	1.59E-10		1.09E+00
ENSBTAG000000036028	2.07E-10	1.96E-10		1.06E+00
ENSBTAG000000006026	1.64E-10	1.37E-10	BEX3	1.19E+00
ENSBTAG000000022502	6.08E-10	2.91E-10		2.09E+00
ENSBTAG000000027843	2.54E-10	3.21E-10	TCEAL8	7.93E-01
ENSBTAG000000001311	5.40E-11	8.50E-11	MORF4L2	6.35E-01
ENSBTAG000000003320	1.09E-10	1.08E-10	GLRA4	1.01E+00
ENSBTAG000000006977	1.40E-10	7.83E-11	PLP1	1.79E+00
ENSBTAG000000019820	5.59E-11	5.64E-11	RAB9B	9.92E-01
ENSBTAG000000047211	3.56E-10	3.59E-10		9.92E-01
ENSBTAG000000047168	1.73E-10	3.27E-10		5.29E-01
ENSBTAG000000040363	3.96E-10	5.62E-10		7.05E-01
ENSBTAG000000048051	6.31E-10	1.22E-09		5.17E-01
ENSBTAG000000000441	8.23E-11	4.60E-11	SLC25A53	1.79E+00
ENSBTAG000000004008	6.67E-11	9.67E-11	FAM199X	6.91E-01

ENSBTAG00000005953	6.47E-11	4.89E-11		1.32E+00
ENSBTAG00000034644	2.68E-10	2.45E-10		1.09E+00
ENSBTAG00000045877	5.88E-11	1.14E-10	TSC22D3	5.16E-01
ENSBTAG00000019703	8.03E-11	1.24E-10	PRPS1	6.48E-01
ENSBTAG00000003121	2.88E-11	1.20E-10	FRMPD3	2.41E-01
ENSBTAG00000045876	2.03E-10	1.72E-10		1.18E+00
ENSBTAG00000005294	6.28E-11	8.57E-11		7.33E-01
ENSBTAG00000006568	2.30E-10	9.43E-11		2.44E+00
ENSBTAG00000003321	1.26E-10	7.48E-11	PIH1D3	1.68E+00
ENSBTAG00000000955	7.23E-11	6.76E-11	RBM41	1.07E+00
ENSBTAG00000021968	8.98E-11	6.20E-11		1.45E+00
ENSBTAG00000024943	3.13E-11	3.94E-11		7.95E-01
ENSBTAG00000048086	5.18E-11	1.30E-10		3.99E-01
ENSBTAG00000007859	7.34E-11	5.24E-11	VSIG1	1.40E+00
ENSBTAG00000013721	3.36E-11	2.83E-11	PSMD10	1.19E+00
ENSBTAG00000013724	1.01E-10	6.93E-11	ATG4A	1.45E+00
ENSBTAG00000013760	1.41E-10	1.21E-10	COL4A6	1.16E+00
ENSBTAG00000014575	1.37E-10	1.21E-10	COL4A5	1.14E+00
ENSBTAG00000026003	1.44E-10	1.21E-10	GUCY2F	1.19E+00
ENSBTAG00000020739	1.24E-11	1.57E-11	NXT2	7.94E-01
ENSBTAG00000018986	8.09E-11	5.92E-11	ACSL4	1.37E+00
ENSBTAG00000037413	1.59E-10	1.07E-10	TMEM164	1.49E+00
ENSBTAG00000022288	6.34E-11	6.83E-11	AMMECR1	9.28E-01
ENSBTAG000000037650	1.75E-11	2.21E-11	RGAG1	7.94E-01
ENSBTAG00000004432	1.14E-10	6.76E-11	CHRDL1	1.69E+00
ENSBTAG00000048080	9.32E-10	3.33E-10		2.80E+00
ENSBTAG00000015670	4.33E-10	4.01E-10	PAK3	1.08E+00
ENSBTAG00000000828	8.64E-11	1.13E-10	CAPN6	7.64E-01
ENSBTAG00000019591	1.55E-10	1.47E-10	DCX	1.05E+00
ENSBTAG00000004586	1.32E-10	1.47E-10		8.96E-01
ENSBTAG00000015251	6.51E-11	7.91E-11		8.23E-01
ENSBTAG00000010065	1.67E-10	1.65E-10	TRPC5	1.01E+00
ENSBTAG00000021624	2.32E-10	3.65E-11		6.34E+00
ENSBTAG00000006252	4.61E-10	3.00E-10		1.54E+00
ENSBTAG00000032485	2.09E-10	2.50E-10	LHFPL1	8.36E-01
ENSBTAG00000016221	1.52E-10	1.38E-10	AMOT	1.10E+00
ENSBTAG00000002015	6.18E-11	2.60E-11	RPS6KA6	2.37E+00
ENSBTAG00000047417	1.67E-10	7.24E-11	CYLC1	2.30E+00
ENSBTAG00000010587	7.49E-11	4.51E-11	SH3BGRL	1.66E+00
ENSBTAG00000001877	2.70E-11	3.40E-11		7.95E-01
ENSBTAG00000016230	4.12E-11	2.19E-11	BRWD3	1.88E+00
ENSBTAG00000011613	1.23E-10	8.97E-11	PLS3	1.37E+00
ENSBTAG00000047385	2.01E-10	1.13E-10		1.78E+00
ENSBTAG00000002001	1.13E-10	6.81E-11		1.66E+00
ENSBTAG00000044037	8.02E-11	1.01E-11		7.88E+00
ENSBTAG00000009598	2.04E-10	1.59E-11	CHM	1.28E+01
ENSBTAG00000014485	6.26E-11	1.37E-11	POF1B	4.54E+00
ENSBTAG00000021790	6.03E-11	1.08E-11	APOOL	5.54E+00
ENSBTAG00000027867	8.78E-11	1.63E-11		5.36E+00
ENSBTAG00000045653	6.44E-11	1.71E-11	FAM46D	3.75E+00
ENSBTAG00000048060	3.38E-11	1.06E-11	TBX22	3.17E+00
ENSBTAG00000046159	8.58E-11	2.70E-11	ITM2A	3.17E+00
ENSBTAG00000008555	3.06E-11	2.76E-11	P2RY10	1.11E+00
ENSBTAG00000026025	8.54E-11	7.39E-11		1.16E+00
ENSBTAG00000000895	9.55E-11	8.02E-11	TAF9B	1.19E+00
ENSBTAG00000000894	1.88E-10	6.37E-11	PGK1	2.95E+00
ENSBTAG00000010018	1.21E-10	8.96E-11	ATP7A	1.35E+00
ENSBTAG00000047768	6.19E-11	5.20E-11		1.19E+00
ENSBTAG00000045931	9.11E-11	4.11E-11	MAGT1	2.21E+00
ENSBTAG00000038434	5.23E-11	3.89E-11	ATRX	1.34E+00
ENSBTAG00000006722	2.04E-11	1.29E-11	FGF16	1.58E+00
ENSBTAG00000046806	1.53E-10	4.81E-11		3.17E+00
ENSBTAG00000008047	1.49E-10	1.30E-10	ZDHHHC15	1.14E+00
ENSBTAG00000004549	1.22E-10	1.03E-10	UPRT	1.19E+00
ENSBTAG00000011028	2.05E-10	1.59E-10	ABCB7	1.29E+00
ENSBTAG00000000300	4.21E-11	1.77E-11	KIAA2022	2.37E+00
ENSBTAG00000015630	1.32E-10	1.55E-10	RLIM	8.50E-01
ENSBTAG00000002585	1.00E-10	6.32E-12	SLC16A2	1.56E+01
ENSBTAG00000020826	1.31E-10	2.79E-11	CHIC1	4.69E+00
ENSBTAG00000032014	1.98E-10	1.29E-10		1.53E+00

ENSBTAG00000015848	3.14E-10	1.42E-10	PHKA1	2.21E+00
ENSBTAG00000046092	8.70E-11	2.38E-11	HDAC8	3.64E+00
ENSBTAG00000045925	5.43E-11	5.13E-11	CITED1	1.06E+00
ENSBTAG00000018800	9.19E-11	1.16E-10	RPS4X	7.93E-01
ENSBTAG00000005607	2.36E-10	2.06E-10	ERCC6L	1.14E+00
ENSBTAG00000047376	2.44E-10	2.72E-10	PIN4	8.98E-01
ENSBTAG00000045565	4.58E-11	1.92E-11	NHSL2	2.38E+00
ENSBTAG00000045642	8.95E-10	8.83E-10		1.01E+00
ENSBTAG00000048245	4.45E-10	4.46E-10		9.98E-01
ENSBTAG00000000902	1.63E-10	4.75E-11	OGT	3.43E+00
ENSBTAG00000006878	2.01E-10	1.58E-10		1.27E+00
ENSBTAG00000012163	6.86E-11	2.88E-11	ITGB1BP2	2.38E+00
ENSBTAG00000012152	1.43E-10	7.07E-11	NONO	2.03E+00
ENSBTAG00000008492	1.25E-10	4.31E-11	ZMYM3	2.91E+00
ENSBTAG00000020512	1.44E-10	2.78E-11	GJB1	5.16E+00
ENSBTAG00000007708	1.46E-10	3.67E-11	NLGN3	3.96E+00
ENSBTAG00000021351	1.14E-10	2.32E-11	MED12	4.90E+00
ENSBTAG00000007626	1.80E-10	1.42E-10	IL2RG	1.27E+00
ENSBTAG00000032209	2.36E-10	9.91E-11	CXorf65	2.38E+00
ENSBTAG00000004879	7.43E-11	4.68E-11	FOXO4	1.59E+00
ENSBTAG00000007871	1.68E-10	1.06E-10	SNX12	1.59E+00
ENSBTAG00000007403	1.20E-10	9.45E-11	SLC7A3	1.27E+00
ENSBTAG00000016272	1.61E-10	2.65E-11	TEX11	6.04E+00
ENSBTAG00000011291	1.33E-10	3.27E-11	DLG3	4.06E+00
ENSBTAG00000012863	1.92E-10	5.48E-11	GDPD2	3.49E+00
ENSBTAG00000012861	5.17E-10	4.68E-11	KIF4A	1.10E+01
ENSBTAG00000012856	4.93E-10	3.49E-11	ARR3	1.41E+01
ENSBTAG00000018839	6.94E-10	3.10E-10	AWAT1	2.24E+00
ENSBTAG00000007798	2.35E-10	4.36E-11	DGAT2L6	5.37E+00
ENSBTAG00000007797	3.02E-10	1.32E-11		2.27E+01
ENSBTAG00000012281	5.51E-10	1.54E-10	AWAT2	3.57E+00
ENSBTAG00000012543	3.52E-10	1.38E-10	EDA	2.55E+00
ENSBTAG00000011310	2.79E-10	1.97E-10	FAM155B	1.42E+00
ENSBTAG00000015801	1.42E-10	1.02E-10	EFNB1	1.39E+00
ENSBTAG00000033702	2.77E-10	6.70E-11	STARD8	4.13E+00
ENSBTAG00000001977	8.99E-11	8.09E-12	YIPF6	1.10E+01
ENSBTAG00000022255	1.91E-10	1.52E-11	AR	1.25E+01
ENSBTAG00000047326	1.37E-10	2.88E-11	EDA2R	4.76E+00
ENSBTAG00000047411	5.56E-10	5.44E-10		1.02E+00
ENSBTAG000000007654	1.79E-10	1.02E-11	CHST7	1.74E+01
ENSBTAG00000003290	2.43E-10	8.62E-12	SLC9A7	2.79E+01
ENSBTAG00000005496	1.65E-10	1.09E-10	RP2	1.51E+00
ENSBTAG00000005124	1.81E-10	1.06E-10	JADE3	1.71E+00
ENSBTAG00000046155	1.61E-10	2.79E-11	RGN	5.74E+00
ENSBTAG00000002890	1.36E-10	8.14E-11	RBM10	1.66E+00
ENSBTAG00000016764	1.58E-10	3.32E-11	UBA1	4.76E+00
ENSBTAG00000016769	6.46E-11	1.81E-11	CDK16	3.56E+00
ENSBTAG00000016772	1.35E-10	3.53E-11	USP11	3.81E+00
ENSBTAG00000038589	3.34E-10	1.12E-10	ZNF157	2.98E+00
ENSBTAG00000002113	3.36E-10	8.92E-11		3.76E+00
ENSBTAG00000005039	7.06E-11	1.97E-11	ARAF	3.57E+00
ENSBTAG00000005042	1.38E-10	1.49E-10		9.26E-01
ENSBTAG00000005043	1.28E-10	1.08E-10	TIMP1	1.19E+00
ENSBTAG00000005866	6.33E-11	5.20E-11	ZNF81	1.22E+00
ENSBTAG00000015817	3.88E-11	2.09E-11	ELK1	1.85E+00
ENSBTAG00000039794	1.04E-10	4.35E-11		2.38E+00
ENSBTAG00000031845	3.39E-10	4.89E-10	SSX5	6.94E-01
ENSBTAG00000031829	4.49E-11	2.26E-11		1.98E+00
ENSBTAG00000009282	1.01E-10	9.74E-11	PORCN	1.03E+00
ENSBTAG00000009287	8.10E-11	7.65E-11	EBP	1.06E+00
ENSBTAG00000009288	1.06E-10	8.64E-11	TBC1D25	1.23E+00
ENSBTAG00000025848	5.94E-11	7.48E-11	RBM3	7.94E-01
ENSBTAG00000018060	1.75E-10	1.62E-10	WDR13	1.08E+00
ENSBTAG00000046555	8.50E-11	1.48E-10	WAS	5.74E-01
ENSBTAG00000004706	8.88E-11	1.04E-10	SUV39H1	8.54E-01
ENSBTAG00000003184	2.79E-11	7.03E-11	GATA1	3.98E-01
ENSBTAG00000013244	3.46E-11	6.54E-11	HDAC6	5.30E-01
ENSBTAG00000013250	3.63E-11	6.85E-11	PCSK1N	5.30E-01
ENSBTAG00000018496	0	2.72E-11	TIMM17B	3.66E-03
ENSBTAG00000018498	1.43E-11	1.80E-11	PQBP1	7.93E-01

ENSBTAG00000002768	2.23E-11	1.40E-11	SLC35A2	1.59E+00
ENSBTAG00000004597	1.46E-11	1.84E-11	PIM2	7.95E-01
ENSBTAG00000004600	1.18E-10	7.81E-11	OTUD5	1.51E+00
ENSBTAG00000009024	2.05E-10	8.61E-11	KCND1	2.38E+00
ENSBTAG00000007788	1.72E-10	2.88E-11	GRIPAP1	5.95E+00
ENSBTAG00000008523	7.10E-11	2.68E-11	TFE3	2.64E+00
ENSBTAG00000002561	4.54E-11	7.15E-11	CCDC120	6.35E-01
ENSBTAG00000002563	4.72E-11	3.96E-11	WDR45	1.19E+00
ENSBTAG00000002568	4.56E-11	5.75E-11	GPLOW	7.94E-01
ENSBTAG00000013278	8.68E-11	1.09E-10	MAGIX	7.96E-01
ENSBTAG00000016093	5.39E-11	3.39E-11		1.59E+00
ENSBTAG00000016095	3.64E-11	4.59E-11	PRICKLE3	7.94E-01
ENSBTAG00000016096	2.77E-11	3.50E-11	SYP	7.93E-01
ENSBTAG00000016097	7.24E-11	3.19E-11	CACNA1F	2.27E+00
ENSBTAG00000013277	1.63E-11	2.05E-11	CCDC22	7.95E-01
ENSBTAG00000013279	1.03E-10	6.49E-11	FOXP3	1.59E+00
ENSBTAG00000021100	3.02E-11	4.44E-11	PPP1R3F	6.81E-01
ENSBTAG00000037728	1.96E-10	2.46E-10	PAGE4	7.95E-01
ENSBTAG00000046069	3.50E-11	4.41E-11	LYZE	7.94E-01
ENSBTAG00000046774	7.86E-11	5.40E-11	ZNF182	1.45E+00
ENSBTAG00000001507	5.23E-11	3.18E-11	CLCN5	1.64E+00
ENSBTAG00000016399	1.50E-10	5.72E-12	AKAP4	2.58E+01
ENSBTAG00000046286	1.15E-10	2.04E-11	CCNB3	5.63E+00
ENSBTAG00000022962	1.99E-10	6.67E-11	DGKK	2.98E+00
ENSBTAG00000002996	2.02E-10	6.60E-11	SHROOM4	3.05E+00
ENSBTAG00000045782	2.72E-10	9.34E-11	BMP15	2.91E+00
ENSBTAG00000005252	1.76E-10	6.05E-11	NUDT10	2.91E+00
ENSBTAG00000048077	1.42E-10	1.52E-10	MAGED4B	9.37E-01
ENSBTAG00000008733	1.56E-10	9.07E-11	MAGED1	1.72E+00
ENSBTAG00000017767	1.34E-10	1.59E-10	GPR173	8.42E-01
ENSBTAG00000017783	4.75E-11	5.98E-11	TSPYL2	7.94E-01
ENSBTAG00000014943	5.32E-11	7.03E-11	KDM5C	7.57E-01
ENSBTAG00000014945	4.73E-11	5.15E-11	IQSEC2	9.19E-01
ENSBTAG00000017761	1.42E-11	2.98E-11	SMC1A	4.78E-01
ENSBTAG00000017769	1.77E-11	2.23E-11	RIBC1	7.96E-01
ENSBTAG00000006122	3.38E-11	1.18E-11	HUWE1	2.85E+00
ENSBTAG00000013289	6.40E-11	1.74E-11	PHF8	3.67E+00
ENSBTAG00000003855	4.97E-11	2.87E-11	FAM120C	1.73E+00
ENSBTAG00000023182	7.90E-11	4.56E-11	WNK3	1.73E+00
ENSBTAG00000015858	3.30E-11	4.16E-11		7.95E-01
ENSBTAG00000015860	3.26E-11	2.46E-11	FGD1	1.32E+00
ENSBTAG00000031564	1.30E-10	6.92E-11	GNL3L	1.88E+00
ENSBTAG00000037931	1.94E-10	2.44E-10	RPL39	7.94E-01
ENSBTAG00000000172	6.16E-11	3.78E-11	PFKFB1	1.63E+00
ENSBTAG00000039888	5.63E-11	4.26E-11	MAGED2	1.32E+00
ENSBTAG00000013177	1.05E-11	1.32E-11	APEX2	7.97E-01
ENSBTAG00000013178	3.01E-11	2.28E-11	ALAS2	1.32E+00
ENSBTAG00000012980	5.04E-11	2.54E-12	RRAGB	1.91E+01
ENSBTAG00000005852	5.31E-11	1.27E-11	KLF8	4.16E+00
ENSBTAG00000038387	3.51E-11	1.47E-11		2.38E+00
ENSBTAG00000047416	6.87E-11	3.41E-11	HEPH	2.01E+00
ENSBTAG00000015769	8.59E-11	4.75E-11	VSIG4	1.81E+00
ENSBTAG00000003418	1.92E-10	1.46E-10	MSN	1.32E+00
ENSBTAG00000002210	5.35E-11	1.04E-11	LAS1L	5.11E+00
ENSBTAG00000002206	7.52E-11	3.79E-11	ZC3H12B	1.98E+00
ENSBTAG00000003779	1.21E-10	5.05E-11	ZC4H2	2.40E+00
ENSBTAG00000022529	2.20E-10	9.24E-11		2.38E+00
ENSBTAG00000035705	9.77E-11	4.55E-11	MTMR8	2.14E+00
ENSBTAG00000007211	9.80E-11	6.17E-11	ASB12	1.59E+00
ENSBTAG00000012729	8.73E-11	3.13E-11	ARHGEF9	2.78E+00
ENSBTAG00000016186	9.16E-11	5.77E-11		1.59E+00
ENSBTAG00000002956	4.55E-11	9.04E-12	ZNF674	4.99E+00
ENSBTAG00000020717	2.18E-10	2.60E-10	CXorf36	8.37E-01
ENSBTAG00000003740	8.45E-11	8.69E-11	KDM6A	9.72E-01
ENSBTAG00000001637	2.82E-10	1.86E-11	FUNDC1	1.51E+01
ENSBTAG00000046948	6.51E-11	8.20E-11		7.94E-01
ENSBTAG00000012623	1.17E-10	1.75E-10	NDP	6.72E-01
ENSBTAG00000001288	1.85E-10	1.58E-10	MAOB	1.17E+00
ENSBTAG00000016206	1.44E-10	9.39E-11	MAOA	1.54E+00
ENSBTAG00000020136	1.12E-10	8.67E-11	CASK	1.29E+00



ENSBTAG00000035907	1.51E-10	4.74E-11	DDX3X	3.17E+00
ENSBTAG00000006242	1.36E-10	8.19E-11	USP9Y	1.66E+00
ENSBTAG000000011790	2.48E-10	1.03E-11	MED14	2.38E+01
ENSBTAG000000011788	3.05E-10	1.31E-10	CXorf38	2.33E+00
ENSBTAG000000017801	5.05E-10	4.13E-10	ATP6AP2	1.22E+00
ENSBTAG000000047339	2.42E-10	6.08E-11	BCOR	3.97E+00
ENSBTAG000000008966	1.59E-10	7.71E-11	TSPAN7	2.06E+00
ENSBTAG00000046998	0	1.22E-10		8.19E-04
ENSBTAG00000001488	2.21E-10	2.10E-10	OTC	1.05E+00
ENSBTAG000000003893	1.43E-10	1.71E-10		8.38E-01
ENSBTAG000000045867	1.62E-10	1.46E-10		1.11E+00
ENSBTAG000000004280	1.48E-10	1.32E-10	SRPX	1.12E+00
ENSBTAG000000004955	4.11E-10	3.45E-10	SYTL5	1.19E+00
ENSBTAG000000038156	2.48E-10	2.30E-10	DYNLT3	1.08E+00
ENSBTAG000000019953	1.44E-10	9.09E-11	CYBB	1.59E+00
ENSBTAG000000012718	1.25E-10	2.92E-11	XK	4.26E+00
ENSBTAG000000003088	1.65E-10	1.76E-11	LANCL3	9.32E+00
ENSBTAG000000047536	8.66E-11	3.64E-11	PRRG1	2.38E+00
ENSBTAG000000005749	5.17E-10	2.07E-10		2.50E+00
ENSBTAG000000024662	2.18E-10	2.13E-10		1.02E+00
ENSBTAG000000047410	1.95E-10	1.73E-10		1.13E+00
ENSBTAG000000009140	2.44E-10	4.35E-11	CFAP47	5.59E+00
ENSBTAG000000038595	2.34E-10	6.24E-11		3.74E+00
ENSBTAG000000014304	2.03E-10	1.86E-10	TMEM47	1.09E+00
ENSBTAG000000040357	3.93E-10	2.86E-10		1.37E+00
ENSBTAG000000004324	1.62E-10	2.34E-10		6.93E-01
ENSBTAG000000046838	1.09E-10	1.53E-10		7.13E-01
ENSBTAG000000039904	4.29E-10	4.86E-10		8.83E-01
ENSBTAG000000008248	1.58E-10	1.08E-10		1.47E+00
ENSBTAG000000048159	1.75E-10	4.22E-11		4.15E+00
ENSBTAG000000008124	1.51E-10	2.63E-11		5.72E+00
ENSBTAG000000015532	2.54E-10	7.10E-11	NR0B1	3.58E+00
ENSBTAG000000034064	4.42E-10	3.34E-10	MGC133764	1.32E+00
ENSBTAG000000035745	6.55E-10	4.37E-10		1.50E+00
ENSBTAG000000004563	1.16E-09	7.56E-10		1.54E+00
ENSBTAG000000045537	1.33E-09	1.77E-09		7.49E-01
ENSBTAG000000046252	1.73E-10	2.18E-10		7.94E-01
ENSBTAG000000014457	7.99E-11	1.01E-10		7.91E-01
ENSBTAG000000032895	1.81E-10	3.19E-10		5.67E-01
ENSBTAG000000037496	7.82E-10	3.77E-10		2.07E+00
ENSBTAG000000045890	5.32E-11	2.01E-10		2.65E-01
ENSBTAG000000011750	5.13E-10	2.53E-10		2.03E+00
ENSBTAG000000047709	6.76E-10	5.37E-10		1.26E+00
ENSBTAG000000037469	2.29E-10	5.76E-11		3.97E+00
ENSBTAG000000033894	1.43E-10	1.80E-10		7.94E-01
ENSBTAG000000038876	1.74E-10	1.31E-10		1.32E+00
ENSBTAG000000008170	8.14E-11	4.06E-11	POLA1	2.00E+00
ENSBTAG000000016107	1.70E-10	1.37E-10	PCYT1B	1.24E+00
ENSBTAG000000017832	2.27E-10	2.45E-10	PDK3	9.27E-01
ENSBTAG00000006384	6.76E-11	2.56E-10		2.65E-01
ENSBTAG000000006380	2.63E-10	1.99E-10		1.32E+00
ENSBTAG000000007730	2.97E-10	6.07E-11	ZFY	4.89E+00
ENSBTAG000000014337	7.15E-11	9.70E-11		7.37E-01
ENSBTAG000000020561	9.33E-11	5.56E-11	KLHL15	1.68E+00
ENSBTAG000000010939	1.36E-10	4.43E-11	CXorf58	3.07E+00
ENSBTAG000000010937	3.36E-11	2.16E-10	APOO	1.56E-01
ENSBTAG000000017363	2.69E-11	3.38E-11	SSAT-1	7.95E-01
ENSBTAG000000011258	5.61E-11	1.20E-10	ACOT9	4.68E-01
ENSBTAG000000006165	1.14E-10	3.98E-11	PRDX4	2.86E+00
ENSBTAG000000020987	6.99E-11	6.70E-11	PTCHD1	1.04E+00
ENSBTAG000000046635	7.22E-10	6.53E-10	DDX53	1.11E+00
ENSBTAG000000016653	2.69E-10	3.39E-10		7.93E-01
ENSBTAG000000036343	0	8.52E-11		1.17E-03
ENSBTAG000000000419	1.99E-10	1.32E-10	PHEX	1.51E+00
ENSBTAG000000018382	1.69E-10	7.23E-11	SMS	2.34E+00
ENSBTAG000000008183	9.26E-11	2.57E-11	MBTPS2	3.59E+00
ENSBTAG000000015204	8.00E-11	7.37E-11	SMPX	1.09E+00
ENSBTAG000000044202	8.90E-11	5.63E-11	CNKSR2	1.58E+00
ENSBTAG000000047699	1.08E-09	4.19E-10		2.58E+00
ENSBTAG000000017639	9.22E-11	6.58E-11	RPS6KA3	1.40E+00

ENSBTAG00000017633	5.79E-11	3.13E-11	EIF1AX	1.85E+00
ENSBTAG00000003727	4.86E-11	9.80E-12	SH3KBP1	4.92E+00
ENSBTAG00000019855	8.22E-11	1.70E-11	MAP3K15	4.82E+00
ENSBTAG00000019852	4.65E-11	4.50E-12	PDHA1	1.01E+01
ENSBTAG00000038660	3.42E-10	2.62E-10	MGC134232	1.31E+00
ENSBTAG00000000576	1.34E-10	1.42E-10	ADGRG2	9.42E-01
ENSBTAG00000015355	1.70E-10	1.72E-10	PHKA2	9.91E-01
ENSBTAG00000009545	1.29E-10	3.89E-10	PPEF1	3.31E-01
ENSBTAG00000031145	9.43E-11	1.25E-10	RS1	7.55E-01
ENSBTAG00000007428	6.52E-11	1.92E-10	CDKL5	3.40E-01
ENSBTAG00000009420	9.36E-11	8.71E-11	SCML2	1.07E+00
ENSBTAG00000031198	9.47E-11	8.48E-11	BEND2	1.12E+00
ENSBTAG00000007022	7.87E-11	9.91E-11		7.94E-01
ENSBTAG00000017649	9.55E-11	5.06E-11	SCML1	1.89E+00
ENSBTAG00000039195	9.68E-11	1.30E-10	NHS	7.45E-01
ENSBTAG00000031261	1.44E-10	5.98E-11	REPS2	2.41E+00
ENSBTAG00000002820	8.81E-11	4.98E-11	RBBP7	1.77E+00
ENSBTAG00000001768	3.59E-11	2.77E-11	TXLNG	1.30E+00
ENSBTAG00000003316	4.64E-11	3.25E-11	SYAP1	1.43E+00
ENSBTAG00000017017	1.13E-10	1.09E-10	CTPS2	1.03E+00
ENSBTAG00000045809	0	7.42E-10		1.35E-04
ENSBTAG00000021126	3.64E-10	6.32E-10		5.77E-01
ENSBTAG00000007092	1.61E-10	2.31E-10	GRPR	6.99E-01
ENSBTAG00000020420	9.58E-11	6.03E-11	AP1S2	1.59E+00
ENSBTAG00000020419	2.15E-10	7.98E-11		2.69E+00
ENSBTAG00000020418	1.29E-10	1.58E-10	CA5B	8.14E-01
ENSBTAG00000048296	2.35E-10	2.51E-10		9.37E-01
ENSBTAG00000047861	2.22E-10	4.60E-10		4.82E-01
ENSBTAG00000034402	2.63E-10	1.58E-10	ACE2	1.66E+00
ENSBTAG00000000377	1.33E-10	1.23E-10	BMX	1.08E+00
ENSBTAG00000009477	1.91E-10	1.41E-10	PIR	1.36E+00
ENSBTAG00000009476	2.02E-10	1.95E-10	VEGFD	1.04E+00
ENSBTAG00000007646	1.21E-10	5.44E-11	PIGA	2.22E+00
ENSBTAG00000001514	1.47E-10	6.41E-11	ASB11	2.29E+00
ENSBTAG00000009198	3.38E-10	2.92E-10	ASB9	1.16E+00
ENSBTAG00000018292	1.79E-10	1.45E-10		1.24E+00
ENSBTAG00000016433	9.99E-11	2.16E-10	FANCB	4.63E-01
ENSBTAG00000017209	3.50E-10	1.38E-10	GLRA2	2.54E+00
ENSBTAG00000010289	1.08E-10	5.92E-12	GEMIN8	1.80E+01
ENSBTAG00000009260	1.69E-10	1.12E-10	GPM6B	1.51E+00
ENSBTAG00000004461	8.27E-11	4.87E-11	OFD1	1.70E+00
ENSBTAG00000010922	1.15E-10	5.97E-11		1.93E+00
ENSBTAG00000010923	9.68E-11	4.24E-11	RAB9A	2.28E+00
ENSBTAG00000017945	3.11E-10	3.72E-11		8.33E+00
ENSBTAG00000017927	4.47E-10	3.00E-10	EGFL6	1.49E+00
ENSBTAG00000032833	6.49E-10	7.43E-10		8.73E-01
ENSBTAG00000012089	1.35E-10	1.18E-10		1.15E+00
ENSBTAG00000002626	1.57E-10	1.05E-10	ARHGAP6	1.50E+00
ENSBTAG00000012113	2.07E-10	1.18E-11	HCCS	1.74E+01
ENSBTAG00000014367	1.14E-09	6.13E-10	PRKX	1.86E+00
ENSBTAG00000022150	4.28E-10	3.02E-10	MXRA5	1.42E+00
ENSBTAG00000047161	9.99E-10	9.58E-10	ARSH	1.04E+00
ENSBTAG00000014932	6.03E-10	5.52E-10	ARSE	1.09E+00
ENSBTAG00000010152	2.16E-10	1.88E-10	MID1	1.15E+00
ENSBTAG00000013341	7.92E-10	4.77E-10	GYG2	1.66E+00
ENSBTAG00000046328	7.40E-10	6.44E-10	XG	1.15E+00
ENSBTAG00000008114	9.60E-10	5.80E-10	CD99	1.66E+00
ENSBTAG00000048287	7.15E-10	6.09E-10		1.17E+00
ENSBTAG00000038488	7.93E-11	4.99E-11	TMSB4Y	1.59E+00
ENSBTAG00000022161	8.09E-11	6.97E-11	TLR7	1.16E+00
ENSBTAG00000047997	9.80E-11	7.20E-11	PRPS2	1.36E+00
ENSBTAG00000020803	1.31E-10	5.52E-11		2.38E+00
ENSBTAG00000017785	1.37E-10	1.01E-10	FRMPD4	1.36E+00
ENSBTAG00000009278	2.22E-10	6.66E-11	MSL3	3.33E+00
ENSBTAG00000048172	1.30E-11	2.13E-10		6.15E-02
ENSBTAG00000011121	1.86E-10	1.43E-10	CLCN4	1.30E+00
ENSBTAG00000013824	1.74E-10	1.37E-10	WWC3	1.27E+00
ENSBTAG00000009932	5.72E-11	1.01E-10		5.66E-01
ENSBTAG00000046123	3.32E-11	2.08E-10	UTY	1.60E-01
ENSBTAG00000045750	7.55E-12	2.29E-10	DDX3Y	3.34E-02

ENSBTAG00000047068	2.06E-10	1.01E-10		2.03E+00
ENSBTAG00000002158	3.53E-10	3.31E-10		1.07E+00
ENSBTAG000000035438	3.12E-10	6.04E-10		5.17E-01
ENSBTAG000000046131	2.40E-10	5.19E-10		4.63E-01
ENSBTAG000000035122	2.25E-10	8.63E-11		2.61E+00
ENSBTAG000000048102	1.02E-11	1.64E-10		6.27E-02
ENSBTAG000000000211	7.95E-10	2.00E-10		3.97E+00
ENSBTAG000000006472	6.27E-10	9.77E-11	GPR143	6.41E+00
ENSBTAG000000047774	0	1.20E-10		8.33E-04
ENSBTAG000000046201	4.26E-11	2.30E-10		1.86E-01
ENSBTAG000000045544	5.99E-11	2.39E-10		2.51E-01
ENSBTAG000000018112	7.97E-10	4.29E-10	TBL1Y	1.86E+00
ENSBTAG000000001049	9.98E-10	6.90E-10	ANOS1	1.45E+00
ENSBTAG000000015849	1.55E-09	1.10E-09	PNPLA4	1.41E+00
ENSBTAG000000020789	5.74E-10	7.00E-10	STS	8.19E-01
ENSBTAG000000000207	7.64E-10	6.31E-10	PUDP	1.21E+00
ENSBTAG000000027841	8.72E-10	5.58E-10		1.56E+00
ENSBTAG000000046084	2.15E-10	1.65E-10		1.30E+00
ENSBTAG000000016820	7.74E-10	1.12E-10		6.91E+00
ENSBTAG000000012491	6.71E-10	7.27E-10		9.23E-01
ENSBTAG000000025951	3.72E-10	1.89E-10		1.97E+00
ENSBTAG000000016989	5.09E-10	5.68E-10		8.96E-01
ENSBTAG000000025952	2.89E-10	3.11E-10		9.28E-01
ENSBTAG000000039391	5.58E-11	7.03E-11	USP27X	7.94E-01
ENSBTAG000000048163	6.48E-10	8.17E-10		7.93E-01
ENSBTAG000000047547	1.38E-09	1.74E-09		7.96E-01
ENSBTAG000000046531	4.72E-10	5.95E-10		7.94E-01
ENSBTAG000000008839	0	3.07E-11	AMER1	3.25E-03
ENSBTAG000000017948	2.19E-10	1.38E-10	SPIN4	1.58E+00
ENSBTAG000000008911	4.76E-10	1.28E-10		3.72E+00
ENSBTAG000000031523	1.01E-10	4.22E-11		2.38E+00
ENSBTAG000000046407	5.70E-11	7.18E-11	NYX	7.94E-01
ENSBTAG000000046448	2.97E-10	3.75E-10		7.93E-01
ENSBTAG000000047493	5.18E-10	1.30E-10		3.99E+00
ENSBTAG000000012533	2.97E-10	3.75E-10		7.93E-01
ENSBTAG000000034437	6.55E-10	6.18E-10		1.06E+00
ENSBTAG000000013995	1.58E-10	1.99E-10		7.94E-01
ENSBTAG000000037704	7.85E-10	6.58E-10		1.19E+00
ENSBTAG000000031320	3.92E-10	3.95E-10		9.93E-01
ENSBTAG0000000008511	3.53E-11	4.45E-11	PPP4R3CP	7.94E-01
ENSBTAG000000047457	3.98E-10	5.01E-10		7.94E-01
ENSBTAG000000046171	3.18E-10	2.00E-10		1.59E+00
ENSBTAG000000047665	2.56E-10	1.07E-10		2.39E+00
ENSBTAG000000038751	8.01E-11	1.01E-10	MAGEB18	7.93E-01
ENSBTAG000000006383	2.06E-10	2.60E-10		7.93E-01
ENSBTAG000000047581	4.78E-10	4.01E-10		1.19E+00
ENSBTAG000000011277	1.68E-10	2.11E-10		7.94E-01
ENSBTAG000000016019	8.94E-10	8.44E-10		1.06E+00
ENSBTAG000000045756	3.04E-10	3.83E-10		7.94E-01
ENSBTAG000000040043	4.30E-11	5.42E-11	ARMCX6	7.94E-01
ENSBTAG000000032806	0	1.88E-10		5.32E-04
ENSBTAG000000014287	5.27E-10	5.31E-10		9.93E-01
ENSBTAG000000005290	6.13E-11	3.86E-11	CLDN2	1.59E+00
ENSBTAG000000006535	2.17E-11	2.74E-11	IRS4	7.94E-01
ENSBTAG000000046820	4.38E-10	2.76E-10		1.59E+00
ENSBTAG000000032696	3.36E-10	1.41E-10		2.38E+00
ENSBTAG000000012319	5.86E-11	7.38E-11	KCNE5	7.94E-01
ENSBTAG000000047218	3.08E-09	1.81E-09		1.70E+00
ENSBTAG000000045614	3.58E-10	2.25E-10		1.59E+00
ENSBTAG000000045678	1.21E-10	1.52E-10		7.96E-01
ENSBTAG000000046678	1.36E-10	1.71E-10		7.95E-01
ENSBTAG000000040541	7.51E-10	9.40E-11	P2RY4	7.98E+00
ENSBTAG000000047404	3.45E-10	3.26E-10		1.06E+00
ENSBTAG000000003343	7.54E-10	4.20E-10		1.79E+00
ENSBTAG000000024641	3.53E-10	4.45E-10	ZBED1	7.93E-01
ENSBTAG000000021684	2.89E-10	2.73E-10		1.06E+00
ENSBTAG000000047462	0	5.34E-10		1.87E-04
ENSBTAG000000047839	2.31E-10	2.91E-10	P2RY8	7.94E-01
ENSBTAG000000006034	6.40E-11	8.06E-11		7.94E-01
ENSBTAG000000000154	9.96E-10	1.25E-09	IRF2BP1	7.97E-01

ENSBTAG00000046395	1.28E-10	1.61E-10	CCDC169	7.93E-01
ENSBTAG00000047994	1.66E-10	2.09E-10		7.92E-01
ENSBTAG00000024210	8.20E-11	1.03E-10		7.96E-01
ENSBTAG00000021344	6.09E-11	1.53E-10	USP26	3.98E-01
ENSBTAG00000048173	2.22E-10	2.80E-10		7.93E-01
ENSBTAG00000038228	1.38E-10	1.74E-10		7.94E-01
ENSBTAG00000036257	1.76E-10	4.45E-10		3.96E-01
ENSBTAG00000045569	4.53E-10	3.26E-10		1.39E+00
ENSBTAG00000011780	1.30E-10	1.23E-10	SLITRK4	1.06E+00
ENSBTAG00000019009	3.21E-10	3.03E-10		1.06E+00
ENSBTAG00000039377	2.26E-10	2.44E-10	SLITRK2	9.28E-01
ENSBTAG00000036060	3.16E-10	2.65E-10		1.19E+00
ENSBTAG00000045798	2.15E-10	2.71E-10		7.94E-01
ENSBTAG00000002805	2.88E-10	9.05E-11		3.18E+00
ENSBTAG00000012748	7.96E-11	2.01E-10		3.96E-01
ENSBTAG00000023978	5.91E-10	1.03E-09		5.74E-01
ENSBTAG00000047711	0	0		1.00E+00
ENSBTAG00000047392	5.16E-10	0		5.16E+03
ENSBTAG00000046835	0	0		1.00E+00
ENSBTAG00000025651	0	0		1.00E+00
ENSBTAG00000019221	2.44E-10	0		2.45E+03
ENSBTAG00000000567	1.42E-10	0		1.42E+03
ENSBTAG00000036144	1.86E-10	0		1.86E+03
ENSBTAG00000047819	3.57E-10	0		3.57E+03
ENSBTAG00000014397	0	0		1.00E+00
ENSBTAG00000045773	1.14E-10	0		1.14E+03
ENSBTAG00000036058	2.18E-11	0		2.19E+02
ENSBTAG00000046565	2.11E-10	0		2.12E+03
ENSBTAG00000006296	1.74E-10	0	VMA21	1.74E+03
ENSBTAG00000046340	3.20E-11	0		3.21E+02
ENSBTAG00000047230	1.56E-10	0		1.56E+03
ENSBTAG00000019779	0	0	RAB39B	1.00E+00
ENSBTAG00000007813	1.42E-11	0	CMC4	1.43E+02
ENSBTAG00000045697	0	0	MTCP1	1.00E+00
ENSBTAG00000047917	3.78E-10	0		3.79E+03
ENSBTAG00000000520	7.54E-12	0	ATP2B3	7.64E+01
ENSBTAG00000008319	0	0	DUSP9	1.00E+00
ENSBTAG00000021422	3.34E-11	0	PDZD4	3.35E+02
ENSBTAG00000045947	0	0		1.00E+00
ENSBTAG000000022314	3.55E-11	0	EMD	3.56E+02
ENSBTAG00000007454	0	0		1.00E+00
ENSBTAG00000034444	0	0		1.00E+00
ENSBTAG00000019407	0	0		1.00E+00
ENSBTAG00000022339	6.84E-11	0		6.85E+02
ENSBTAG00000010114	0	0	ARMCX5	1.00E+00
ENSBTAG00000032875	0	0		1.00E+00
ENSBTAG00000027052	2.47E-10	0		2.47E+03
ENSBTAG000000009457	0	0		1.00E+00
ENSBTAG00000001979	1.86E-11	0	TAF7L	1.87E+02
ENSBTAG00000022292	0	0	TIMM8A	1.00E+00
ENSBTAG00000019250	1.93E-11	0	BTK	1.94E+02
ENSBTAG00000019253	0	0		1.00E+00
ENSBTAG00000019256	7.68E-12	0	GLA	7.78E+01
ENSBTAG00000007499	2.53E-11	0	HNRNPH2	2.54E+02
ENSBTAG00000026141	5.60E-11	0		5.61E+02
ENSBTAG00000038204	0	0		1.00E+00
ENSBTAG00000037996	1.69E-11	0	ARMCX3	1.70E+02
ENSBTAG00000047867	0	0		1.00E+00
ENSBTAG00000045706	1.00E-10	0		1.00E+03
ENSBTAG00000048143	0	0	TCEAL9	1.00E+00
ENSBTAG00000047295	0	0		1.00E+00
ENSBTAG00000014223	4.18E-11	0	RAN	4.19E+02
ENSBTAG00000008485	0	0	TCEAL1	1.00E+00
ENSBTAG00000046436	1.21E-10	0		1.21E+03
ENSBTAG00000046030	0	0		1.00E+00
ENSBTAG00000044115	5.33E-11	0	RIPPLY1	5.34E+02
ENSBTAG00000046327	0	0		1.00E+00
ENSBTAG00000002668	2.59E-11	0	ZNF711	2.60E+02
ENSBTAG00000013077	0	0		1.00E+00
ENSBTAG00000003299	7.38E-12	0	LPAR4	7.48E+01

ENSBTAG00000008326	0	0	ZCCHC5	1.00E+00
ENSBTAG00000024841	0	0		1.00E+00
ENSBTAG00000003609	0	0	PBDC1	1.00E+00
ENSBTAG00000001726	1.26E-10	0	CDX4	1.26E+03
ENSBTAG00000014798	2.34E-10	0	CXCR3	2.34E+03
ENSBTAG00000020513	5.51E-10	0	HNRNPF	5.51E+03
ENSBTAG00000012860	2.26E-10	0	PDZD11	2.26E+03
ENSBTAG00000047278	7.26E-11	0	NDUFB11	7.27E+02
ENSBTAG00000017660	7.52E-11	0		7.53E+02
ENSBTAG000000047194	0	0		1.00E+00
ENSBTAG00000015815	0	0	CFP	1.00E+00
ENSBTAG00000015820	2.55E-11	0	UXT	2.56E+02
ENSBTAG00000011854	2.02E-11	0	SLC38A5	2.03E+02
ENSBTAG00000002562	0	0	PRAF2	1.00E+00
ENSBTAG00000007493	0	0		1.00E+00
ENSBTAG00000017779	0	0	HSD17B10	1.00E+00
ENSBTAG000000013260	0	0		1.00E+00
ENSBTAG000000046769	4.62E-10	0		4.62E+03
ENSBTAG000000045616	0	0		1.00E+00
ENSBTAG000000047279	0	0		1.00E+00
ENSBTAG000000047580	3.14E-10	0		3.15E+03
ENSBTAG000000004151	7.69E-11	0		7.70E+02
ENSBTAG00000008603	3.85E-11	0	CXorf21	3.86E+02
ENSBTAG000000046027	0	0		1.00E+00
ENSBTAG000000017020	2.32E-11	0	S100G	2.33E+02
ENSBTAG000000047092	6.88E-11	0		6.89E+02
ENSBTAG00000002565	0	0		1.00E+00
ENSBTAG00000005098	0	0		1.00E+00
ENSBTAG000000019370	0	0	RAB21	1.00E+00
ENSBTAG00000039090	0	0	MAGEH1	1.00E+00
ENSBTAG000000046659	8.61E-11	0	FOXR2	8.62E+02
ENSBTAG000000021843	0	0	UBQLN2	1.00E+00
ENSBTAG000000045736	0	0		1.00E+00
ENSBTAG00000001809	0	0	DUSP21	1.00E+00
ENSBTAG00000037883	0	0	PPP1R2P9	1.00E+00
ENSBTAG000000045934	0	0	GPR82	1.00E+00
ENSBTAG000000020144	0	0	GPR34	1.00E+00
ENSBTAG00000011783	2.36E-10	0	MPC1L	2.36E+03
ENSBTAG00000011463	4.60E-11	0	MID1IP1	4.61E+02
ENSBTAG000000045660	1.48E-10	0		1.49E+03
ENSBTAG000000046582	0	0		1.00E+00
ENSBTAG00000037416	0	0		1.00E+00
ENSBTAG00000032896	0	0		1.00E+00
ENSBTAG000000045924	0	0	MAGEB10	1.00E+00
ENSBTAG000000048092	1.59E-10	0		1.59E+03
ENSBTAG00000038630	0	0	KLHL34	1.00E+00
ENSBTAG00000013625	0	0		1.00E+00
ENSBTAG000000023820	0	0		1.00E+00
ENSBTAG00000038379	1.62E-10	0		1.62E+03
ENSBTAG000000046539	0	0		1.00E+00
ENSBTAG000000032923	0	0		1.00E+00
ENSBTAG000000046229	0	0		1.00E+00
ENSBTAG00000032852	0	0	GPRASP2	1.00E+00
ENSBTAG000000040132	0	0	MUM1L1	1.00E+00
ENSBTAG000000026139	0	0	ARMCX1	1.00E+00
ENSBTAG000000046707	2.73E-10	0	TCEAL7	2.74E+03
ENSBTAG000000046972	0	0		1.00E+00
ENSBTAG00000032450	0	0	PPP1R14B	1.00E+00
ENSBTAG000000022204	0	0		1.00E+00
ENSBTAG00000017978	2.20E-10	0		2.21E+03
ENSBTAG000000048206	0	0		1.00E+00
ENSBTAG00000015712	0	0	POU3F4	1.00E+00
ENSBTAG000000039066	2.97E-10	0	SNRPE	2.97E+03
ENSBTAG000000021437	0	0	GPR174	1.00E+00
ENSBTAG000000024675	8.01E-11	0		8.02E+02
ENSBTAG000000025062	3.65E-11	0	MAGEE2	3.66E+02
ENSBTAG000000032003	1.55E-10	0	ZCCHC13	1.55E+03
ENSBTAG000000045694	0	0		1.00E+00
ENSBTAG000000047545	0	0	RGAG4	1.00E+00
ENSBTAG000000004110	1.42E-10	0		1.42E+03

ENSBTAG0000007839	2.81E-10	0	OTUD6A	2.81E+03
ENSBTAG00000022278	0	0		1.00E+00
ENSBTAG00000012954	0	0	ERAS	1.00E+00
ENSBTAG00000037550	0	0		1.00E+00
ENSBTAG00000039049	0	0	RAI2	1.00E+00
ENSBTAG00000031256	0	0		1.00E+00
ENSBTAG00000034174	3.34E-10	0		3.34E+03
ENSBTAG00000046518	0	0		1.00E+00
ENSBTAG00000046366	0	0	CLDN34	1.00E+00
ENSBTAG00000040386	7.52E-11	0	AGTR2	7.53E+02
ENSBTAG00000046012	8.50E-11	0	SOWAHD	8.51E+02
ENSBTAG00000047701	7.22E-11	0	ACTRT1	7.23E+02
ENSBTAG00000014770	8.12E-11	0	GPR119	8.13E+02
ENSBTAG00000048126	0	0		1.00E+00
ENSBTAG00000039890	0	0		1.00E+00
ENSBTAG00000019548	5.42E-10	0		5.42E+03
ENSBTAG00000039388	5.41E-11	0	GPR101	5.42E+02
ENSBTAG00000035442	0	0		1.00E+00
ENSBTAG00000018311	0	0		1.00E+00
ENSBTAG00000046045	0	0		1.00E+00
ENSBTAG00000010245	0	0	SPRY3	1.00E+00

The columns show the substitution rates in Hanwoo and Holstein and the Hanwoo/Holstein substitution rate ratio. The pseudocount for calculating the ratios was  $10^{-13}$ .