

Final Report for Project 2

Author: Shreya Das

Introduction

This study is looking into the role of TYK2 gene in the development of beta pancreatic cells to understand its implication in Type I Diabetes. It is known that Type I Diabetes is a autoimmune disease where the immune system attacks and destroys pancreatic beta cells, which is a crucial cell population that produces insulin that is required to regulate blood sugar levels. Molecularly, it found that TYK2 acts in intracellular signal transducer and activator of transcription (STAT) signaling which is also stimulated by cytokines and interferon including IFN-I. IFN-I is important in Type I diabetes as it up-regulated the MHC Class I protein to target against the autoimmunity towards beta cells. It has also been shown that rare loss-of-function of TYK2 in the Japanese population has been correlated with an increase in diabetes susceptibility. This is why the authors are interested in understanding the underlying biological mechanisms and roles that TYK2 plays in the prognosis of Type I Diabetes.

The authors use RNA-Seq in particular in developing iPSC pancreatic beta cells to understand the changes in gene expression as a result of knocking out TYK2. By doing this, the authors can elucidate what genes are impacted by the loss of TYK2, but also what pathways are impacted by the loss of TYK2. Specifically by doing pathway analysis via KEGG and GSEA, the authors can understand what important roles TYK2 play in the development of Type I Diabetes and what potential treatment targets would be effective against Type I Diabetes.

Methods

We used NextFlow to build the pipeline required to obtain the raw counts data required for DESeq2 analysis in R from the pair-end RNASeq reads of S5 stage EP cells in WT and TYK2-KO conditions. Our main goal was to compare the gene expression in WT and TYK2-KO at S5 stage EP cells.

FASTQC

First, we read-in the paired-end read fasta files to evaluate the quality of the individual RNASeq reads using FastQC (v0.12.1). We used default parameters to generate FastQC reports for each the paired-end reads.

Generating Gene Ids file

Then we used a custom python script called GENERATEGENEIDS (pandas v2.2.3) to generate a file with all the gene names and associated gene ids from the annotated gtf file (Gencode Human Release v45 gtf annotation file.). Because this is custom python script the input is the gtf file and the output is the .csv file called "genes.csv". This will be important for our R analysis in DESeq2, DAVID and FGSEA analysis.

STAR

Next, we generated a STAR index file using STAR (v2.7.11b) with the reference genome (GRCh38) and the gtf annotation file. Here we used the default parameters with defining the paths of the reads and the annotated gtf file and the `--runThreadN` parameter with 16 threads.

Using NextFlow channeling we created a channel to contain the paired-end reads that had the sample names, and paths for read 1 and read 2. This channel was feed as the input for the STAR aligner.

We used STAR aligner (v2.7.11b) to align the the RNASeq reads (from the channel) to the STAR index file that was generated. The parameters that we used are the `--runThreadN` parameter with a value of 16 threads, the `zcat` option was for `--readFilesCommand`, the sample id name was used for `--outFileNamePrefix`, the `BAM` and `SortedByCoordinate` option was used for `outSAMtype`, and we redirected the output to a log output file.

MultiQC Analysis

To do MultiQC analysis, we channeled all the outputs of the STAR_ALIGNER process and the FASTQC process into a channel.

Then we generated a MultiQC (v1.25) report using the outputs from the FastQC reports and the STAR Aligner reports to generate a single report on all of the reads from samples after aligning them to the reference genome. We evaluated the reads which we further analyzed in “QC Evaluation” For MultiQC we used the default parameters.

VERSE for quantification of counts for exons

Using VERSE (v0.1.5), we quantified the number of counts/reads for each exon. The parameters used were the -T parameter to define that 8 threads will be used for the process, -S parameter to indicate that we are using pair-end reads, -a with the gtf annotation file, and -o with the sample name and the input bam file from the STAR_ALIGNER process.

Generating a counts data file for R analysis

We created a channel to grab all the .exon.txt files that were generated by VERSE to input into the custom python script in the next step.

Finally we used a custom python script called CONCAT_COUNTS (pandas v2.2.3) to output a .csv file with all the counts from each sample for all the exons in one file (from the channel in the previous step). Since this was a custom python script the parameters was the exon file outputs from VERSE and the output file would be called “counts.csv”.

QC Evaluation

In the MultiQC report, the number of reads range from 84.5 million to 118.9 million for all the samples. Additionally, FastQC raises warnings for the Per Base Sequence Content, Sequence Duplication Levels, and Overrepresented sequences by sample.

Per Base Sequence Content

There is a bias in the beginning of the sequences. This can be attributed to using random hexamers in RNASeq libraries. While this is something that the FastQC report warned about, in our analysis it most likely will not severely impact the downstream analysis.

Sequence Duplication Levels

The plot in the FastQC report indicates a couple of peaks of sequence duplication. While in most cases this would be concerning, these sequence duplication rates may be attributed to the high-depth that the RNA-Seq experiment was performed at (200 million reads per sample), such that there is a higher likelihood that the same read would be generated in the experiment than with a lower-depth.

Overrepresented Sequences

Looking at the overrepresented sequences that were determined by FastQC (and a quick search), some of these sequences are identified as Illumina Sequencer RNASeq adapters. This is sometimes an expected result if the adapters were not properly trimmed from the final reads before building the pipeline.

Alignment Rate of reads

Looking at the STAR summary statistics, the rate of alignment from uniquely aligned reads to the reference genome ranges from 91.9% to 94.0%. For sufficient and good results, rates above 60-70% for alignment is expected, indicating that our alignment process went well.

Summary

Overall, we evaluate the quality of reads to be sufficient. Idealistically, performing trimming on the raw reads would remove the adapter sequences. However, for a task like differential gene expression this usually not required as STAR does a ‘soft-trim’ on the raw reads which would yield sufficient results.

Filtering the counts matrix

Before filtering, the number of genes from the raw counts data was 63241 genes. After filtering, the number of genes went down to 23387 genes.

Load-in necessary libraries

Load the DESeq2 library and tidyverse into the markdown notebook.

```
library(DESeq2)
```

```
## Loading required package: S4Vectors
## Loading required package: stats4
## Loading required package: BiocGenerics
##
## Attaching package: 'BiocGenerics'
## The following objects are masked from 'package:stats':
##
##   IQR, mad, sd, var, xtabs
## The following objects are masked from 'package:base':
##
##   anyDuplicated, aperm, append, as.data.frame, basename, cbind,
##   colnames, dirname, do.call, duplicated, eval, evalq, Filter, Find,
##   get, grep, grepl, intersect, is.unsorted, lapply, Map, mapply,
##   match, mget, order, paste, pmax, pmax.int, pmin, pmin.int,
##   Position, rank, rbind, Reduce, rownames, sapply, saveRDS, setdiff,
##   table, tapply, union, unique, unsplit, which.max, which.min
##
## Attaching package: 'S4Vectors'
## The following object is masked from 'package:utils':
##
##   findMatches
## The following objects are masked from 'package:base':
##
##   expand.grid, I, unname
## Loading required package: IRanges
## Loading required package: GenomicRanges
## Loading required package: GenomeInfoDb
## Loading required package: SummarizedExperiment
## Loading required package: MatrixGenerics
## Loading required package: matrixStats
```

```

##
## Attaching package: 'MatrixGenerics'

## The following objects are masked from 'package:matrixStats':
##
##     colAlls, colAnyNAs, colAnys, colAvgPerRowSet, colCollapse,
##     colCounts, colCummaxs, colCummins, colCumprods, colCumsums,
##     colDiffs, colIQRDiffs, colIQRs, colLogSumExps, colMadDiffs,
##     colMads, colMaxs, colMeans2, colMedians, colMins, colOrderStats,
##     colProds, colQuantiles, colRanges, colRanks, colSdDiffs, colSds,
##     colSums2, colTabulates, colVarDiffs, colVars, colWeightedMads,
##     colWeightedMeans, colWeightedMedians, colWeightedSds,
##     colWeightedVars, rowAlls, rowAnyNAs, rowAnys, rowAvgPerColSet,
##     rowCollapse, rowCounts, rowCummaxs, rowCummins, rowCumprods,
##     rowCumsums, rowDiffs, rowIQRDiffs, rowIQRs, rowLogSumExps,
##     rowMadDiffs, rowMads, rowMaxs, rowMeans2, rowMedians, rowMins,
##     rowOrderStats, rowProds, rowQuantiles, rowRanges, rowRanks,
##     rowSdDiffs, rowSds, rowSums2, rowTabulates, rowVarDiffs, rowVars,
##     rowWeightedMads, rowWeightedMeans, rowWeightedMedians,
##     rowWeightedSds, rowWeightedVars

## Loading required package: Biobase

## Welcome to Bioconductor
##
##     Vignettes contain introductory material; view with
##     'browseVignettes()'. To cite Bioconductor, see
##     'citation("Biobase")', and for packages 'citation("pkgname)".

##
## Attaching package: 'Biobase'

## The following object is masked from 'package:MatrixGenerics':
##
##     rowMedians

## The following objects are masked from 'package:matrixStats':
##
##     anyMissing, rowMedians

library(tidyverse)

## -- Attaching core tidyverse packages ----- tidyverse 2.0.0 --
## v dplyr      1.1.4      v readr      2.1.5
## v forcats    1.0.0      v stringr   1.5.1
## v ggplot2    3.5.1      v tibble    3.2.1
## v lubridate  1.9.4      v tidyr     1.3.1
## v purrr      1.0.4

## -- Conflicts ----- tidyverse_conflicts() --
## x lubridate::%within%() masks IRanges::%within%()
## x dplyr::collapse()     masks IRanges::collapse()
## x dplyr::combine()      masks Biobase::combine(), BiocGenerics::combine()
## x dplyr::count()        masks matrixStats::count()
## x dplyr::desc()         masks IRanges::desc()
## x tidyr::expand()       masks S4Vectors::expand()
## x dplyr::filter()       masks stats::filter()
## x dplyr::first()        masks S4Vectors::first()

```

```
## x dplyr::lag()           masks stats::lag()
## x ggplot2::Position()   masks BiocGenerics::Position(), base::Position()
## x purrr::reduce()       masks GenomicRanges::reduce(), IRanges::reduce()
## x dplyr::rename()       masks S4Vectors::rename()
## x lubridate::second()   masks S4Vectors::second()
## x lubridate::second<-() masks S4Vectors::second<-()
## x dplyr::slice()        masks IRanges::slice()
## i Use the conflicted package (<http://conflicted.r-lib.org/>) to force all conflicts to become errors
```

In order to the differential gene expression analysis, we will need to have a counts matrix (this was generated by the nextflow pipeline), the colData, and the design formula. In this notebook we will be generating the colData and the design formula.

Read-in the raw counts with counts.csv and generating a counts matrix

This is the raw counts that were obtained for the nextflow pipeline.

```
counts <- as.matrix(read.csv("counts.csv", row.names='gene'))
counts
```

##	control_rep2	exp_rep1	control_rep1	exp_rep2	exp_rep3
## ENSG00000290825.1	0	2	0	3	1
## ENSG00000223972.6	0	0	0	0	0
## ENSG00000227232.6	146	164	150	200	212
## ENSG00000278267.1	0	0	0	0	0
## ENSG00000243485.5	1	4	2	4	1
## ENSG00000284332.1	0	0	0	0	0
## ENSG00000237613.2	0	0	0	0	0
## ENSG00000268020.3	0	0	0	0	0
## ENSG00000290826.1	0	0	0	0	0
## ENSG00000240361.3	0	0	0	0	0
## ENSG00000186092.7	0	0	0	0	0
## ENSG00000238009.7	2	2	1	0	3
## ENSG00000239945.1	0	0	0	0	0
## ENSG00000233750.3	5	6	3	9	4
## ENSG00000268903.1	45	54	56	70	57
## ENSG00000269981.1	22	27	39	41	44
## ENSG00000239906.1	2	0	1	2	1
## ENSG00000241860.7	16	36	35	37	22
## ENSG00000222623.1	0	0	0	0	0
## ENSG00000241599.1	0	0	0	0	0
## ENSG00000279928.2	0	0	0	0	0
## ENSG00000279457.4	72	100	99	121	113
## ENSG00000273874.1	0	0	0	0	0
## ENSG00000292994.1	24	22	31	31	27
## ENSG00000228463.11	0	0	0	0	0
## ENSG00000286448.1	0	0	0	0	0
## ENSG00000236679.2	0	0	0	1	1
## ENSG00000236601.2	0	0	0	0	0
## ENSG00000290385.1	30	41	31	64	25
## ENSG00000269732.1	0	0	0	0	0
## ENSG00000284733.2	0	0	0	0	0
## ENSG00000237094.13	0	0	0	0	0
## ENSG00000233653.3	0	0	0	0	0
## ENSG00000250575.1	0	0	0	0	0
## ENSG00000278757.1	0	0	0	0	0

## ENSG00000293331.1	5	21	14	13	9
## ENSG00000235146.2	0	0	0	0	0
## ENSG00000225972.1	1018	1577	1478	1682	2070
## ENSG00000225630.1	755	1034	788	1075	1203
## ENSG00000237973.1	364	467	374	509	555
## ENSG00000278791.1	0	0	0	0	0
## ENSG00000229344.1	31	39	25	53	80
## ENSG00000240409.1	1	1	1	0	2
## ENSG00000248527.1	3331	4201	4425	4623	5787
## ENSG00000198744.5	43	56	63	85	113
## ENSG00000268663.1	0	0	0	0	0
## ENSG00000284662.2	0	0	0	0	0
## ENSG00000230021.11	0	0	0	0	0
## ENSG00000229376.3	2	4	0	1	1
## ENSG00000291215.1	110	129	112	151	88
## ENSG00000223181.1	0	0	0	0	0
## ENSG00000229905.1	0	0	0	0	0
## ENSG00000228327.6	0	0	0	0	0
## ENSG00000237491.10	17	27	20	26	23
## ENSG00000285268.1	0	0	0	0	0
## ENSG00000290784.1	4	5	3	6	4
## ENSG00000230092.8	0	0	0	0	0
## ENSG00000177757.2	1	6	2	4	4
## ENSG00000225880.6	29	31	52	47	50
## ENSG00000228794.12	1751	2359	1996	2288	2109
## ENSG00000288531.1	0	3	1	3	2
## ENSG00000230368.2	1	1	1	4	1
## ENSG00000234711.1	0	0	1	1	0
## ENSG00000283040.1	0	1	0	1	0
## ENSG00000272438.1	22	27	21	30	28
## ENSG00000230699.2	102	102	104	133	134
## ENSG00000241180.1	2	1	0	1	4
## ENSG00000223764.2	88	81	75	109	124
## ENSG00000187634.13	93	59	90	53	148
## ENSG00000188976.11	10656	11524	11020	11209	13440
## ENSG00000187961.15	258	361	343	411	341
## ENSG00000187583.11	103	149	116	143	126
## ENSG00000187642.10	3	2	3	0	0
## ENSG00000272512.1	21	22	16	42	25
## ENSG00000188290.11	438	366	450	426	713
## ENSG00000187608.10	588	493	614	501	581
## ENSG00000231702.2	0	0	1	0	0
## ENSG00000224969.1	4	12	6	9	8
## ENSG00000188157.15	50969	60960	51916	58940	69113
## ENSG00000242590.1	0	0	0	0	0
## ENSG00000291156.1	63	80	82	71	64
## ENSG00000273443.1	7	4	3	2	4
## ENSG00000217801.13	5	10	14	11	10
## ENSG00000237330.3	32	30	41	41	42
## ENSG00000131591.18	831	884	846	911	1227
## ENSG00000285812.1	7	14	17	26	11
## ENSG00000223823.1	0	0	1	0	0
## ENSG00000207730.3	2	0	0	0	0
## ENSG00000207607.3	0	0	0	0	0

## ENSG00000198976.1	0	0	5	1	1
## ENSG00000272141.1	5	5	9	7	8
## ENSG00000205231.1	14	2	17	11	11
## ENSG00000162571.14	14	14	19	12	9
## ENSG00000186891.14	6	1	6	2	3
## ENSG00000186827.12	2	1	3	2	3
## ENSG00000078808.20	8868	10421	9515	11091	12066
## ENSG00000176022.7	2456	2746	2573	2700	3260
## ENSG00000184163.3	29	25	29	27	42
## ENSG00000260179.1	3	9	11	4	13
## ENSG00000160087.21	2878	3397	3090	3538	3920
## ENSG00000230415.1	5	3	8	6	4
## ENSG00000162572.21	39	42	60	48	60
## ENSG00000131584.19	2253	2332	2382	2537	2544
## ENSG00000278073.1	0	0	0	0	0
## ENSG00000169972.13	863	842	826	913	1177
## ENSG00000127054.22	4423	4567	4640	4884	5568
## ENSG00000283712.1	0	0	0	0	0
## ENSG00000240731.1	36	51	47	60	40
## ENSG00000224051.7	1137	1165	1028	1073	1469
## ENSG00000169962.5	26	18	13	21	23
## ENSG00000107404.21	3028	3004	3037	3327	3686
## ENSG00000284372.1	0	0	0	0	0
## ENSG00000162576.17	1945	1127	1921	1188	2037
## ENSG00000175756.14	3720	3793	3772	3790	5235
## ENSG00000223663.2	0	8	1	1	0
## ENSG00000221978.13	2076	2747	2614	3320	2565
## ENSG00000224870.9	1060	1253	1240	1374	1344
## ENSG00000242485.6	3604	4424	3951	4324	4950
## ENSG00000264293.2	0	0	0	0	0
## ENSG00000272455.1	138	167	146	192	145
## ENSG00000235098.9	439	439	509	443	612
## ENSG00000225905.1	5	7	9	8	9
## ENSG00000205116.4	111	146	149	114	135
## ENSG00000225285.1	36	43	50	57	55
## ENSG00000179403.12	3702	4796	3807	4660	5514
## ENSG00000215915.10	47	91	67	124	69
## ENSG00000160072.20	1491	1596	1519	1625	1838
## ENSG00000290916.1	1	0	0	2	2
## ENSG00000284740.3	0	0	0	0	0
## ENSG00000197785.14	2874	3005	3000	2811	3941
## ENSG00000205090.10	92	65	98	81	139
## ENSG00000160075.12	6563	8005	7171	7624	8671
## ENSG00000215014.5	35	53	37	31	51
## ENSG00000274481.1	0	0	0	0	0
## ENSG00000228594.4	521	462	536	445	658
## ENSG00000286989.1	6	9	9	8	8
## ENSG00000272106.1	136	160	134	160	196
## ENSG00000197530.13	1182	1374	1262	1398	1735
## ENSG00000189409.14	3	1	4	0	5
## ENSG00000248333.9	2256	2530	2535	2558	2696
## ENSG00000272004.1	3	3	3	0	4
## ENSG00000189339.12	6218	7367	6882	8047	7135
## ENSG00000293187.1	53	80	72	87	54

## ENSG00000269737.3	20	21	31	45	18
## ENSG00000215914.4	0	1	1	1	0
## ENSG00000008128.23	126	147	150	212	145
## ENSG00000268575.1	97	142	158	135	140
## ENSG00000293188.1	128	202	194	212	159
## ENSG00000290854.1	122	137	132	143	136
## ENSG00000215790.9	0	0	0	0	0
## ENSG00000227775.4	0	0	0	0	0
## ENSG00000008130.15	4031	4419	4480	5021	4851
## ENSG00000078369.19	34513	40798	41086	41117	42896
## ENSG00000231050.3	7	12	8	9	13
## ENSG00000169885.10	2	7	1	11	5
## ENSG00000178821.13	161	167	178	168	248
## ENSG00000142609.20	25	24	28	18	34
## ENSG00000233542.2	0	0	0	0	0
## ENSG00000187730.9	1	0	2	3	2
## ENSG00000226969.1	2	1	1	1	2
## ENSG00000067606.17	2782	3286	2981	3025	3293
## ENSG00000271806.1	6	0	0	3	4
## ENSG00000182873.5	157	182	193	223	218
## ENSG00000162585.17	2314	2242	2255	2231	3151
## ENSG00000234396.3	0	0	0	0	0
## ENSG00000157933.11	4508	5119	5198	5230	5887
## ENSG00000287356.1	59	57	57	89	82
## ENSG00000116151.14	282	419	371	364	312
## ENSG00000272161.1	0	0	0	2	1
## ENSG00000292993.1	132	118	151	156	151
## ENSG00000269896.3	0	0	0	0	0
## ENSG00000272420.1	7	2	4	4	9
## ENSG00000157916.20	4615	5876	5285	5972	5778
## ENSG00000157911.11	1176	1292	1178	1175	1470
## ENSG00000149527.18	16	13	20	15	13
## ENSG00000224387.1	0	0	0	0	0
## ENSG00000229393.1	0	0	0	3	0
## ENSG00000157881.16	1373	1523	1487	1496	1638
## ENSG00000197921.6	0	0	1	2	2
## ENSG00000272449.3	16	20	22	23	32
## ENSG00000238164.6	1	0	0	1	0
## ENSG00000157873.18	23	35	31	33	37
## ENSG00000225931.3	7	7	4	10	3
## ENSG00000228037.1	3	6	1	8	3
## ENSG00000289610.2	0	2	0	3	2
## ENSG00000157870.17	2632	2975	2861	3043	3607
## ENSG00000142606.16	0	0	0	0	0
## ENSG00000237058.1	0	0	0	0	0
## ENSG00000215912.13	0	0	0	0	0
## ENSG00000285945.1	0	0	0	0	0
## ENSG00000283259.1	0	0	0	0	0
## ENSG00000233234.1	0	0	0	0	0
## ENSG00000287396.1	0	0	0	0	0
## ENSG00000231630.1	0	0	0	0	0
## ENSG00000284745.1	0	0	0	0	0
## ENSG00000169717.7	4	1	1	0	0
## ENSG00000177133.14	647	582	652	648	811

## ENSG00000142611.17	3170	3087	3436	3192	3145
## ENSG00000283572.1	0	0	0	1	0
## ENSG00000226286.1	6	4	0	7	4
## ENSG00000279839.1	0	1	3	2	2
## ENSG00000272235.1	13	7	8	13	16
## ENSG00000287828.1	14	15	26	15	27
## ENSG00000286518.1	4	6	6	0	7
## ENSG00000130762.15	1946	2414	2146	2474	2446
## ENSG00000272088.1	5	5	5	6	10
## ENSG00000162591.17	4525	5093	4538	5000	6371
## ENSG00000207776.1	0	0	0	1	0
## ENSG00000238260.3	2	14	8	10	10
## ENSG00000158109.15	5709	6349	6233	6516	6878
## ENSG00000116213.16	1106	1434	1303	1654	1619
## ENSG00000078900.16	78	93	102	114	102
## ENSG00000227589.1	5	0	3	1	1
## ENSG00000235131.1	0	0	0	0	0
## ENSG00000293478.1	1270	1504	1641	1671	1635
## ENSG00000276189.1	0	0	0	0	0
## ENSG00000227372.13	0	0	0	0	0
## ENSG00000162592.10	8	10	10	9	10
## ENSG00000235169.11	104	120	105	91	159
## ENSG00000130764.10	4288	4889	4914	5303	5664
## ENSG00000266075.2	1	5	1	5	4
## ENSG00000272153.1	21	23	18	28	24
## ENSG00000116198.14	2534	3001	2770	3041	2719
## ENSG00000169598.17	834	999	886	1048	976
## ENSG00000198912.12	1322	1717	1626	1941	1846
## ENSG00000236423.8	19	40	27	43	33
## ENSG00000233304.7	0	0	0	0	0
## ENSG00000226374.3	0	0	0	0	0
## ENSG00000284668.2	0	0	1	0	0
## ENSG00000284703.1	0	0	0	0	0
## ENSG00000229280.1	0	0	0	0	0
## ENSG00000235054.4	0	0	0	0	0
## ENSG00000284694.1	0	0	0	0	0
## ENSG00000227169.2	0	0	0	0	0
## ENSG00000232596.3	0	0	0	0	0
## ENSG00000196581.11	32	26	42	43	44
## ENSG00000287586.1	1	0	0	1	1
## ENSG00000284739.1	0	0	1	0	0
## ENSG00000284674.1	0	0	0	0	0
## ENSG00000231510.1	0	0	0	0	0
## ENSG00000284616.1	0	0	0	2	0
## ENSG00000284692.2	0	0	0	0	0
## ENSG00000284666.1	0	0	0	0	0
## ENSG00000260972.1	0	0	0	0	0
## ENSG00000283356.1	0	0	0	0	0
## ENSG00000236948.2	0	0	0	2	1
## ENSG00000264341.1	0	0	0	0	0
## ENSG00000289893.1	0	0	2	1	0
## ENSG00000264101.1	0	0	0	0	0
## ENSG00000131697.18	633	717	835	809	778
## ENSG00000069424.16	259	177	256	210	305

## ENSG00000116254.18	13	12	14	13	10
## ENSG00000285629.1	0	0	0	0	2
## ENSG00000116251.11	15829	20625	17200	18164	17329
## ENSG00000226944.1	20	13	21	20	38
## ENSG00000158286.13	182	271	272	346	221
## ENSG00000116237.16	12406	15473	14025	14838	14516
## ENSG00000225077.3	41	24	38	32	39
## ENSG00000173673.9	0	0	0	0	0
## ENSG00000158292.7	633	633	788	659	968
## ENSG00000097021.21	6024	6859	6611	6483	9527
## ENSG00000271746.1	2	0	4	7	2
## ENSG00000069812.11	353	550	445	626	515
## ENSG00000187017.18	679	1139	796	1044	1000
## ENSG00000265392.1	0	0	0	0	0
## ENSG00000231868.1	0	0	1	1	0
## ENSG00000215788.11	160	216	235	268	217
## ENSG00000171680.23	1585	1697	1751	1809	1919
## ENSG00000162408.11	1662	1670	1954	1899	1515
## ENSG00000253022.1	1	0	0	0	0
## ENSG00000229519.2	1	2	1	0	0
## ENSG00000173662.21	1	2	2	2	2
## ENSG00000204859.13	684	776	795	756	926
## ENSG00000162413.17	2816	3165	3118	3067	3743
## ENSG00000116273.6	2740	3086	3248	3288	3494
## ENSG00000041988.16	805	1002	905	1178	1151
## ENSG00000007923.17	4216	5025	4757	4951	4752
## ENSG00000228750.7	0	0	0	0	0
## ENSG00000284744.1	0	0	0	0	0
## ENSG00000237436.1	18	7	8	11	11
## ENSG00000171735.21	2884	3827	3460	3902	3923
## ENSG00000227950.1	0	0	0	0	0
## ENSG00000237365.1	0	0	0	0	0
## ENSG00000207056.1	0	0	0	0	0
## ENSG00000237402.1	0	1	2	0	0
## ENSG00000237728.2	0	0	0	0	0
## ENSG00000225126.1	0	0	0	0	0
## ENSG00000270171.1	6	2	4	2	1
## ENSG00000270035.1	5	7	9	6	4
## ENSG00000269978.1	10	11	7	9	8
## ENSG00000049245.13	9521	12421	10385	11135	11045
## ENSG00000269925.1	22	32	26	36	27
## ENSG00000049246.15	163	149	215	190	164
## ENSG00000236266.1	0	4	3	2	0
## ENSG00000049247.14	1	2	1	0	1
## ENSG00000049249.10	2245	3055	2675	2732	2274
## ENSG00000270330.1	0	0	0	0	0
## ENSG00000116288.13	14268	16934	15811	17006	18374
## ENSG00000200344.1	1	7	4	3	2
## ENSG00000284747.1	7	12	16	22	11
## ENSG00000284716.1	0	0	3	3	0
## ENSG00000116285.13	9986	17203	12761	17506	11779
## ENSG00000238290.1	0	5	7	1	4
## ENSG00000232848.1	0	0	0	2	3
## ENSG00000229305.1	0	0	0	0	0

## ENSG00000288816.1	0	0	0	0	0
## ENSG00000227634.3	2	0	0	0	1
## ENSG00000200975.1	0	0	0	0	0
## ENSG00000233645.1	0	0	0	0	0
## ENSG00000251977.1	0	0	0	0	0
## ENSG00000162426.16	67	40	80	48	95
## ENSG00000252254.1	0	0	0	0	0
## ENSG00000142599.20	6612	7538	7748	7598	8026
## ENSG00000232912.6	0	5	1	1	0
## ENSG00000221083.1	0	0	0	0	0
## ENSG00000270282.1	1	1	1	0	0
## ENSG00000234619.1	0	3	2	0	2
## ENSG00000224315.2	0	0	1	0	2
## ENSG00000222511.2	0	0	0	0	0
## ENSG00000226545.1	0	1	0	0	0
## ENSG00000228423.2	0	2	0	0	0
## ENSG00000229716.2	0	0	0	0	0
## ENSG00000074800.16	172263	180244	183187	176889	229020
## ENSG00000274258.1	0	0	1	0	0
## ENSG00000230679.1	3	3	5	3	7
## ENSG00000201725.1	0	0	0	0	0
## ENSG00000238249.2	4	5	3	5	13
## ENSG00000232208.2	0	1	0	1	1
## ENSG00000232663.2	0	0	0	0	0
## ENSG00000131686.15	0	0	0	0	0
## ENSG00000290109.1	0	0	0	0	0
## ENSG00000265141.2	0	0	0	0	0
## ENSG00000197241.4	3	3	5	6	5
## ENSG00000142583.18	11	7	18	13	11
## ENSG00000252404.1	0	0	0	0	0
## ENSG00000180758.12	403	487	463	445	418
## ENSG00000228526.8	146	325	235	356	233
## ENSG00000284357.1	0	0	0	0	0
## ENSG00000289914.1	0	0	0	0	0
## ENSG00000234546.5	99	186	118	146	161
## ENSG00000049239.13	4692	6158	5713	6435	5297
## ENSG00000171621.14	822	912	1026	954	1029
## ENSG00000284652.1	1	3	4	4	5
## ENSG00000284693.2	13	11	8	11	19
## ENSG00000252956.1	0	0	0	0	0
## ENSG00000235263.1	0	0	0	0	0
## ENSG00000171612.7	1991	2601	2312	2521	2459
## ENSG00000231181.1	18	34	32	45	28
## ENSG00000188807.13	2005	2120	2139	1950	2904
## ENSG00000171608.18	1028	1111	1196	1068	1330
## ENSG00000179840.5	0	0	0	0	0
## ENSG00000233268.3	0	0	0	0	0
## ENSG00000231789.4	133	101	139	79	181
## ENSG00000171603.18	16671	20562	18636	20432	20924
## ENSG00000271264.1	3	1	0	1	0
## ENSG00000280113.2	0	0	0	0	2
## ENSG00000178585.15	8178	13801	8808	13117	11499
## ENSG00000223989.1	0	0	0	0	0
## ENSG00000285701.1	2	5	2	3	0

## ENSG00000162441.12	4596	6811	5334	6186	5225
## ENSG00000228150.1	6	12	23	23	24
## ENSG00000173614.14	1164	1501	1303	1493	1348
## ENSG00000202415.1	2	2	2	1	2
## ENSG00000283611.2	0	2	1	1	0
## ENSG00000265521.1	0	0	0	1	1
## ENSG00000241326.1	0	0	0	0	0
## ENSG00000162444.12	30	27	37	37	32
## ENSG00000130939.20	9261	11240	10711	11057	9818
## ENSG00000224340.1	0	0	0	0	0
## ENSG00000233623.2	1	0	0	0	0
## ENSG00000201746.1	0	0	0	0	0
## ENSG00000054523.20	10394	12391	12346	12090	10178
## ENSG00000264881.1	0	1	0	0	0
## ENSG00000199562.1	1	2	0	0	3
## ENSG00000264501.2	0	0	0	0	0
## ENSG00000284735.1	19	18	24	12	23
## ENSG00000284642.1	23	21	32	36	29
## ENSG00000142657.21	29442	33151	32912	30846	36785
## ENSG00000271989.1	0	1	0	0	1
## ENSG00000251503.8	22	22	11	22	22
## ENSG00000175279.22	144	206	144	115	146
## ENSG00000241563.4	3	3	3	8	11
## ENSG00000160049.12	7665	8747	9173	9115	8220
## ENSG00000203469.2	0	0	0	0	0
## ENSG00000142655.13	1667	1988	1975	2013	2389
## ENSG00000287727.1	4	4	9	4	3
## ENSG00000243267.3	0	0	0	0	0
## ENSG00000130940.15	1335	1614	1538	1597	1332
## ENSG00000272078.1	33	48	26	26	45
## ENSG00000225158.2	0	0	0	0	0
## ENSG00000175262.15	82	42	91	42	72
## ENSG00000215785.2	0	3	0	0	2
## ENSG00000120948.19	18685	22621	21760	22176	21178
## ENSG00000009724.18	74	92	78	106	75
## ENSG00000116649.10	7352	7834	7910	7269	11118
## ENSG00000171824.14	5323	6175	6120	6632	6258
## ENSG00000226849.1	1	6	1	0	1
## ENSG00000230337.3	9	7	10	11	8
## ENSG00000198793.14	7652	8871	8959	9546	8068
## ENSG00000225602.5	2	1	0	0	0
## ENSG00000253086.1	0	0	0	0	0
## ENSG00000171819.5	4	5	10	13	7
## ENSG00000207451.1	0	0	0	0	0
## ENSG00000238173.1	1	2	2	11	9
## ENSG00000120942.14	1956	2398	2220	2359	2357
## ENSG00000238199.1	2	3	5	1	1
## ENSG00000284646.1	0	0	0	0	1
## ENSG00000224338.2	0	0	0	0	0
## ENSG00000204624.8	181	129	219	108	204
## ENSG00000285833.1	0	0	0	0	0
## ENSG00000235643.2	1	0	0	2	5
## ENSG00000284708.1	3	2	2	5	4
## ENSG00000116661.11	1257	1599	1392	1698	2010

## ENSG00000132879.14	1234	1407	1227	1478	1734
## ENSG00000116670.16	4103	4133	4145	4467	5623
## ENSG00000116663.11	138	177	128	159	177
## ENSG00000162490.7	756	871	851	853	971
## ENSG00000177674.16	2521	2626	2575	2691	3349
## ENSG00000215910.8	2	1	2	0	4
## ENSG00000177553.6	0	0	0	0	0
## ENSG00000177000.13	1242	1370	1353	1450	1200
## ENSG00000011021.23	917	1127	1184	1370	1062
## ENSG00000276470.1	0	0	0	0	0
## ENSG00000278852.1	0	0	0	0	0
## ENSG00000175206.11	4	7	12	8	8
## ENSG00000275915.1	0	0	0	0	0
## ENSG00000120937.9	2463	4238	3214	4696	4411
## ENSG00000224904.1	2	1	2	1	1
## ENSG00000285646.2	31	63	53	42	65
## ENSG00000199347.1	0	0	0	0	0
## ENSG00000201801.1	0	0	0	0	0
## ENSG00000116685.17	4686	5234	5087	5680	6162
## ENSG00000083444.17	12796	16205	14298	15872	16421
## ENSG00000287384.1	2	0	0	0	0
## ENSG00000116688.18	8782	10854	10117	10857	10633
## ENSG00000270914.1	0	0	0	0	0
## ENSG00000116691.11	1645	1675	1714	1663	2077
## ENSG00000202461.1	3	2	4	1	1
## ENSG00000276869.1	0	0	0	0	0
## ENSG00000243539.3	0	0	0	0	0
## ENSG00000120949.15	21	15	20	22	19
## ENSG00000201135.1	0	0	0	0	0
## ENSG00000227875.2	0	0	0	0	0
## ENSG00000285604.1	0	0	0	0	0
## ENSG00000283789.1	0	0	0	0	0
## ENSG00000028137.19	17	33	22	29	33
## ENSG00000263676.1	0	0	0	0	0
## ENSG00000225196.2	0	0	0	0	0
## ENSG00000252969.1	0	0	0	0	0
## ENSG00000048707.15	3140	4197	3759	4212	3034
## ENSG00000239149.1	0	1	3	3	1
## ENSG00000229484.3	0	0	0	0	0
## ENSG00000162496.9	2519	3234	2716	3029	3273
## ENSG00000221340.1	1	1	1	1	1
## ENSG00000276830.1	0	0	0	1	0
## ENSG00000288927.2	43	52	53	33	45
## ENSG00000272482.2	9	7	10	4	5
## ENSG00000204518.3	3	0	1	0	0
## ENSG00000226166.2	0	0	0	0	0
## ENSG00000188984.12	0	6	0	4	0
## ENSG00000157330.10	33	32	43	27	31
## ENSG00000116726.5	8	5	5	11	6
## ENSG00000116721.9	1	2	2	1	1
## ENSG00000228338.1	0	0	0	0	0
## ENSG00000239810.3	0	0	0	0	0
## ENSG00000231103.2	0	0	0	0	0
## ENSG00000179172.10	10	10	8	13	21

## ENSG00000120952.4	0	3	0	0	1
## ENSG00000243073.4	0	0	0	0	0
## ENSG00000187545.5	0	0	0	0	0
## ENSG00000204510.6	0	0	0	0	0
## ENSG00000207434.1	0	0	0	0	0
## ENSG00000234064.1	0	0	0	0	0
## ENSG00000232423.6	0	0	0	0	0
## ENSG00000274178.2	1	1	0	0	0
## ENSG00000274764.6	0	0	0	0	0
## ENSG00000277058.3	0	1	3	1	1
## ENSG00000229571.7	0	0	0	0	0
## ENSG00000277862.1	0	0	0	0	0
## ENSG00000236179.1	0	0	0	0	0
## ENSG00000275774.3	1	0	1	0	0
## ENSG00000229978.2	0	0	0	0	0
## ENSG00000290772.1	0	0	0	0	0
## ENSG00000233336.1	0	0	0	0	0
## ENSG00000280267.7	0	0	0	0	0
## ENSG00000179412.11	8	6	4	7	8
## ENSG00000204505.5	0	0	0	0	0
## ENSG00000279169.3	0	0	1	0	0
## ENSG00000279804.3	0	0	0	0	0
## ENSG00000250894.1	0	0	0	0	0
## ENSG00000270601.5	0	0	1	0	0
## ENSG00000231219.1	0	0	0	0	0
## ENSG00000207511.1	0	0	0	0	0
## ENSG00000182330.11	0	0	2	0	0
## ENSG00000237700.2	0	0	0	0	0
## ENSG00000204501.7	0	0	0	0	0
## ENSG00000228229.2	0	0	0	0	0
## ENSG00000204481.8	0	1	3	3	0
## ENSG00000204480.9	0	0	0	0	0
## ENSG00000204479.4	0	0	0	0	0
## ENSG00000204478.11	0	3	0	0	0
## ENSG00000162494.6	88	74	126	69	96
## ENSG00000259961.1	0	0	0	1	0
## ENSG00000215909.3	0	0	1	0	0
## ENSG00000162493.17	1192	615	1390	757	1424
## ENSG00000222952.1	0	0	0	0	0
## ENSG00000237445.2	0	0	0	0	0
## ENSG00000253085.1	0	0	0	0	0
## ENSG00000116731.23	3601	4685	4244	4852	3971
## ENSG00000289380.1	0	1	1	1	0
## ENSG00000189337.17	738	840	922	937	1009
## ENSG00000252151.1	0	0	0	0	0
## ENSG00000231606.2	0	0	0	1	0
## ENSG00000234593.3	0	0	0	0	0
## ENSG00000235829.1	0	0	0	0	0
## ENSG00000287756.1	0	0	0	0	0
## ENSG00000175147.13	48	63	68	91	48
## ENSG00000171729.14	1056	1486	1301	1609	1363
## ENSG00000204464.7	2	0	0	0	0
## ENSG00000215720.4	0	1	0	0	0
## ENSG00000278480.1	2	1	4	4	2

## ENSG00000142621.21	234	239	255	260	274
## ENSG00000233485.1	0	0	0	1	0
## ENSG00000236045.1	3	4	6	7	7
## ENSG00000228140.2	4	4	11	13	9
## ENSG00000142634.13	1524	1571	1600	1598	2004
## ENSG00000162438.12	0	0	0	0	0
## ENSG00000142615.8	0	3	2	1	1
## ENSG00000215704.10	4	11	3	7	15
## ENSG00000132906.18	983	1123	1110	1216	1222
## ENSG00000116138.13	2186	3133	2873	3260	2637
## ENSG00000251866.1	0	0	1	0	0
## ENSG00000272510.1	0	1	3	0	1
## ENSG00000116771.6	710	830	756	751	813
## ENSG00000237301.1	2	5	6	8	5
## ENSG00000235084.3	11	10	11	11	20
## ENSG00000252417.1	0	0	0	0	0
## ENSG00000236500.1	0	0	0	0	0
## ENSG00000197312.13	4638	6243	5857	6689	4694
## ENSG00000215695.2	0	1	0	0	1
## ENSG00000271742.1	0	0	0	0	1
## ENSG00000116786.13	4721	4835	5118	5097	5797
## ENSG00000237938.5	2	11	6	3	1
## ENSG00000162461.8	5	10	18	20	18
## ENSG00000224459.2	0	0	0	0	0
## ENSG00000162460.7	51	63	60	74	83
## ENSG00000162458.13	8750	11407	9885	11879	11611
## ENSG00000224321.1	22	24	16	33	41
## ENSG00000233954.7	798	980	914	1168	1226
## ENSG00000178715.8	49	49	49	75	83
## ENSG00000179743.4	199	195	217	191	198
## ENSG00000065526.13	7941	9815	9181	9807	7958
## ENSG00000270620.1	0	0	1	0	0
## ENSG00000116809.12	1789	1977	1915	2042	2325
## ENSG00000234607.2	0	0	0	0	0
## ENSG00000231353.1	0	0	0	0	0
## ENSG00000275503.1	0	0	0	0	0
## ENSG00000224966.4	0	0	0	0	0
## ENSG00000183888.4	0	2	1	2	1
## ENSG00000233078.1	0	0	0	0	0
## ENSG00000173641.18	15	67	54	99	61
## ENSG00000186510.12	19	15	7	10	20
## ENSG00000232456.1	7	4	9	5	10
## ENSG00000184908.20	52	41	49	52	60
## ENSG00000185519.9	66	55	98	62	129
## ENSG00000142627.13	9582	15750	10758	16673	15796
## ENSG00000227959.2	18	16	19	27	23
## ENSG00000224621.1	12	24	7	12	5
## ENSG00000234166.1	0	0	0	0	0
## ENSG00000142632.17	1882	1579	1983	1730	2110
## ENSG00000291077.1	9	7	10	6	8
## ENSG00000237276.10	4	2	2	5	4
## ENSG00000288398.1	403	438	431	438	507
## ENSG00000132881.12	297	316	366	323	367
## ENSG00000233929.1	0	4	4	1	0

## ENSG00000037637.11	2446	3044	3014	3363	2890
## ENSG00000055070.17	10150	13027	11637	13029	13673
## ENSG00000226457.1	2	4	5	7	3
## ENSG00000187144.11	0	0	0	0	0
## ENSG00000157191.20	3989	5347	4385	5326	5260
## ENSG00000226029.1	14	36	36	29	38
## ENSG00000290842.1	41	70	59	46	47
## ENSG00000080947.16	2	3	7	5	2
## ENSG00000206652.1	0	0	0	0	0
## ENSG00000261135.1	1	0	3	0	2
## ENSG00000285853.1	1	0	0	2	0
## ENSG00000224174.2	0	0	0	0	0
## ENSG00000233421.5	40	44	46	52	41
## ENSG00000277344.1	0	0	0	0	0
## ENSG00000225710.1	0	0	0	0	0
## ENSG00000219481.11	1113	1362	1335	1465	1209
## ENSG00000271732.1	2	1	1	3	2
## ENSG00000291072.1	312	357	372	443	330
## ENSG00000215908.12	61	75	92	108	66
## ENSG00000283773.1	0	0	0	0	0
## ENSG00000186301.8	37	27	36	41	30
## ENSG00000282143.1	0	0	0	0	1
## ENSG00000207513.1	0	0	0	0	0
## ENSG00000280114.1	1	0	0	1	0
## ENSG00000236698.1	57	66	74	53	78
## ENSG00000290849.1	0	0	1	2	1
## ENSG00000268869.8	2	4	1	3	3
## ENSG00000279151.1	0	0	0	0	0
## ENSG00000293526.1	0	0	0	0	0
## ENSG00000282740.1	0	0	1	0	0
## ENSG00000058453.17	715	579	727	662	823
## ENSG00000290850.1	0	0	0	0	0
## ENSG00000207389.1	0	0	0	0	0
## ENSG00000227684.3	0	0	0	0	0
## ENSG00000290851.1	18	36	26	36	17
## ENSG00000186715.12	0	0	0	0	0
## ENSG00000223643.6	0	0	0	0	0
## ENSG00000230239.1	0	0	0	0	0
## ENSG00000263811.1	0	0	0	0	0
## ENSG00000228549.5	124	146	189	152	192
## ENSG00000277234.1	0	0	0	0	0
## ENSG00000238142.4	37	27	49	38	49
## ENSG00000235241.1	0	0	0	0	0
## ENSG00000207005.1	0	0	0	0	0
## ENSG00000272426.1	1	3	1	4	1
## ENSG00000290122.1	0	1	1	1	1
## ENSG00000117122.14	4818	4615	5060	4753	6399
## ENSG00000286898.1	1	0	0	0	0
## ENSG00000226526.1	1	0	1	0	1
## ENSG00000159363.19	5442	5745	5763	5540	7342
## ENSG00000288636.1	0	0	0	0	0
## ENSG00000117118.11	2853	3548	3415	3809	3639
## ENSG00000117115.13	15	19	21	28	26
## ENSG00000204362.6	0	0	1	0	0

## ENSG00000282843.1	0	0	0	0	0
## ENSG00000142623.11	3	4	4	2	2
## ENSG00000142619.4	10	2	11	4	5
## ENSG00000266634.1	0	0	0	0	0
## ENSG00000159339.13	1	0	0	0	1
## ENSG00000276747.1	0	0	0	0	0
## ENSG00000227751.1	0	0	0	0	0
## ENSG00000179051.14	18761	24209	22853	26186	22694
## ENSG00000290096.1	4	6	4	7	5
## ENSG00000074964.17	1561	2131	1824	2407	2038
## ENSG00000236648.2	0	0	0	0	0
## ENSG00000117148.8	43	39	26	42	42
## ENSG00000284653.1	0	0	0	0	0
## ENSG00000261781.1	0	0	0	0	0
## ENSG00000117154.12	61	38	71	44	61
## ENSG00000280222.1	0	0	0	0	0
## ENSG00000230035.2	0	0	0	0	0
## ENSG00000225387.1	0	0	0	0	0
## ENSG00000179023.9	98	152	103	180	141
## ENSG00000235282.3	1	2	1	1	0
## ENSG00000225478.2	0	0	0	0	0
## ENSG00000009709.12	0	0	0	0	0
## ENSG00000179002.6	0	0	0	1	0
## ENSG00000159423.17	3000	2876	3041	2577	3885
## ENSG00000265606.1	0	0	0	0	0
## ENSG00000221662.1	0	1	0	0	0
## ENSG00000169991.11	2932	3364	3583	3100	2884
## ENSG00000272084.1	19	22	14	13	27
## ENSG00000127481.15	11030	14666	12878	15122	11397
## ENSG00000230424.3	27	30	32	30	38
## ENSG00000127463.16	10242	13615	11738	13551	12369
## ENSG00000053372.5	5175	5817	5587	5761	6321
## ENSG00000286064.1	41	65	64	64	62
## ENSG00000211454.16	20	14	22	15	18
## ENSG00000162482.5	20	17	27	20	34
## ENSG00000270728.1	113	117	140	154	123
## ENSG00000053371.13	3217	3181	3288	3212	4233
## ENSG00000200403.1	0	5	4	3	1
## ENSG00000040487.13	1656	1906	1794	2027	2450
## ENSG00000077549.19	19232	23696	22107	22917	25053
## ENSG00000240490.3	0	0	0	0	0
## ENSG00000173436.15	1327	1538	1509	1538	1603
## ENSG00000201609.1	0	0	0	0	0
## ENSG00000235185.1	0	0	0	0	0
## ENSG00000158747.15	1253	1237	1482	1215	1805
## ENSG00000270136.6	0	0	0	0	0
## ENSG00000226396.1	44	55	65	57	100
## ENSG00000158748.4	28	23	28	19	20
## ENSG00000162542.14	655	812	700	904	778
## ENSG00000178828.7	2	7	8	10	14
## ENSG00000235434.1	0	0	0	0	0
## ENSG00000169914.6	1329	1862	1887	2226	1277
## ENSG00000188784.4	0	0	0	0	0
## ENSG00000242688.3	0	0	0	0	0

## ENSG00000188257.12	7	20	15	21	17
## ENSG00000127472.11	0	0	0	0	0
## ENSG00000117215.15	0	0	0	0	0
## ENSG00000158786.5	0	0	0	0	0
## ENSG00000227066.2	0	0	1	0	2
## ENSG00000187980.7	10	4	7	9	4
## ENSG00000162543.6	705	687	797	710	738
## ENSG00000228105.2	0	0	0	0	0
## ENSG00000284710.1	0	0	0	0	0
## ENSG00000158816.16	19	19	23	19	22
## ENSG00000226664.1	0	0	1	0	0
## ENSG00000236963.9	0	0	0	0	0
## ENSG00000226487.1	0	0	0	0	0
## ENSG00000284641.1	2	0	0	0	0
## ENSG00000284743.1	3	0	0	1	1
## ENSG00000162545.6	3187	3341	4063	3352	3842
## ENSG00000289402.2	17	15	21	12	26
## ENSG00000090432.7	2535	2970	2732	2898	3249
## ENSG00000215520.3	0	0	0	0	0
## ENSG00000183114.8	21	6	28	7	43
## ENSG00000158825.6	8	6	5	8	4
## ENSG00000158828.8	690	758	740	886	861
## ENSG00000284005.1	0	0	0	0	0
## ENSG00000117242.7	652	827	666	822	801
## ENSG00000244038.11	29770	40636	33900	43068	40498
## ENSG00000117245.13	116	57	95	43	88
## ENSG00000235432.1	0	0	0	0	0
## ENSG00000189410.12	78	59	71	67	85
## ENSG00000233069.1	0	0	0	0	0
## ENSG00000127483.19	8243	10461	9968	11091	9267
## ENSG00000075151.24	9755	12773	12144	13837	10615
## ENSG00000251914.1	0	1	0	0	0
## ENSG00000221808.1	0	0	0	0	0
## ENSG00000233072.1	0	0	0	0	0
## ENSG00000236073.2	2	0	0	2	1
## ENSG00000235112.1	0	0	0	0	0
## ENSG00000287192.1	0	0	1	1	1
## ENSG00000117298.16	9444	10511	10285	10502	11381
## ENSG00000236936.1	0	2	0	0	1
## ENSG00000231105.2	5	4	1	10	6
## ENSG00000236216.5	0	0	0	0	0
## ENSG00000228823.1	0	0	0	0	0
## ENSG00000236009.1	0	0	0	0	0
## ENSG00000227001.3	52	45	45	64	50
## ENSG00000187952.9	36	22	22	25	32
## ENSG00000186543.7	0	0	0	1	0
## ENSG00000142794.19	494	607	573	660	566
## ENSG00000176378.8	0	0	0	0	0
## ENSG00000162551.14	876	444	1114	443	1061
## ENSG00000289715.1	0	0	0	0	0
## ENSG00000233431.1	0	0	0	0	0
## ENSG00000076864.21	1082	988	1337	1220	1409
## ENSG00000090686.16	4344	5382	5180	5441	4558
## ENSG00000231978.2	0	0	0	0	0

## ENSG00000187942.12	17	20	23	23	17
## ENSG00000142798.20	99577	138697	103028	124719	130399
## ENSG00000232037.3	1	2	1	1	2
## ENSG00000293453.1	0	0	0	0	0
## ENSG00000283234.2	0	0	0	0	0
## ENSG00000219073.8	24	19	29	18	22
## ENSG00000285959.1	2	0	0	2	3
## ENSG00000273610.1	0	0	0	0	0
## ENSG00000201919.1	0	0	0	0	0
## ENSG00000142789.20	38	30	37	22	29
## ENSG00000278124.1	0	0	0	0	0
## ENSG00000201273.1	0	0	0	0	0
## ENSG00000228397.3	2	2	3	3	7
## ENSG00000218510.9	68	86	70	87	85
## ENSG00000289694.1	0	0	0	0	0
## ENSG00000285752.1	9	7	21	18	18
## ENSG00000285794.1	0	0	0	0	0
## ENSG00000070831.18	219	313	257	310	256
## ENSG00000230068.2	0	0	1	0	0
## ENSG00000271428.1	0	1	1	2	1
## ENSG00000162552.15	250	225	291	234	339
## ENSG00000285873.1	11	7	11	6	7
## ENSG00000266564.1	0	0	0	0	0
## ENSG00000234397.3	1	1	0	0	1
## ENSG00000279625.1	0	0	0	0	0
## ENSG00000184677.18	2996	3831	3555	3980	2999
## ENSG00000237200.1	5	2	3	4	3
## ENSG00000070886.12	75	49	59	55	85
## ENSG00000276835.2	0	0	0	0	0
## ENSG00000173372.18	0	0	0	0	2
## ENSG00000289692.1	0	0	0	0	0
## ENSG00000159189.13	0	0	0	0	0
## ENSG00000173369.18	0	0	0	0	0
## ENSG00000133216.17	10256	10198	11316	10365	12186
## ENSG00000265422.1	0	0	0	0	0
## ENSG00000225952.1	0	0	0	1	0
## ENSG00000264014.1	0	0	0	0	0
## ENSG00000215906.9	0	0	0	0	0
## ENSG00000227868.7	0	1	0	1	3
## ENSG00000004487.18	30651	34867	34588	35409	35540
## ENSG00000240553.1	0	0	1	3	3
## ENSG00000263793.1	0	0	0	0	0
## ENSG00000266802.1	0	0	0	1	0
## ENSG00000169641.15	8555	10555	10088	9999	8834
## ENSG00000229010.1	0	0	0	0	0
## ENSG00000206935.1	0	0	2	0	0
## ENSG00000252578.1	0	0	0	0	0
## ENSG00000289014.1	5	1	1	1	3
## ENSG00000179546.5	176	190	153	161	198
## ENSG00000215381.3	0	1	1	5	3
## ENSG00000261326.5	70	101	87	111	83
## ENSG00000284726.1	8	8	12	9	16
## ENSG00000125944.22	18974	23542	23458	23821	21387
## ENSG00000125945.16	1456	1887	1723	1775	1657

## ENSG00000249087.9	102	126	135	191	143
## ENSG00000201405.1	0	0	0	0	0
## ENSG00000271420.1	2	0	0	5	4
## ENSG00000204219.11	569	654	735	632	806
## ENSG00000232482.2	0	0	0	0	0
## ENSG00000088280.21	6192	6128	6597	5825	6966
## ENSG00000007968.7	865	678	1097	738	1076
## ENSG00000235052.1	7	7	11	8	6
## ENSG00000117318.9	5948	5217	6446	5939	8890
## ENSG00000285802.1	0	0	0	1	0
## ENSG00000197880.10	0	1	0	3	0
## ENSG00000229239.2	0	0	0	0	0
## ENSG00000142676.14	63886	73964	78942	76689	81997
## ENSG00000236810.8	48	46	62	62	39
## ENSG00000011007.13	4478	5548	5007	5362	5258
## ENSG00000057757.10	2661	3286	3161	3460	3302
## ENSG00000289835.1	2	1	1	7	0
## ENSG00000011009.11	11453	13383	11975	13390	16416
## ENSG00000117308.15	2614	3318	2844	3529	3687
## ENSG00000117305.15	1863	2472	2252	2692	2437
## ENSG00000179163.12	2082	2863	2431	2812	2363
## ENSG00000188822.8	1	0	2	3	0
## ENSG00000229106.1	2	2	5	1	2
## ENSG00000232557.3	0	0	0	0	0
## ENSG00000264926.1	0	0	0	0	0
## ENSG00000230228.2	4	2	1	3	4
## ENSG00000189266.13	12533	16769	14664	16190	13935
## ENSG00000188529.15	9547	12345	11606	11078	10610
## ENSG00000215905.4	0	0	0	1	0
## ENSG00000225315.2	2	8	6	6	1
## ENSG00000142661.19	19	14	7	16	15
## ENSG00000230703.1	0	0	0	0	0
## ENSG00000142677.4	45	35	45	41	30
## ENSG00000185436.12	1527	1922	1756	2062	1720
## ENSG00000158055.17	361	339	472	379	388
## ENSG00000230023.2	0	1	1	0	0
## ENSG00000232298.2	2	2	0	1	0
## ENSG00000001460.18	940	1031	1005	1131	1057
## ENSG00000001461.17	1679	2186	2024	2547	1870
## ENSG00000288982.1	0	1	1	1	4
## ENSG00000286061.1	9	18	20	14	19
## ENSG00000117602.13	5972	5900	6167	5741	5264
## ENSG00000264443.1	8	1	4	6	2
## ENSG00000184454.7	145	148	160	188	151
## ENSG00000227312.2	0	0	0	0	0
## ENSG00000239106.1	0	0	0	0	0
## ENSG00000133226.19	9652	10763	12075	11362	10328
## ENSG00000284699.1	0	0	0	0	0
## ENSG00000169504.15	20828	29122	25183	25255	23773
## ENSG00000238482.1	0	0	0	0	0
## ENSG00000020633.19	7	4	12	1	1
## ENSG00000278034.1	0	0	0	0	0
## ENSG00000229162.1	0	0	0	0	0
## ENSG00000261025.1	0	1	1	1	2

## ENSG00000264371.1	0	0	0	0	0
## ENSG00000285823.1	0	0	0	0	0
## ENSG00000233755.1	0	0	0	0	0
## ENSG00000233419.3	3	1	0	0	0
## ENSG00000231953.2	0	0	0	0	0
## ENSG00000117614.10	2874	3755	3369	3720	3315
## ENSG00000284602.1	9	12	10	21	12
## ENSG00000284657.1	4	4	4	4	5
## ENSG00000117616.18	396	533	517	644	449
## ENSG00000272432.1	8	3	8	7	10
## ENSG00000261349.1	7	4	13	2	3
## ENSG00000187010.21	5	9	6	7	5
## ENSG00000224183.1	4	3	5	8	7
## ENSG00000259984.1	0	1	2	0	0
## ENSG00000183726.11	8029	10938	9214	10468	9994
## ENSG00000188672.19	9	10	8	9	11
## ENSG00000238084.4	6	8	6	8	11
## ENSG00000204178.11	3850	4925	4033	4396	4492
## ENSG00000157978.12	1532	1686	1741	1879	1836
## ENSG00000225643.1	8	4	6	2	2
## ENSG00000117643.16	546	628	634	748	647
## ENSG00000233478.1	1	1	4	7	1
## ENSG00000162430.18	18440	20349	20844	21011	23308
## ENSG00000255054.3	0	0	0	0	0
## ENSG00000228172.5	19	30	18	17	25
## ENSG00000117640.18	2476	2951	2788	2856	3074
## ENSG00000272478.1	0	0	0	0	0
## ENSG00000127423.11	659	802	799	749	759
## ENSG00000236528.3	1	0	1	2	2
## ENSG00000182749.6	1210	1390	1437	1367	1526
## ENSG00000207302.1	0	0	0	0	0
## ENSG00000117632.23	55402	61279	63182	57700	69456
## ENSG00000229786.1	0	1	0	1	0
## ENSG00000223624.1	1	0	0	1	0
## ENSG00000283938.1	0	0	0	0	0
## ENSG00000158006.14	1317	1767	1622	1824	1505
## ENSG00000207237.1	0	0	0	0	0
## ENSG00000252190.1	0	0	0	0	0
## ENSG00000252691.1	0	0	0	0	0
## ENSG00000158008.10	93	90	96	89	102
## ENSG00000158014.15	74	53	80	54	101
## ENSG00000284309.1	0	3	1	0	1
## ENSG00000158022.7	54	18	39	28	54
## ENSG00000175087.10	993	1402	1260	1246	1114
## ENSG00000197245.6	14	11	12	5	17
## ENSG00000282872.2	34	19	34	14	33
## ENSG00000236782.8	26	18	29	33	22
## ENSG00000142684.9	0	0	0	0	0
## ENSG00000142675.18	910	1085	1067	1143	1193
## ENSG00000188782.9	2	0	4	4	0
## ENSG00000236155.9	0	0	1	0	0
## ENSG00000293494.2	39	36	45	41	54
## ENSG00000278572.1	1	0	1	3	3
## ENSG00000130695.16	2429	2533	3038	2865	2622

## ENSG00000270733.1	4	1	0	2	4
## ENSG00000142669.15	5512	6218	6355	5732	7861
## ENSG00000158062.21	872	884	933	868	1132
## ENSG00000169442.9	7	15	8	10	6
## ENSG00000176092.17	2588	3895	2733	3696	3276
## ENSG00000225854.2	2	2	0	3	1
## ENSG00000176083.18	0	3	3	2	0
## ENSG00000131914.11	90010	117230	100316	110637	110437
## ENSG00000117682.18	2348	2576	2554	2615	2744
## ENSG00000223583.1	5	6	1	1	0
## ENSG00000225891.2	1	6	5	2	2
## ENSG00000198830.12	16166	19304	17261	18132	21929
## ENSG00000224129.1	0	0	0	0	0
## ENSG00000117676.14	4849	5783	5152	5932	6130
## ENSG00000238705.1	0	0	0	0	0
## ENSG00000243905.3	0	0	0	0	0
## ENSG00000252802.1	0	0	0	0	0
## ENSG00000252429.2	0	0	0	0	0
## ENSG00000289452.1	0	1	0	0	0
## ENSG00000229247.2	0	0	0	0	0
## ENSG00000238316.1	0	0	0	0	0
## ENSG00000235069.2	0	0	0	0	0
## ENSG00000260063.1	25	32	21	29	31
## ENSG00000290006.1	0	0	0	0	0
## ENSG00000117713.21	11407	12955	13453	14329	12556
## ENSG00000060642.12	773	917	885	1024	887
## ENSG00000241188.3	0	0	0	0	0
## ENSG00000287810.1	0	0	0	0	0
## ENSG00000204160.12	2745	3232	3022	3169	3361
## ENSG00000175793.12	114	158	104	150	157
## ENSG00000142751.15	1647	1991	2030	2056	2071
## ENSG00000226698.1	0	0	0	0	0
## ENSG00000289554.1	35	59	65	65	38
## ENSG00000198746.13	1254	1346	1275	1419	1506
## ENSG00000090273.14	12614	14107	14849	13361	17025
## ENSG00000131910.5	83	72	82	73	103
## ENSG00000175707.10	1022	1231	1140	1310	1224
## ENSG00000172746.6	3	3	3	3	4
## ENSG00000224064.1	0	1	0	0	1
## ENSG00000225294.1	2	2	3	7	8
## ENSG00000253368.4	3243	4209	3534	3862	4162
## ENSG00000158246.8	1571	1815	1710	1769	2161
## ENSG00000090020.11	2611	3123	2991	3172	3348
## ENSG00000229985.2	0	0	0	0	0
## ENSG00000214973.3	6	9	5	6	4
## ENSG00000225159.1	36	63	50	49	76
## ENSG00000225990.2	0	0	0	0	0
## ENSG00000224311.1	0	0	0	0	0
## ENSG00000142784.16	4174	4366	4747	4583	5219
## ENSG00000252098.1	0	0	0	0	0
## ENSG00000243659.1	5	3	3	3	2
## ENSG00000186501.15	2120	2491	2325	2667	3169
## ENSG00000206888.1	2	6	1	3	2
## ENSG00000241547.1	25	23	21	30	28

## ENSG00000142765.18	754	1170	841	1220	1272
## ENSG00000142733.18	320	320	381	363	373
## ENSG00000142748.14	2	3	0	4	2
## ENSG00000174950.11	3	1	8	3	8
## ENSG00000231207.1	0	2	0	0	0
## ENSG00000181773.7	197	235	186	199	278
## ENSG00000158195.11	11684	14887	13535	14280	13539
## ENSG00000241169.1	1	0	0	0	0
## ENSG00000237429.1	2	1	15	1	2
## ENSG00000126705.15	2617	2920	3035	3141	3455
## ENSG00000000938.13	0	0	0	0	1
## ENSG00000235912.1	19	18	16	26	21
## ENSG00000233975.2	3	0	1	1	0
## ENSG00000126709.16	138	40	113	35	44
## ENSG00000225886.3	0	0	0	0	0
## ENSG00000206767.1	0	0	0	0	0
## ENSG00000226662.2	0	0	0	0	0
## ENSG00000207095.1	0	0	0	0	0
## ENSG00000287244.1	1	4	0	3	3
## ENSG000000009780.16	648	851	891	828	789
## ENSG00000231344.1	3	3	3	6	2
## ENSG00000230833.1	0	0	0	0	0
## ENSG00000117758.14	2956	3802	3354	3374	3143
## ENSG00000269971.1	4	8	2	0	2
## ENSG00000270031.1	1	2	0	1	3
## ENSG00000223062.1	0	0	0	0	0
## ENSG00000286433.1	3	0	3	0	1
## ENSG00000117751.18	5481	6912	6284	7503	6699
## ENSG00000252947.1	4	5	0	3	1
## ENSG00000130775.16	104	82	125	90	131
## ENSG00000117748.10	3233	3700	3695	3665	3980
## ENSG00000130768.15	980	1153	1087	1173	1261
## ENSG00000227050.1	1	0	1	0	1
## ENSG00000158156.9	1325	1498	1473	1708	1692
## ENSG00000158161.16	4385	5197	5337	5251	4714
## ENSG00000238231.2	0	0	3	1	2
## ENSG00000240750.3	1	0	1	1	1
## ENSG00000228589.3	61	41	61	62	58
## ENSG00000228943.1	0	0	0	0	0
## ENSG00000289576.2	0	0	0	0	0
## ENSG00000214812.3	0	1	1	0	1
## ENSG00000253005.1	0	0	0	0	0
## ENSG00000169403.12	720	1074	1054	1171	795
## ENSG00000126698.11	11649	14573	12462	14345	14560
## ENSG00000290123.1	10	9	17	19	9
## ENSG00000130770.18	3395	4094	4016	4591	4474
## ENSG00000270605.1	26	32	33	41	36
## ENSG00000271398.1	0	2	0	3	1
## ENSG00000130766.5	5368	7076	5852	7439	7337
## ENSG00000130772.14	1233	1502	1408	1594	1518
## ENSG00000204138.13	5669	6876	6964	7016	6062
## ENSG00000206779.1	0	0	1	0	0
## ENSG00000229820.2	0	0	0	0	1
## ENSG00000221216.1	0	1	0	0	0

## ENSG00000180198.17	6996	8008	7618	8187	8299
## ENSG00000242125.3	2142	2313	2630	2612	2392
## ENSG00000274266.1	0	0	0	0	0
## ENSG00000200087.1	9	37	20	19	19
## ENSG00000231468.2	0	7	6	4	4
## ENSG00000279443.1	67	93	70	100	75
## ENSG00000180098.9	1118	1351	1326	1405	1525
## ENSG00000197989.15	164	273	239	322	152
## ENSG00000221539.1	0	4	8	5	6
## ENSG00000278274.1	0	0	0	0	0
## ENSG00000273544.1	0	0	0	0	0
## ENSG00000280498.1	0	0	0	0	0
## ENSG00000274582.1	0	0	0	0	0
## ENSG00000120656.14	1461	1690	1642	1809	1778
## ENSG00000188060.8	65	54	85	76	90
## ENSG00000229388.1	4	4	2	3	4
## ENSG00000270103.3	0	0	0	0	0
## ENSG00000274978.1	0	0	0	0	0
## ENSG00000162419.13	1900	2162	2247	2169	1745
## ENSG00000252777.1	0	0	0	0	0
## ENSG00000289291.1	57	69	69	87	78
## ENSG00000198492.16	13200	16208	15190	15411	15600
## ENSG00000116329.12	52	29	47	33	34
## ENSG00000233427.1	0	3	0	0	1
## ENSG00000199756.1	0	0	0	0	0
## ENSG00000159023.23	7800	7930	9109	8047	7780
## ENSG00000225616.2	22	27	14	38	42
## ENSG00000206704.1	0	0	0	0	0
## ENSG00000277958.1	0	0	0	0	0
## ENSG00000253304.2	1090	1074	1219	1144	1381
## ENSG00000225750.1	0	0	3	0	0
## ENSG00000116350.18	6522	7619	7889	8087	7980
## ENSG00000277916.1	0	0	0	0	0
## ENSG00000116353.16	1378	1624	1558	1635	1841
## ENSG00000237934.1	1	1	0	1	2
## ENSG00000060656.20	8525	11776	9747	12269	12003
## ENSG00000230523.1	1	0	0	1	2
## ENSG00000225011.4	0	0	0	0	0
## ENSG00000228176.1	0	0	0	0	0
## ENSG00000284676.1	1	0	2	1	1
## ENSG00000270927.1	0	0	0	0	0
## ENSG00000233399.2	0	1	0	1	0
## ENSG00000233372.1	0	0	0	0	0
## ENSG00000231251.1	0	0	0	0	0
## ENSG00000236335.1	0	0	0	0	0
## ENSG00000231949.1	0	0	0	0	0
## ENSG00000289710.1	0	0	0	0	0
## ENSG00000162510.6	9	8	3	2	9
## ENSG00000186056.11	4	17	11	18	10
## ENSG00000287510.1	0	0	0	0	0
## ENSG00000162511.8	23	30	27	35	34
## ENSG00000264773.1	0	0	0	0	0
## ENSG00000229607.1	0	0	0	0	0
## ENSG00000223382.6	0	4	3	3	6

## ENSG00000222784.1	0	0	0	0	0
## ENSG00000235143.1	0	0	0	1	0
## ENSG00000162512.16	6474	6927	7251	6596	7790
## ENSG00000266210.2	0	0	0	0	0
## ENSG00000134644.16	11680	14867	14277	15453	13273
## ENSG00000237329.2	1	0	0	0	0
## ENSG00000232768.1	0	0	0	0	0
## ENSG00000215900.4	0	0	0	0	1
## ENSG00000225142.2	0	0	0	0	0
## ENSG00000084628.10	3465	2701	3713	2759	4433
## ENSG00000060688.13	4761	5813	5711	6174	5723
## ENSG00000229447.2	3	3	2	4	5
## ENSG00000121766.16	5417	6762	6188	6394	6910
## ENSG00000229044.1	0	0	0	0	0
## ENSG00000121769.8	745	865	998	973	1060
## ENSG00000168528.12	7385	10052	8591	10659	11553
## ENSG00000215899.3	5	5	5	11	8
## ENSG00000206981.1	0	0	0	0	0
## ENSG00000293391.1	2	0	3	1	2
## ENSG00000260386.7	0	0	0	0	0
## ENSG00000265961.1	0	0	0	0	0
## ENSG00000284543.1	5	9	10	14	11
## ENSG00000229167.2	8	12	14	19	11
## ENSG00000142910.16	358	674	616	903	607
## ENSG00000121764.12	4	6	6	6	3
## ENSG00000162517.13	4434	5327	4971	5392	5706
## ENSG00000235790.7	3	6	5	4	11
## ENSG00000264078.1	0	1	0	1	1
## ENSG00000084636.18	77	86	104	82	83
## ENSG00000121753.13	622	766	800	707	896
## ENSG00000266580.1	0	0	0	0	0
## ENSG00000254545.1	0	0	0	0	0
## ENSG00000134668.13	30	47	51	44	39
## ENSG00000203620.2	1	1	0	2	0
## ENSG00000269967.1	0	2	1	0	0
## ENSG00000184007.22	14384	19486	17222	18199	17503
## ENSG00000288678.2	0	0	0	0	0
## ENSG00000228634.1	1	0	0	0	3
## ENSG00000284702.1	0	0	0	0	0
## ENSG00000121774.18	23477	29362	27679	26180	27335
## ENSG00000203325.3	1	3	5	6	0
## ENSG00000121775.18	608	744	803	742	1014
## ENSG00000266203.1	0	0	0	0	0
## ENSG00000276493.1	0	0	0	0	0
## ENSG00000025800.14	7247	9865	9312	10757	8562
## ENSG00000250135.1	0	0	0	0	0
## ENSG00000084652.16	5215	6583	6399	7205	6450
## ENSG00000160050.16	596	530	628	547	760
## ENSG00000224066.1	5	2	1	0	5
## ENSG00000160051.12	377	331	427	398	393
## ENSG00000222046.3	2	0	5	7	3
## ENSG00000160055.20	433	634	538	564	580
## ENSG00000084623.12	23278	27525	25913	26436	30049
## ENSG00000291132.1	178	157	162	175	192

## ENSG00000220785.10	0	0	0	0	0
## ENSG00000290045.1	8	10	14	3	13
## ENSG00000183615.6	53	33	46	32	41
## ENSG00000182866.18	114	112	117	94	112
## ENSG00000277617.1	0	0	0	0	0
## ENSG00000252450.1	0	0	0	0	0
## ENSG00000116478.12	9392	12472	10772	12617	11616
## ENSG00000175130.7	46884	52844	52598	53810	66692
## ENSG00000233775.1	0	0	0	1	1
## ENSG00000162526.7	3	1	2	8	3
## ENSG00000225828.2	37	42	41	41	50
## ENSG00000160058.19	5130	7180	5916	7244	6369
## ENSG00000224333.1	0	0	0	0	0
## ENSG00000270850.1	0	0	0	0	0
## ENSG00000229259.1	0	0	0	0	0
## ENSG00000263529.2	0	0	0	0	0
## ENSG00000254553.1	0	2	0	0	0
## ENSG00000273274.2	228	230	264	224	222
## ENSG00000160062.15	905	1136	1021	1032	882
## ENSG00000176261.16	1491	1723	1699	1859	1857
## ENSG00000200591.1	0	0	0	0	0
## ENSG00000162521.19	23643	28623	27624	28109	26534
## ENSG00000162520.15	13	12	11	12	13
## ENSG00000224409.1	2	0	0	0	0
## ENSG00000162522.11	10508	12072	12140	12593	12859
## ENSG00000134684.13	13540	15402	15485	15261	16113
## ENSG00000116497.18	2658	3206	3169	3518	2952
## ENSG00000160097.21	199	59	213	98	227
## ENSG00000121905.10	151	45	149	59	172
## ENSG00000121900.19	507	562	624	592	811
## ENSG00000287691.1	8	13	7	12	6
## ENSG00000116514.17	1507	1885	1681	2113	2038
## ENSG00000278966.2	0	1	1	0	0
## ENSG00000217644.5	0	0	0	0	1
## ENSG00000239670.1	0	1	0	2	1
## ENSG00000236065.2	0	0	0	0	0
## ENSG00000004455.18	11649	14472	12711	14323	14316
## ENSG00000276645.1	0	0	0	0	0
## ENSG00000142920.18	171	205	190	261	217
## ENSG00000278997.1	5	18	7	17	12
## ENSG00000116525.14	328	389	429	369	413
## ENSG00000279179.1	6	2	0	3	2
## ENSG00000284721.1	0	0	0	0	0
## ENSG00000160094.15	2240	2199	2488	2264	2890
## ENSG00000270115.1	1	6	2	6	3
## ENSG00000184389.9	0	1	0	0	0
## ENSG00000225313.5	48	79	60	60	51
## ENSG00000134686.21	9390	10216	10020	10110	12082
## ENSG00000284154.1	0	1	2	5	1
## ENSG00000222112.1	4	10	10	7	5
## ENSG00000233246.1	0	10	12	11	9
## ENSG00000234512.1	0	0	0	0	0
## ENSG00000121903.15	888	1138	1025	1176	879
## ENSG00000235907.2	0	0	1	2	1

## ENSG00000121904.19	45	62	67	93	62
## ENSG00000227000.2	0	0	0	0	0
## ENSG00000176256.11	0	0	0	0	0
## ENSG00000231163.6	0	0	0	0	0
## ENSG00000201148.1	0	0	0	0	0
## ENSG00000142698.15	1	1	3	0	0
## ENSG00000270241.1	0	0	0	0	0
## ENSG00000287703.1	0	1	0	3	0
## ENSG00000207941.1	0	0	0	0	0
## ENSG00000163866.9	2241	2795	2522	2889	2990
## ENSG00000189280.3	1	7	4	8	2
## ENSG00000189433.7	1	6	3	10	4
## ENSG00000255811.1	0	0	0	0	0
## ENSG00000188910.8	13	20	18	19	14
## ENSG00000187513.9	42	12	39	15	30
## ENSG00000230163.1	0	0	0	0	0
## ENSG00000116544.12	167	112	148	122	166
## ENSG00000284773.1	18	51	46	48	40
## ENSG00000293382.1	16	44	41	27	29
## ENSG00000241014.3	0	0	0	0	0
## ENSG00000243749.2	77	96	68	108	94
## ENSG00000271741.1	0	0	1	2	1
## ENSG00000163867.17	499	729	626	596	627
## ENSG00000197056.11	1798	2296	2058	2182	1637
## ENSG00000233940.1	0	0	0	0	0
## ENSG00000228348.1	0	0	1	0	0
## ENSG00000284640.1	3	4	3	0	3
## ENSG00000116560.12	30638	39613	34801	37367	36818
## ENSG00000201868.1	0	0	0	0	0
## ENSG00000146463.12	11084	13425	12660	13340	11753
## ENSG00000240374.3	0	0	0	0	0
## ENSG00000201542.1	0	0	0	0	0
## ENSG00000229994.1	45	55	39	34	53
## ENSG00000227409.1	0	5	3	0	1
## ENSG00000142687.19	4421	6621	5122	6600	5415
## ENSG00000278702.1	0	0	0	1	1
## ENSG00000236274.1	0	0	0	0	0
## ENSG0000020129.16	2017	2360	2150	2347	2738
## ENSG00000239636.3	4	2	2	1	1
## ENSG00000116819.9	12	13	13	14	15
## ENSG00000126067.12	11987	15175	14672	14579	16407
## ENSG00000142686.8	761	789	972	807	900
## ENSG00000092853.14	2561	2724	3047	2487	2375
## ENSG00000232335.1	0	0	0	0	0
## ENSG00000134698.11	1869	2413	2334	2556	1944
## ENSG00000092847.14	8563	10216	9866	10077	8864
## ENSG00000271164.1	0	0	0	0	0
## ENSG00000286899.1	0	2	0	1	0
## ENSG00000271914.1	0	0	0	0	0
## ENSG00000126070.20	1488	1772	1999	1865	1464
## ENSG00000271554.1	0	1	1	3	2
## ENSG00000293245.1	2	5	1	3	1
## ENSG00000232862.6	0	0	0	0	0
## ENSG00000092850.12	193	141	237	171	191

## ENSG00000116863.11	1515	1823	1684	1898	2154
## ENSG00000171812.13	1	2	1	9	10
## ENSG00000054116.12	3387	4861	4035	5164	4638
## ENSG00000116871.16	7840	8457	8635	8489	10223
## ENSG00000264592.2	0	0	0	0	0
## ENSG00000054118.15	15210	18956	17580	18152	16993
## ENSG00000231849.1	0	1	0	0	0
## ENSG00000214193.11	114	142	127	134	131
## ENSG00000142694.7	0	0	0	0	0
## ENSG00000286379.1	1	1	1	1	6
## ENSG00000196182.11	4947	6640	5514	6559	6337
## ENSG00000181817.6	1849	1958	1985	2129	2661
## ENSG00000222821.1	0	0	0	0	0
## ENSG00000116885.18	904	956	920	966	1054
## ENSG00000201448.1	0	4	1	1	2
## ENSG00000116898.12	6840	8015	7055	7808	8284
## ENSG00000119535.20	89	131	117	169	104
## ENSG00000230214.1	0	0	0	0	0
## ENSG00000284705.1	0	3	1	0	1
## ENSG00000284720.1	2	6	2	0	0
## ENSG00000234481.2	0	0	0	0	0
## ENSG00000163873.10	189	198	251	164	205
## ENSG00000284650.1	0	0	0	0	0
## ENSG00000223944.3	0	0	0	0	0
## ENSG00000264698.1	0	0	0	0	0
## ENSG00000207328.1	0	0	0	0	0
## ENSG00000252368.1	0	0	0	0	0
## ENSG00000230451.2	0	0	0	0	0
## ENSG00000233621.3	49	59	68	64	81
## ENSG00000163874.11	497	669	556	759	637
## ENSG00000283724.1	0	0	0	0	0
## ENSG00000163875.16	3992	4805	4920	4466	4833
## ENSG00000263675.1	1	2	4	7	1
## ENSG00000163877.11	1634	1828	1849	1861	1785
## ENSG00000232273.1	0	0	2	1	0
## ENSG00000237749.4	21	32	40	52	48
## ENSG00000163879.11	3883	4305	4292	4264	5189
## ENSG00000134697.13	7098	8109	7837	8162	7908
## ENSG00000284748.1	0	0	0	0	0
## ENSG00000169218.14	1	1	0	4	0
## ENSG00000116922.15	1578	2174	2075	2243	2046
## ENSG00000134690.11	4352	5050	5198	5211	5469
## ENSG00000183317.17	54	61	59	41	72
## ENSG00000200421.1	0	0	0	0	0
## ENSG00000214141.4	0	0	2	0	0
## ENSG00000227416.2	0	0	0	0	0
## ENSG00000185090.15	654	379	696	420	735
## ENSG00000233728.1	0	0	0	0	0
## ENSG00000196449.4	1784	2119	2040	2183	2232
## ENSG00000197982.14	1924	1842	1866	1915	2518
## ENSG00000188786.10	1294	1672	1625	1865	1377
## ENSG00000235673.1	0	0	0	0	0
## ENSG00000230955.1	0	0	0	0	0
## ENSG00000204084.14	976	1086	1295	1265	1162

## ENSG00000252448.1	3	0	0	0	0
## ENSG00000222282.1	1	0	0	0	0
## ENSG00000277168.1	0	0	0	0	0
## ENSG00000183431.12	12140	13949	13241	13729	14442
## ENSG00000212541.1	6	1	5	3	1
## ENSG00000183386.10	955	1135	1094	1115	1418
## ENSG00000183520.12	2969	3580	3305	3491	3301
## ENSG00000185668.8	18	35	36	28	32
## ENSG00000224592.5	16	25	17	26	49
## ENSG00000223589.2	0	0	0	0	0
## ENSG00000265596.1	0	0	0	0	0
## ENSG00000284623.1	0	0	0	0	1
## ENSG00000286552.1	0	0	0	1	1
## ENSG00000287987.1	0	0	2	1	0
## ENSG00000237290.2	2	0	0	2	4
## ENSG00000275350.1	0	0	0	0	0
## ENSG00000200796.1	0	0	0	0	0
## ENSG00000238063.3	0	0	0	0	0
## ENSG00000215895.4	32	30	37	46	46
## ENSG00000284632.1	0	0	0	0	0
## ENSG00000116954.8	936	1317	1125	1154	1135
## ENSG00000273637.1	0	0	0	0	0
## ENSG00000228436.4	32	28	37	39	44
## ENSG00000214114.9	2186	2666	2405	2508	2455
## ENSG00000274944.4	0	0	0	0	1
## ENSG00000131233.10	0	2	0	0	1
## ENSG00000158315.11	4	3	3	5	4
## ENSG00000199963.1	0	0	0	0	0
## ENSG00000207466.1	0	0	0	0	0
## ENSG00000235549.1	0	0	0	0	0
## ENSG00000174574.16	10767	15982	13054	15896	13757
## ENSG00000168653.11	15773	18512	17592	19226	21423
## ENSG00000127603.32	18743	28413	22264	27600	19805
## ENSG00000206654.1	0	0	0	0	0
## ENSG00000222378.1	0	0	0	0	1
## ENSG00000287422.1	0	0	0	0	0
## ENSG00000226438.1	0	0	0	0	0
## ENSG00000217897.2	2	3	1	1	2
## ENSG00000183682.8	70	58	102	81	89
## ENSG00000237624.1	6	0	4	7	6
## ENSG00000291129.1	15	14	18	35	21
## ENSG00000243970.6	0	0	1	0	0
## ENSG00000090621.15	16208	18848	17910	17287	18753
## ENSG00000228060.3	14	20	15	14	7
## ENSG00000201457.1	0	0	0	0	0
## ENSG00000163909.8	41	19	49	15	26
## ENSG00000225903.1	0	0	0	0	0
## ENSG00000116981.4	2	0	2	3	2
## ENSG00000116983.13	7	9	2	13	9
## ENSG00000084072.17	3764	4425	4158	4645	4910
## ENSG00000225333.6	1	0	0	0	0
## ENSG00000252413.1	0	0	0	0	0
## ENSG00000289711.1	0	0	0	0	0
## ENSG00000116985.12	84	90	102	84	72

## ENSG00000198754.5	1	0	0	0	1
## ENSG00000285905.1	0	0	0	0	0
## ENSG00000261798.1	0	0	0	0	0
## ENSG00000229213.1	0	0	0	0	0
## ENSG00000284719.3	0	2	1	3	0
## ENSG00000284678.1	0	0	0	0	0
## ENSG00000043514.17	2380	2731	2677	2739	2598
## ENSG00000202222.1	0	0	0	1	0
## ENSG00000116990.12	1912	2026	2104	2144	2275
## ENSG00000236546.1	9	7	9	9	10
## ENSG00000207356.1	0	0	0	0	0
## ENSG00000168389.18	309	321	357	380	438
## ENSG00000228477.1	31	32	45	56	68
## ENSG00000131236.18	26885	34688	30107	34966	32611
## ENSG00000131238.18	12939	16275	13910	15999	15158
## ENSG00000226745.2	0	0	0	0	0
## ENSG00000117000.9	4061	5191	4792	5284	3988
## ENSG00000207508.1	0	0	0	0	0
## ENSG00000188800.6	0	0	1	0	0
## ENSG00000259943.2	306	385	398	380	408
## ENSG00000084073.10	8779	12922	9678	10754	9999
## ENSG00000231296.1	0	0	5	1	0
## ENSG00000049089.15	928	1509	1134	1654	1432
## ENSG00000227311.3	21	10	11	23	36
## ENSG00000084070.12	3247	4458	3778	4475	4063
## ENSG00000213172.3	0	0	0	0	0
## ENSG00000290111.1	0	0	0	0	0
## ENSG00000284677.1	2	1	1	3	3
## ENSG00000187801.15	325	366	403	350	344
## ENSG00000260920.2	282	316	348	308	338
## ENSG00000279667.1	5	20	17	12	7
## ENSG00000187815.10	408	527	488	469	485
## ENSG00000238287.1	2	8	6	3	3
## ENSG00000164002.12	307	346	350	364	354
## ENSG00000227278.1	0	0	0	0	0
## ENSG00000238186.1	30	35	38	27	37
## ENSG00000117010.17	205	215	227	183	227
## ENSG00000286838.1	0	0	0	0	0
## ENSG00000236505.1	0	0	0	0	0
## ENSG00000233910.1	0	0	0	0	0
## ENSG00000117016.10	1278	906	1413	929	1201
## ENSG00000287743.1	0	3	5	7	4
## ENSG00000237899.1	0	3	2	6	7
## ENSG00000272145.2	24	39	34	27	27
## ENSG00000066136.21	2301	2606	2636	2710	3025
## ENSG00000198974.3	0	0	0	0	0
## ENSG00000207962.1	0	0	0	0	0
## ENSG00000117013.17	83	58	119	66	96
## ENSG00000264582.2	0	0	0	0	0
## ENSG00000179862.7	1088	996	1232	1107	1606
## ENSG00000229528.1	0	0	2	0	0
## ENSG00000228940.1	0	0	0	0	1
## ENSG00000286668.1	0	0	0	0	0
## ENSG00000233118.2	0	0	0	0	0

## ENSG00000171793.17	9250	10127	11232	9952	10381
## ENSG00000281207.1	25	18	29	31	18
## ENSG00000171790.16	4	25	14	26	20
## ENSG00000010803.17	2905	3221	3392	3245	3548
## ENSG00000215893.3	0	0	0	0	1
## ENSG00000287400.1	0	0	1	0	1
## ENSG00000235358.2	0	5	1	1	0
## ENSG00000213987.4	0	0	0	0	0
## ENSG00000291157.1	5	10	5	5	15
## ENSG00000286640.3	0	0	0	0	0
## ENSG00000204060.8	173	107	188	137	243
## ENSG00000229901.1	0	2	0	0	1
## ENSG00000252563.1	0	0	0	0	0
## ENSG00000127129.10	25	12	15	13	16
## ENSG00000127124.16	338	411	356	424	444
## ENSG00000230881.1	0	0	2	0	0
## ENSG00000230638.4	4	10	2	8	8
## ENSG00000284895.1	0	0	0	0	0
## ENSG00000287587.1	1	0	0	0	0
## ENSG00000227538.1	0	0	0	0	0
## ENSG00000228776.2	0	0	0	0	0
## ENSG00000044012.4	24	17	34	17	53
## ENSG00000197273.4	1	8	5	6	9
## ENSG00000198815.9	4523	5329	5429	5510	4960
## ENSG00000227527.2	8	7	3	3	4
## ENSG00000177181.15	275	144	304	151	268
## ENSG00000235002.1	0	0	0	0	0
## ENSG00000066185.13	38	33	33	26	39
## ENSG00000127125.9	2194	2662	2301	2664	2521
## ENSG00000186409.19	406	451	457	438	457
## ENSG00000230116.1	0	0	2	0	0
## ENSG00000236876.3	17	13	9	17	11
## ENSG00000200254.1	0	0	0	0	0
## ENSG00000236180.2	0	2	0	0	0
## ENSG00000171960.12	1437	1583	1538	1672	1667
## ENSG00000285728.3	26	54	38	54	27
## ENSG00000234917.2	5	1	2	6	1
## ENSG00000065978.19	99370	116119	108725	104369	140152
## ENSG00000164007.11	423	433	505	452	524
## ENSG00000117385.16	5945	6998	6521	7341	8158
## ENSG00000164008.17	463	488	537	500	455
## ENSG00000283580.4	1	1	1	0	0
## ENSG00000228452.1	0	0	0	0	0
## ENSG00000274386.6	49	53	62	46	62
## ENSG00000177868.12	1243	1409	1347	1347	1550
## ENSG00000164010.15	422	584	596	604	583
## ENSG00000228192.10	164	141	138	144	156
## ENSG00000164011.18	882	929	982	1001	1040
## ENSG00000233708.1	1	0	1	0	1
## ENSG00000237090.1	1	1	1	2	0
## ENSG00000225099.1	2	5	5	3	3
## ENSG00000288955.1	0	1	0	0	1
## ENSG00000117394.24	8164	7720	9022	8646	11814
## ENSG00000284138.1	0	0	0	0	1

## ENSG00000227533.7	10	2	11	5	10
## ENSG00000283973.2	0	0	0	2	0
## ENSG00000207256.1	0	0	0	0	0
## ENSG00000283136.1	0	0	0	0	0
## ENSG00000277513.1	0	0	0	0	0
## ENSG00000186973.11	57	68	66	53	80
## ENSG00000117395.13	5991	6768	6328	6938	7717
## ENSG00000284410.1	0	0	0	0	0
## ENSG00000243710.8	121	126	135	101	132
## ENSG00000199240.1	0	0	0	0	0
## ENSG00000179178.11	802	1094	958	1099	1144
## ENSG00000253313.6	769	1198	904	1266	987
## ENSG00000066056.14	21	15	19	12	32
## ENSG00000117400.18	16	23	25	11	15
## ENSG00000287113.1	0	3	0	0	1
## ENSG00000234694.2	11	8	6	15	18
## ENSG00000117399.14	9148	9681	10139	9609	12632
## ENSG00000066322.15	5786	7057	6513	7052	7659
## ENSG00000283836.1	0	0	0	0	0
## ENSG00000288772.2	21	16	11	7	8
## ENSG00000159479.17	2022	2508	2267	2540	2517
## ENSG00000229431.1	0	10	13	9	12
## ENSG00000198198.17	1483	1783	1724	1988	1621
## ENSG00000229372.1	1	0	0	0	0
## ENSG00000274975.1	0	0	0	0	0
## ENSG00000178922.18	0	0	0	0	0
## ENSG00000229348.1	0	0	1	0	0
## ENSG00000142949.17	54806	67761	63575	69984	66115
## ENSG00000066135.13	5042	6801	5813	6500	5409
## ENSG00000284989.1	0	0	0	0	0
## ENSG00000236200.7	42	63	49	45	63
## ENSG00000126091.21	39	51	44	44	57
## ENSG00000229444.1	0	0	0	0	0
## ENSG00000283414.1	0	0	0	0	0
## ENSG00000233674.2	0	0	0	0	0
## ENSG00000283477.1	0	0	0	0	0
## ENSG00000224751.2	1	0	0	0	0
## ENSG00000117407.17	12	19	14	15	19
## ENSG00000237950.3	11	17	12	17	13
## ENSG00000288573.3	9	5	1	9	4
## ENSG00000117408.11	3184	3514	3540	3570	3782
## ENSG00000285649.1	8	5	5	4	5
## ENSG00000132768.14	3291	3658	3515	3517	4381
## ENSG00000117410.14	7347	9791	7683	9453	10761
## ENSG00000117411.18	6618	6846	6677	6741	8963
## ENSG00000159214.13	426	422	486	471	507
## ENSG00000196517.13	1521	2130	1917	2262	2207
## ENSG00000230615.8	73	99	109	120	101
## ENSG00000227163.2	0	0	0	0	0
## ENSG00000271647.1	0	0	0	0	0
## ENSG00000239560.3	0	0	0	0	0
## ENSG00000171872.5	0	0	0	0	0
## ENSG00000233514.1	20	21	15	21	28
## ENSG00000283039.1	0	0	0	0	0

## ENSG00000226804.4	0	0	0	0	0
## ENSG00000200171.1	0	0	0	0	0
## ENSG00000238037.1	0	0	0	0	0
## ENSG00000227994.1	0	0	0	0	0
## ENSG00000271329.1	0	0	0	0	1
## ENSG00000178028.14	1646	1867	1789	1830	2038
## ENSG00000117419.16	6707	7296	6715	6987	8926
## ENSG00000233602.1	2	4	3	1	0
## ENSG00000199385.1	0	0	0	0	0
## ENSG00000187147.19	3854	4373	4487	4600	4924
## ENSG00000263381.1	0	0	0	0	0
## ENSG00000126106.14	585	647	566	583	691
## ENSG00000198520.12	18	12	16	15	27
## ENSG00000199377.1	0	1	0	0	0
## ENSG00000200169.1	0	0	3	2	0
## ENSG00000142945.13	3848	3937	4333	4367	4576
## ENSG00000225721.5	2	1	3	1	1
## ENSG00000142937.12	96656	121129	107717	122458	140528
## ENSG00000264294.1	0	0	0	0	0
## ENSG00000200913.1	9	11	6	16	12
## ENSG00000202031.1	0	0	0	0	0
## ENSG00000207421.1	0	0	0	0	0
## ENSG00000281859.1	0	0	0	0	0
## ENSG00000234093.3	20	27	17	30	41
## ENSG00000142959.5	91	81	93	79	138
## ENSG00000173846.13	486	739	547	914	763
## ENSG00000188396.4	7	8	4	10	6
## ENSG00000290041.1	1	7	4	4	2
## ENSG00000222009.9	71	113	99	105	111
## ENSG00000117425.14	33	44	72	67	53
## ENSG00000202444.1	0	0	0	0	0
## ENSG00000226499.1	7	10	4	6	12
## ENSG00000070785.17	2110	2480	2333	2327	2489
## ENSG00000253039.1	0	0	0	0	0
## ENSG00000229815.1	0	0	0	0	0
## ENSG00000232369.1	1	1	0	2	0
## ENSG00000268949.1	0	0	1	2	1
## ENSG00000126107.15	2461	3083	2920	2887	3094
## ENSG00000126088.14	3507	4051	3624	4001	4817
## ENSG00000162415.7	465	498	662	529	510
## ENSG00000234315.1	0	1	2	0	0
## ENSG00000281912.1	14	19	18	27	25
## ENSG00000186603.7	1139	1085	1088	1180	1237
## ENSG00000132781.21	58	102	90	97	84
## ENSG00000288208.1	0	0	0	0	0
## ENSG00000132773.12	976	1217	1110	1397	1257
## ENSG00000070759.17	855	1272	1021	1433	961
## ENSG00000236872.1	0	0	0	0	0
## ENSG00000280670.3	174	240	201	255	203
## ENSG00000132763.15	1367	1428	1480	1413	1586
## ENSG00000117450.15	36582	47077	39696	44935	46087
## ENSG00000234379.1	0	0	0	0	0
## ENSG00000117448.14	9884	10952	10708	10780	12873
## ENSG00000289407.1	30	22	38	27	30

## ENSG00000132780.17	26063	28809	31810	29502	28442
## ENSG00000159588.15	19	28	16	39	23
## ENSG00000159592.11	7757	10454	9657	10672	8631
## ENSG00000225447.1	3	6	4	2	4
## ENSG00000234329.1	18	30	19	27	15
## ENSG00000159596.7	1961	2625	2199	2671	2268
## ENSG00000197429.11	1068	1378	1318	1424	1090
## ENSG00000230896.1	103	133	98	113	129
## ENSG00000236111.5	1	2	3	3	3
## ENSG00000086015.23	4245	4818	4699	5158	4814
## ENSG00000232467.2	1	4	0	0	2
## ENSG00000117461.15	5312	6575	5864	6205	6064
## ENSG00000278139.1	0	0	0	0	0
## ENSG00000226957.1	2	2	3	0	0
## ENSG00000233114.2	0	0	0	0	0
## ENSG00000227857.2	6	5	3	12	3
## ENSG00000117472.10	858	865	875	876	856
## ENSG00000250719.2	0	0	0	0	0
## ENSG00000085998.15	6036	7242	6417	7001	7723
## ENSG00000171357.6	8	6	9	10	17
## ENSG00000085999.13	1614	1684	1837	1764	1920
## ENSG00000132128.18	10008	12383	10999	12660	13311
## ENSG00000173660.12	14974	17970	17486	18648	20301
## ENSG00000117481.11	2076	2859	2514	2965	2628
## ENSG00000225779.1	0	0	0	0	0
## ENSG00000117480.16	637	644	755	683	641
## ENSG00000232022.10	0	0	1	0	1
## ENSG00000291138.1	5	4	2	5	4
## ENSG00000224863.3	0	0	0	0	1
## ENSG00000197587.12	0	0	0	1	1
## ENSG00000282881.3	0	0	0	1	1
## ENSG00000269956.2	7	1	5	6	4
## ENSG00000162456.10	1	1	1	0	1
## ENSG00000079277.22	1073	1257	1185	1439	1218
## ENSG00000142961.16	94	102	138	113	119
## ENSG00000123472.13	5159	5867	5834	5843	5989
## ENSG00000233647.2	0	0	0	1	0
## ENSG00000186118.9	3	4	3	4	2
## ENSG00000228237.5	0	1	0	0	0
## ENSG00000159658.15	4989	6250	5920	6507	5003
## ENSG00000236476.2	0	0	0	0	0
## ENSG00000142973.16	15	1	6	1	2
## ENSG00000290456.1	0	0	0	0	0
## ENSG00000154198.15	0	0	0	0	0
## ENSG00000238145.2	0	0	0	0	0
## ENSG00000187048.14	0	0	1	0	0
## ENSG00000259832.1	0	0	0	0	0
## ENSG00000261196.1	0	0	0	0	0
## ENSG00000261593.1	0	0	0	0	0
## ENSG00000261290.1	0	0	0	0	0
## ENSG00000186377.8	93	156	231	337	152
## ENSG00000186160.5	1	2	3	0	0
## ENSG00000225154.2	0	0	0	0	0
## ENSG00000225506.2	15	19	21	16	11

## ENSG00000162365.13	0	0	1	0	0
## ENSG00000225514.1	0	0	0	0	0
## ENSG00000224805.2	4	5	2	2	3
## ENSG00000290081.1	0	0	0	0	0
## ENSG00000162366.8	0	7	3	1	1
## ENSG00000162367.12	24	10	17	8	14
## ENSG00000226252.1	0	0	0	0	0
## ENSG00000123473.17	2203	2518	2589	2632	2313
## ENSG00000162368.15	13851	21601	17107	18686	16107
## ENSG00000225762.1	27	34	25	52	24
## ENSG00000186790.6	46	65	74	73	43
## ENSG00000237424.1	309	518	410	587	505
## ENSG00000186564.6	114	330	161	333	203
## ENSG00000271355.1	0	0	0	0	0
## ENSG00000229554.2	0	0	0	0	0
## ENSG00000227883.1	0	0	0	0	0
## ENSG00000227947.2	3	4	7	8	4
## ENSG00000269113.4	1026	967	1168	997	1244
## ENSG00000223814.1	0	0	0	0	0
## ENSG00000225028.1	2	7	6	7	6
## ENSG00000226133.6	0	1	3	1	3
## ENSG00000231413.1	0	0	0	0	0
## ENSG00000237180.1	0	0	0	0	0
## ENSG00000290466.1	1	0	2	3	0
## ENSG00000279096.2	0	0	1	3	0
## ENSG00000242267.7	0	1	0	0	2
## ENSG00000291246.1	1	1	0	0	0
## ENSG00000223720.2	2	3	3	2	3
## ENSG00000117834.13	13	10	10	10	15
## ENSG00000272491.1	0	4	0	0	3
## ENSG00000279214.1	2	0	0	0	0
## ENSG00000132122.12	952	1222	1119	1158	1053
## ENSG00000224986.2	0	1	2	5	4
## ENSG00000206700.1	0	0	0	0	0
## ENSG00000235105.1	21	26	21	23	23
## ENSG00000223175.1	0	0	0	0	0
## ENSG00000232514.1	0	0	0	0	0
## ENSG00000186094.18	8	9	20	23	22
## ENSG00000287661.1	0	0	0	0	0
## ENSG00000162373.13	403	358	419	350	506
## ENSG00000286597.1	0	0	0	0	0
## ENSG00000229846.2	0	0	0	0	0
## ENSG00000230114.1	0	0	0	0	0
## ENSG00000225623.1	0	0	0	0	0
## ENSG00000237478.2	0	0	0	0	0
## ENSG00000215887.5	0	0	0	0	0
## ENSG00000279324.1	0	0	0	0	0
## ENSG00000233595.2	0	0	0	0	0
## ENSG00000162374.18	232	100	253	73	191
## ENSG00000230828.1	0	0	0	0	0
## ENSG00000237337.1	0	0	0	0	0
## ENSG00000233407.1	0	0	0	0	0
## ENSG00000284696.2	0	0	0	0	0
## ENSG00000284645.1	2	0	0	0	2

## ENSG00000234080.3	0	0	0	2	1
## ENSG00000229316.1	0	0	1	0	2
## ENSG00000225671.2	0	0	2	0	1
## ENSG00000142700.12	3	3	2	2	0
## ENSG00000284700.2	0	0	0	0	0
## ENSG00000185104.21	3356	3536	3728	3449	3584
## ENSG00000225767.1	1	0	1	1	0
## ENSG00000207194.1	0	0	0	0	0
## ENSG00000230585.2	5	6	2	1	3
## ENSG00000237130.1	0	0	0	0	0
## ENSG00000123080.12	8	6	17	7	6
## ENSG00000290102.1	0	0	0	0	0
## ENSG00000265538.1	0	0	0	0	0
## ENSG00000275816.1	0	0	0	0	0
## ENSG00000204006.11	0	0	0	0	0
## ENSG00000200262.1	0	0	0	0	0
## ENSG00000213478.2	0	5	1	2	3
## ENSG00000203356.2	2	4	3	4	5
## ENSG00000123091.5	7146	9702	9020	8185	8326
## ENSG00000233406.5	17	13	23	21	37
## ENSG00000236434.2	0	0	1	0	0
## ENSG00000085831.16	841	923	1097	1035	991
## ENSG00000261664.5	3	3	1	2	4
## ENSG00000085832.18	3739	4607	4601	4321	3916
## ENSG00000232027.2	2	3	2	3	2
## ENSG00000206595.1	0	0	0	0	0
## ENSG00000238140.1	1	0	0	0	0
## ENSG00000227070.2	3	3	4	2	1
## ENSG00000252032.1	0	0	0	0	0
## ENSG00000227742.3	0	0	1	0	0
## ENSG00000293506.1	2	0	3	0	0
## ENSG00000117859.19	12092	15168	14734	15217	13885
## ENSG00000236973.2	0	0	0	0	0
## ENSG00000232846.1	0	0	0	0	0
## ENSG00000212624.1	0	0	0	0	0
## ENSG00000078618.23	16461	19358	18988	18083	17483
## ENSG00000266993.3	11	18	8	19	10
## ENSG00000272175.1	0	0	0	0	0
## ENSG00000283899.1	0	0	0	0	0
## ENSG00000230604.2	0	0	0	0	0
## ENSG00000169213.7	11582	13350	15085	13259	11076
## ENSG00000200839.1	0	1	0	0	0
## ENSG00000229032.1	0	0	0	0	0
## ENSG00000264613.2	0	0	0	0	0
## ENSG00000117862.13	1446	1766	1544	1934	1686
## ENSG00000285839.1	2	0	0	1	0
## ENSG00000198841.4	459	519	497	552	510
## ENSG00000223390.1	1	0	1	1	0
## ENSG00000228369.2	0	3	0	1	1
## ENSG00000134717.18	9068	11687	10743	11261	10797
## ENSG00000157077.16	5727	7066	6233	6512	5928
## ENSG00000241745.3	0	0	0	0	0
## ENSG00000228407.2	28	26	18	29	25
## ENSG00000223429.1	0	0	0	0	1

## ENSG00000224255.2	0	0	0	1	1
## ENSG00000236004.2	0	0	0	0	0
## ENSG00000237663.2	3	0	0	0	1
## ENSG00000213735.2	0	0	2	0	0
## ENSG00000154222.15	1918	2278	2041	2437	2319
## ENSG00000272100.1	0	2	4	8	1
## ENSG00000287078.1	12	6	13	19	8
## ENSG00000224680.4	19	22	23	26	24
## ENSG00000085840.13	2626	2548	2695	2576	2795
## ENSG00000134748.13	5502	6323	6047	5951	5962
## ENSG00000134744.14	4393	5489	5625	6540	4496
## ENSG00000272371.1	1	1	2	0	1
## ENSG00000236290.1	5	1	3	1	0
## ENSG00000116157.6	1423	1458	1493	1679	1917
## ENSG00000182183.15	12	20	27	17	16
## ENSG00000162377.6	2788	3150	3093	3137	3003
## ENSG00000233664.1	0	0	2	0	0
## ENSG00000239640.3	0	0	0	0	0
## ENSG00000162378.13	3524	5211	4608	5002	3695
## ENSG00000252018.1	0	0	0	0	1
## ENSG00000228929.1	109	99	103	160	156
## ENSG00000206627.1	0	0	0	0	0
## ENSG00000203995.11	32	61	61	72	33
## ENSG00000242391.2	0	0	1	0	0
## ENSG00000121310.17	520	917	705	995	752
## ENSG00000230953.2	2	3	4	8	2
## ENSG00000231866.2	0	0	0	0	0
## ENSG00000116171.19	4602	6599	5756	6577	5207
## ENSG00000264834.1	0	0	2	1	0
## ENSG00000266188.1	0	0	0	0	0
## ENSG00000265815.1	0	0	0	0	0
## ENSG00000237279.2	0	0	0	0	0
## ENSG00000236360.2	2	1	1	1	4
## ENSG00000226147.1	0	0	3	0	2
## ENSG00000174348.14	125	58	125	75	93
## ENSG00000232993.1	0	0	0	0	0
## ENSG00000227644.2	0	0	0	0	0
## ENSG00000162383.13	3	8	9	5	4
## ENSG00000235563.1	1	0	0	2	2
## ENSG00000277397.1	0	0	0	0	0
## ENSG00000157184.7	1665	2088	1838	2046	2002
## ENSG00000236723.2	5	8	11	11	4
## ENSG00000162384.14	1417	1556	1473	1663	1669
## ENSG00000259818.1	3	2	0	2	6
## ENSG00000162385.11	3337	3963	3987	4270	4398
## ENSG00000226754.3	32	32	29	22	26
## ENSG00000157193.18	1008	1042	1270	1188	1102
## ENSG00000234578.1	0	0	0	0	0
## ENSG00000228838.1	0	0	1	0	2
## ENSG00000232762.1	0	1	0	0	1
## ENSG00000225675.2	0	1	3	8	2
## ENSG00000285954.1	0	0	0	0	0
## ENSG00000226938.1	0	0	0	0	0
## ENSG00000230138.2	0	0	1	0	0

## ENSG00000293253.1	0	0	0	0	0
## ENSG00000236253.8	0	0	0	0	0
## ENSG00000288527.1	0	0	0	0	0
## ENSG00000143006.7	1	0	0	0	0
## ENSG00000174332.6	3	3	8	2	5
## ENSG00000239007.1	0	0	0	0	0
## ENSG00000058804.12	9525	11879	10736	10774	10347
## ENSG00000201003.1	0	0	1	0	0
## ENSG00000229687.2	0	0	0	0	0
## ENSG00000058799.15	2844	3398	3238	3424	3567
## ENSG00000211452.12	121	172	203	175	127
## ENSG00000081870.12	1149	1217	1239	1172	1314
## ENSG00000116212.16	5082	5764	5883	5925	6314
## ENSG00000219102.3	22	39	32	31	19
## ENSG00000203985.11	15	20	21	19	15
## ENSG00000116209.12	8923	12352	10644	12394	10974
## ENSG00000280378.1	1	2	4	2	4
## ENSG00000116205.14	1010	1266	1290	1326	1187
## ENSG00000283749.1	0	0	0	0	0
## ENSG00000225183.1	0	0	1	0	1
## ENSG00000256407.2	0	0	0	2	0
## ENSG00000157211.12	0	0	0	0	0
## ENSG00000280425.2	0	0	0	0	0
## ENSG00000215883.11	365	393	396	395	400
## ENSG00000116221.15	7898	8937	8421	8600	9801
## ENSG00000157216.17	7291	7982	8844	7819	9339
## ENSG00000198711.5	20	28	20	29	16
## ENSG00000225632.2	0	0	0	0	0
## ENSG00000232245.1	0	0	0	0	0
## ENSG00000287582.1	0	0	0	0	0
## ENSG00000235741.1	0	0	0	0	0
## ENSG00000237173.1	0	0	0	0	0
## ENSG00000227453.1	1	2	1	7	3
## ENSG00000162390.18	192	182	191	180	148
## ENSG00000162391.12	156	261	174	232	185
## ENSG00000230728.1	0	2	0	0	0
## ENSG00000184313.20	0	0	0	0	0
## ENSG00000271723.5	0	0	0	0	0
## ENSG00000243725.7	234	305	239	315	241
## ENSG00000162396.6	1042	1212	1204	1265	1319
## ENSG00000006555.11	42	67	55	91	46
## ENSG00000237453.1	0	0	0	1	0
## ENSG00000162398.12	1	0	0	0	0
## ENSG00000116133.13	49757	60363	50458	55135	63137
## ENSG00000287724.1	0	2	3	1	1
## ENSG00000242396.2	1	2	4	8	2
## ENSG00000233203.6	9	25	17	26	14
## ENSG00000284601.1	0	0	0	0	1
## ENSG00000143001.5	26	8	28	13	12
## ENSG00000233271.1	0	0	0	0	0
## ENSG00000162399.9	0	4	4	3	2
## ENSG00000169174.12	3843	4671	4241	4763	4840
## ENSG00000162402.15	7174	9220	8774	9650	7052
## ENSG00000231090.2	0	0	0	0	0

## ENSG00000231095.1	0	1	0	0	0
## ENSG00000265822.1	0	0	0	0	0
## ENSG00000234810.4	0	0	0	0	0
## ENSG00000231900.3	0	0	0	0	0
## ENSG00000232198.2	0	0	0	0	0
## ENSG00000199831.1	0	0	0	0	0
## ENSG00000252162.1	0	0	0	0	0
## ENSG00000272051.1	0	0	0	0	0
## ENSG00000233079.3	0	0	0	0	0
## ENSG00000230250.3	0	0	0	0	0
## ENSG00000227104.3	0	0	0	0	0
## ENSG00000235612.1	0	0	0	0	0
## ENSG00000260971.4	2	0	3	0	0
## ENSG00000284686.1	2	5	1	8	2
## ENSG00000229871.1	0	0	0	0	0
## ENSG00000223956.5	1	4	9	4	2
## ENSG00000162407.9	1168	1557	1342	1867	1380
## ENSG00000236776.1	0	0	0	2	0
## ENSG00000224980.1	0	0	1	0	0
## ENSG00000225475.1	3	1	1	2	3
## ENSG00000162409.12	1250	1591	1564	1633	1428
## ENSG00000187889.13	30	27	26	35	24
## ENSG00000229913.1	0	0	0	0	0
## ENSG00000157131.12	4	11	7	20	5
## ENSG00000021852.14	5	10	22	23	6
## ENSG00000236341.1	1	0	0	0	0
## ENSG00000173406.16	675	1161	856	1343	1009
## ENSG00000227935.1	0	0	0	0	0
## ENSG00000236888.1	0	0	0	0	0
## ENSG00000226759.8	0	0	0	1	0
## ENSG00000290536.1	0	0	1	0	0
## ENSG00000229887.5	0	0	0	0	0
## ENSG00000223416.3	2	3	3	4	5
## ENSG00000235038.1	0	0	0	0	0
## ENSG00000230546.1	0	0	0	0	0
## ENSG00000233216.1	0	0	0	0	0
## ENSG00000162600.12	721	908	819	860	760
## ENSG00000286918.1	8	7	6	8	3
## ENSG00000270209.1	0	0	0	0	0
## ENSG00000264128.2	0	0	0	0	0
## ENSG00000184292.7	405	260	441	305	384
## ENSG00000185839.3	21	19	25	25	25
## ENSG00000162601.12	1186	1636	1616	1935	979
## ENSG00000283445.1	0	0	1	0	0
## ENSG00000177606.9	3011	2954	3386	3096	3435
## ENSG00000290013.1	0	0	0	1	1
## ENSG00000234807.8	9	4	7	7	11
## ENSG00000272226.1	0	5	1	1	3
## ENSG00000231740.1	0	0	0	0	0
## ENSG00000232453.7	12	5	10	3	7
## ENSG00000237352.6	0	0	0	1	0
## ENSG00000228121.1	3	0	1	6	4
## ENSG00000241042.1	0	0	0	0	0
## ENSG00000235215.2	0	0	0	0	0

## ENSG00000224609.8	3	3	13	12	10
## ENSG00000270457.1	0	0	0	0	0
## ENSG00000172456.18	371	427	432	394	382
## ENSG00000266150.1	0	0	0	0	0
## ENSG00000226883.1	0	0	0	0	0
## ENSG00000134709.13	4121	4667	5170	4535	3790
## ENSG00000134716.11	91	78	94	77	101
## ENSG00000265535.2	0	0	0	0	0
## ENSG00000162598.13	4	6	5	6	2
## ENSG00000229332.2	1	0	0	0	0
## ENSG00000238242.2	0	0	0	0	0
## ENSG00000226476.7	2	9	4	4	5
## ENSG00000231252.4	0	0	0	1	0
## ENSG00000162599.18	24	22	35	28	22
## ENSG00000237928.6	0	0	0	0	0
## ENSG00000237853.6	0	0	0	0	0
## ENSG00000284808.1	0	0	0	0	0
## ENSG00000287224.1	0	0	0	0	0
## ENSG00000223920.2	0	0	0	0	0
## ENSG00000162604.13	777	977	837	954	854
## ENSG00000271200.1	1	0	1	2	2
## ENSG00000132849.22	5483	6825	6249	7000	4908
## ENSG00000200575.1	0	0	0	0	0
## ENSG00000212360.1	0	0	0	0	0
## ENSG00000236646.1	0	0	1	0	0
## ENSG00000242860.3	0	0	0	0	0
## ENSG00000263908.1	0	0	0	0	0
## ENSG00000283690.1	0	0	0	0	0
## ENSG00000234204.1	0	0	0	0	0
## ENSG00000234088.1	0	0	0	0	0
## ENSG00000240563.2	12309	17169	14167	15864	12619
## ENSG00000237227.1	1	6	2	5	3
## ENSG00000200174.1	0	0	0	0	0
## ENSG00000132854.19	3744	4389	4166	4561	3694
## ENSG00000201153.1	0	0	0	0	0
## ENSG00000162607.13	6940	7637	8389	7317	7066
## ENSG00000116641.18	6770	8510	8224	8958	7053
## ENSG00000270549.1	0	0	0	0	0
## ENSG00000132855.5	13	29	20	20	17
## ENSG00000278967.1	7	4	4	0	4
## ENSG00000213703.2	0	4	0	2	0
## ENSG00000235545.1	47	43	45	34	43
## ENSG00000125703.15	879	1059	1049	1034	960
## ENSG00000234318.1	4	0	1	3	2
## ENSG00000237163.1	0	0	0	0	0
## ENSG00000229537.7	0	0	0	0	0
## ENSG00000286455.1	0	0	0	0	0
## ENSG00000227485.1	0	0	0	0	0
## ENSG00000229225.1	0	0	0	0	0
## ENSG00000203605.3	0	0	0	0	0
## ENSG00000224209.8	0	0	0	0	0
## ENSG00000252259.1	0	0	0	0	0
## ENSG00000228734.2	0	0	0	0	0
## ENSG00000223683.1	0	0	0	0	0

## ENSG00000230798.7	0	1	0	0	1
## ENSG00000187140.6	0	1	0	0	0
## ENSG00000275836.1	0	0	0	0	0
## ENSG00000252784.1	0	0	0	0	0
## ENSG00000236674.1	0	0	4	0	0
## ENSG00000088035.18	1635	2068	1809	1829	1820
## ENSG00000142856.17	1651	1725	1710	1572	1756
## ENSG00000286429.1	1	0	2	0	0
## ENSG00000203965.13	468	559	522	607	534
## ENSG00000264271.2	0	0	0	0	0
## ENSG00000251720.1	1	2	3	4	1
## ENSG00000116652.6	7	20	12	10	5
## ENSG00000276884.1	0	0	0	0	0
## ENSG00000278287.1	0	0	0	0	0
## ENSG00000277565.1	0	0	0	0	0
## ENSG00000275823.1	0	0	0	0	0
## ENSG00000277689.1	0	0	0	0	0
## ENSG00000274199.1	0	0	0	0	0
## ENSG00000079739.17	3648	3918	4378	3947	4586
## ENSG00000244256.3	1	2	0	0	1
## ENSG00000185483.13	2294	2258	2667	2033	2331
## ENSG00000177452.7	0	2	0	2	2
## ENSG00000228056.3	1	3	1	0	2
## ENSG00000207190.1	0	0	0	0	0
## ENSG00000200508.1	0	0	0	0	0
## ENSG00000223949.8	0	0	0	1	0
## ENSG00000284928.1	0	2	2	0	0
## ENSG00000177414.14	0	0	4	0	0
## ENSG00000238653.1	0	0	0	0	0
## ENSG00000158966.16	5455	5009	6172	5199	5376
## ENSG00000264470.1	0	0	0	0	0
## ENSG00000162437.15	3331	3783	3908	3818	3240
## ENSG00000162434.14	5106	5941	5735	5655	5202
## ENSG00000234784.2	0	0	0	0	0
## ENSG00000233877.2	1	0	0	0	0
## ENSG00000226891.9	0	0	1	4	4
## ENSG00000185031.6	0	0	0	0	2
## ENSG00000272506.1	0	0	0	0	0
## ENSG00000212257.1	0	0	0	1	0
## ENSG00000265996.1	0	0	7	0	1
## ENSG00000199135.1	0	0	0	0	0
## ENSG00000288804.1	0	0	1	2	0
## ENSG00000235804.2	0	0	0	0	0
## ENSG00000234496.2	0	0	2	1	1
## ENSG00000162433.15	8401	13735	10498	14033	10257
## ENSG00000231622.1	0	0	0	0	0
## ENSG00000116675.16	1238	1425	1570	1500	1385
## ENSG00000229294.1	0	0	1	1	0
## ENSG00000234144.1	0	0	0	0	0
## ENSG00000290094.1	1	1	0	0	0
## ENSG00000222624.1	0	0	0	0	0
## ENSG00000213625.9	4195	6497	4966	6531	4977
## ENSG00000116678.20	1080	1562	1400	1304	1230
## ENSG00000237852.1	2	3	0	8	6

## ENSG00000224570.1	1	0	0	0	0
## ENSG00000285079.1	0	0	0	0	0
## ENSG00000239319.3	0	0	0	0	0
## ENSG00000184588.18	34	49	55	52	52
## ENSG00000227466.1	0	0	0	0	0
## ENSG00000223152.1	0	0	0	0	0
## ENSG00000118473.23	67	55	74	43	55
## ENSG00000264720.3	0	0	0	0	0
## ENSG00000248458.2	0	0	0	0	0
## ENSG00000152760.10	63	57	83	36	49
## ENSG00000172410.5	1	0	1	1	2
## ENSG00000152763.17	431	467	444	435	382
## ENSG00000231080.1	0	0	0	0	0
## ENSG00000198160.15	2982	4304	3696	3814	3168
## ENSG00000289394.1	4	6	9	10	11
## ENSG00000116704.8	3103	5582	3664	5466	3205
## ENSG00000203963.12	7	21	10	17	10
## ENSG00000252433.1	0	0	0	0	0
## ENSG00000275678.1	7	14	6	7	5
## ENSG00000162594.17	18	9	15	10	9
## ENSG00000253074.1	0	0	0	0	0
## ENSG00000252116.1	0	0	0	0	0
## ENSG00000228523.1	1	2	0	0	0
## ENSG00000081985.14	15	23	35	25	18
## ENSG00000142864.15	48328	56608	55337	48621	51037
## ENSG00000223263.1	0	2	1	1	1
## ENSG00000235200.5	0	0	0	0	0
## ENSG00000207504.1	0	0	0	0	0
## ENSG00000238139.2	0	0	0	0	0
## ENSG00000242482.3	0	0	0	0	0
## ENSG00000232048.2	0	0	0	0	0
## ENSG00000116717.13	3794	5132	4892	5703	5219
## ENSG00000172380.6	5273	7546	5978	6159	5974
## ENSG00000238778.1	0	0	0	0	0
## ENSG00000232284.9	83	103	99	100	117
## ENSG00000235055.3	0	1	0	0	2
## ENSG00000162595.8	77	60	79	58	108
## ENSG00000228431.1	1	0	2	1	0
## ENSG00000116729.14	20073	22164	22321	21389	23736
## ENSG00000234383.1	6	11	11	10	13
## ENSG00000221203.1	0	0	0	0	0
## ENSG00000229133.1	23	19	14	26	41
## ENSG00000225242.2	0	0	0	0	0
## ENSG00000237622.1	0	0	0	0	0
## ENSG00000229440.1	0	0	0	0	0
## ENSG00000116745.7	0	2	1	0	0
## ENSG00000024526.17	2955	3659	3437	3625	3249
## ENSG00000233589.1	5	9	17	15	9
## ENSG00000234264.1	3	4	8	11	11
## ENSG00000225167.1	0	0	0	0	0
## ENSG00000285041.1	2	4	3	6	5
## ENSG00000285407.1	5	2	3	10	4
## ENSG00000285473.1	0	2	0	0	1
## ENSG00000223883.2	9	6	10	18	12

## ENSG00000235446.2	0	0	0	0	0
## ENSG00000229639.1	3	3	4	4	1
## ENSG00000287453.1	0	0	2	0	0
## ENSG00000033122.21	1172	1307	1469	1289	1429
## ENSG00000270615.1	0	0	0	0	0
## ENSG00000287283.1	3	4	0	0	1
## ENSG00000240692.3	0	0	0	4	0
## ENSG00000293134.1	0	0	0	0	0
## ENSG00000229359.3	0	0	0	0	0
## ENSG00000237919.5	3	5	0	5	3
## ENSG00000066557.6	4190	4912	4614	4471	3834
## ENSG00000244389.3	0	0	0	0	0
## ENSG00000116754.14	13721	18688	17702	17289	15470
## ENSG00000228988.1	1	0	0	0	0
## ENSG00000118454.13	2076	2888	2437	2660	2123
## ENSG00000197568.15	364	424	419	416	494
## ENSG00000226088.1	21	9	16	18	17
## ENSG00000116761.12	1631	2044	1938	2220	1774
## ENSG00000278636.1	0	0	0	0	0
## ENSG00000271992.1	20	48	34	39	24
## ENSG00000233020.1	2	1	1	2	0
## ENSG00000237033.2	0	0	0	0	0
## ENSG00000229051.2	0	0	1	0	0
## ENSG00000226208.1	0	0	0	0	0
## ENSG00000050628.21	62	33	70	22	38
## ENSG00000235782.1	0	0	0	0	0
## ENSG00000235079.1	1	4	1	3	1
## ENSG00000132485.14	6572	8647	7933	7680	7401
## ENSG00000207721.1	3	18	14	7	0
## ENSG00000229956.11	38	46	32	45	26
## ENSG00000226324.1	0	0	0	0	0
## ENSG00000172260.15	287	286	362	233	255
## ENSG00000231985.1	0	0	0	0	0
## ENSG00000271618.1	0	0	0	0	0
## ENSG00000228853.1	0	0	0	0	0
## ENSG00000233994.2	10	14	14	9	17
## ENSG00000286863.2	3	12	5	3	7
## ENSG00000227207.2	0	1	0	0	0
## ENSG00000225087.2	2	1	1	1	2
## ENSG00000212366.1	0	0	0	0	0
## ENSG00000227016.3	0	0	0	0	0
## ENSG00000285808.1	0	0	0	0	0
## ENSG00000280317.1	0	0	0	0	0
## ENSG00000229636.2	3	1	5	0	7
## ENSG00000251825.1	0	0	0	0	0
## ENSG00000233973.7	0	1	0	0	0
## ENSG00000223479.3	0	0	1	1	1
## ENSG00000200601.1	0	0	0	0	0
## ENSG00000285778.2	0	0	0	0	0
## ENSG00000252005.2	0	0	0	0	0
## ENSG00000162620.16	61	101	72	76	88
## ENSG00000259030.8	5	15	3	13	7
## ENSG00000254685.8	804	1105	901	987	790
## ENSG00000116783.15	4	2	4	3	3

## ENSG00000237324.3	1	0	0	0	0
## ENSG00000233894.1	0	0	1	7	0
## ENSG00000162621.7	2	11	1	4	0
## ENSG00000178965.14	69	30	113	45	56
## ENSG00000234497.5	2	0	0	4	1
## ENSG00000272864.1	9	16	9	6	16
## ENSG00000116791.14	4762	7251	5817	6942	5585
## ENSG00000162623.16	2199	3068	2577	2662	2443
## ENSG00000229943.1	0	0	0	0	0
## ENSG00000261213.1	0	0	0	0	0
## ENSG00000224127.1	1	1	0	9	1
## ENSG00000162624.16	1	2	1	2	0
## ENSG00000224149.1	1	4	1	6	2
## ENSG00000206999.1	0	0	0	0	0
## ENSG00000137968.17	494	558	532	533	581
## ENSG00000224493.1	0	0	0	0	0
## ENSG00000252338.1	0	0	0	0	0
## ENSG00000213579.3	5	6	3	6	6
## ENSG00000293044.1	5	2	0	0	0
## ENSG00000230863.4	0	0	0	0	0
## ENSG00000117054.15	4180	5118	4771	4680	4346
## ENSG00000181227.3	0	0	0	0	0
## ENSG00000137955.16	4012	4885	4909	5398	4301
## ENSG00000206620.1	0	0	0	0	0
## ENSG00000207241.1	0	0	0	0	0
## ENSG00000201487.1	0	0	0	0	0
## ENSG00000057468.7	2	5	6	3	10
## ENSG00000154007.7	1	0	5	0	1
## ENSG00000225605.3	0	0	0	0	0
## ENSG00000230027.2	2	1	1	1	5
## ENSG00000184005.12	2252	3597	2639	3351	2778
## ENSG00000223905.1	0	0	0	0	0
## ENSG00000272855.1	7	7	9	12	4
## ENSG00000226415.1	207	213	181	189	343
## ENSG00000199921.1	0	0	0	0	0
## ENSG00000237552.1	0	0	0	0	0
## ENSG00000117069.15	1157	577	1270	448	858
## ENSG00000276081.1	0	0	0	0	0
## ENSG00000288543.1	3	4	1	4	5
## ENSG00000230498.3	6	8	2	7	1
## ENSG00000142892.15	2761	3791	3135	3088	3074
## ENSG00000226084.5	151	213	217	201	249
## ENSG00000228187.1	0	0	1	0	0
## ENSG00000289212.1	6	7	11	8	5
## ENSG00000287870.1	2	1	5	6	1
## ENSG00000154027.19	197	64	187	71	167
## ENSG00000233099.1	0	0	0	0	0
## ENSG00000251767.1	0	0	0	0	0
## ENSG00000287647.1	0	0	0	2	0
## ENSG00000036549.13	4970	6262	5977	6303	5062
## ENSG00000251785.1	0	0	2	0	0
## ENSG00000243437.3	0	0	0	0	0
## ENSG00000077254.14	7972	9731	9032	9266	8625
## ENSG00000232672.1	0	0	0	2	0

## ENSG00000180488.17	892	1150	1176	1176	804
## ENSG00000222849.1	0	0	0	0	0
## ENSG00000219201.4	40	44	33	34	29
## ENSG00000235613.2	1	1	0	0	0
## ENSG00000232015.2	0	0	0	0	0
## ENSG00000235927.4	3	8	13	15	6
## ENSG00000162614.19	1150	1418	1448	1310	1179
## ENSG00000162613.18	13964	17671	17417	17925	15939
## ENSG00000162616.9	1053	1552	1362	1296	1106
## ENSG00000137960.6	731	903	915	913	676
## ENSG00000273338.1	2	8	1	7	4
## ENSG00000285928.1	13	20	15	10	15
## ENSG00000213561.4	3	1	5	3	3
## ENSG00000251958.1	0	0	0	0	0
## ENSG00000213560.4	0	1	1	8	5
## ENSG00000202263.1	0	0	0	0	0
## ENSG00000233333.2	1	0	3	1	2
## ENSG00000237413.5	0	0	0	0	2
## ENSG00000122420.10	2	8	0	6	5
## ENSG00000227556.1	0	0	0	0	0
## ENSG00000212308.1	0	0	0	0	0
## ENSG00000137959.17	3	0	3	0	2
## ENSG00000137965.11	0	0	0	0	0
## ENSG00000238015.2	0	0	0	0	0
## ENSG00000235400.1	0	0	5	2	2
## ENSG00000162618.15	11	27	16	28	14
## ENSG00000230787.1	7	16	5	9	13
## ENSG00000282898.1	0	0	0	0	0
## ENSG00000235011.2	0	0	0	0	0
## ENSG00000285462.1	0	0	0	0	0
## ENSG00000288822.2	0	0	0	0	0
## ENSG00000232676.1	2	1	0	2	3
## ENSG00000285409.1	0	0	0	0	0
## ENSG00000235756.2	0	0	0	0	0
## ENSG00000260322.1	0	0	0	0	0
## ENSG00000277670.1	0	0	0	0	0
## ENSG00000236407.1	0	0	0	0	0
## ENSG00000225598.1	0	0	0	0	0
## ENSG00000213559.4	0	1	1	0	0
## ENSG00000227062.2	0	0	0	0	0
## ENSG00000234108.1	0	0	0	2	0
## ENSG00000224326.1	0	1	0	0	0
## ENSG00000234184.8	0	0	1	1	0
## ENSG00000227937.1	0	0	0	0	0
## ENSG00000229752.1	3	2	3	11	7
## ENSG00000235089.1	1	2	3	1	4
## ENSG00000285179.1	0	0	0	0	0
## ENSG00000223026.1	0	0	0	0	0
## ENSG00000117114.21	14371	15592	16335	15550	15573
## ENSG00000224494.1	0	0	1	0	1
## ENSG00000227288.3	30	30	30	26	36
## ENSG00000227960.1	0	0	0	0	1
## ENSG00000234953.2	0	0	0	0	0
## ENSG00000242598.1	0	0	0	0	0

## ENSG00000236676.1	1	0	2	2	1
## ENSG00000234683.1	0	0	0	0	0
## ENSG00000215875.4	0	0	0	1	1
## ENSG00000233290.4	2	0	0	0	0
## ENSG00000230817.6	0	0	0	0	0
## ENSG00000236268.6	1	2	2	1	1
## ENSG00000285782.2	0	0	0	1	0
## ENSG00000231364.3	0	0	0	0	0
## ENSG00000233008.8	4	5	6	2	8
## ENSG00000237076.2	0	0	0	0	0
## ENSG00000137941.17	1187	1296	1479	1144	986
## ENSG00000233061.1	0	0	1	0	0
## ENSG00000229486.2	0	0	0	0	0
## ENSG00000285201.1	2	0	1	0	0
## ENSG00000271576.2	35	51	56	46	58
## ENSG00000142875.21	6046	7803	7390	6876	6038
## ENSG00000213540.3	1	0	0	0	0
## ENSG00000226970.2	6	6	8	8	5
## ENSG00000199959.1	0	1	0	0	0
## ENSG00000203943.9	199	217	238	169	229
## ENSG00000249237.6	0	0	0	0	0
## ENSG00000293445.1	0	1	0	0	0
## ENSG00000293446.1	2	4	1	0	0
## ENSG00000240520.8	0	0	1	0	0
## ENSG00000137976.8	3	6	1	4	1
## ENSG00000285361.1	2	5	0	0	2
## ENSG00000117133.11	3848	4184	4080	4382	4183
## ENSG00000174021.12	3511	4017	3826	3385	4883
## ENSG00000285851.1	3	2	5	4	5
## ENSG00000122432.19	10	16	10	15	5
## ENSG00000117151.13	568	833	752	693	656
## ENSG00000284882.2	4	2	7	1	5
## ENSG00000285374.1	0	0	0	0	0
## ENSG00000289881.1	17	20	9	11	13
## ENSG00000180869.4	1	0	2	3	2
## ENSG00000232622.1	1	0	0	0	0
## ENSG00000117155.17	4538	4902	5351	4422	4653
## ENSG00000285325.1	0	0	0	0	0
## ENSG00000171517.6	397	620	513	637	429
## ENSG00000153898.13	39	75	44	55	50
## ENSG00000162643.13	770	973	837	925	861
## ENSG00000055732.13	173	396	245	445	211
## ENSG00000266110.1	1	0	0	0	1
## ENSG00000280099.1	38	49	66	64	39
## ENSG00000097096.10	694	815	865	816	643
## ENSG00000162642.14	1288	1609	1440	1619	1391
## ENSG00000223254.1	0	0	0	9	0
## ENSG00000142867.14	1077	1517	1345	1556	1184
## ENSG00000223653.6	10	14	16	14	12
## ENSG00000153904.21	3038	3925	3909	3554	3590
## ENSG00000199459.1	0	0	0	0	0
## ENSG00000273264.1	0	1	0	0	0
## ENSG00000282057.1	21	31	17	17	24
## ENSG00000272691.1	0	1	0	0	1

## ENSG00000142871.18	5117	6243	5875	5744	6307
## ENSG00000199934.1	0	0	0	0	0
## ENSG00000230285.1	0	0	0	1	0
## ENSG00000117174.11	2808	3932	3545	4044	3335
## ENSG00000171502.15	435	1105	582	1164	605
## ENSG00000201620.1	0	0	0	0	0
## ENSG00000229505.1	0	0	0	0	0
## ENSG00000285210.1	6	7	4	10	9
## ENSG00000122417.16	2094	3062	2490	2793	2192
## ENSG00000278281.1	1	2	1	0	0
## ENSG00000231349.2	0	0	0	0	0
## ENSG00000137975.8	8	24	5	11	13
## ENSG00000016490.16	149	642	276	780	125
## ENSG00000016602.9	0	0	0	0	0
## ENSG00000224466.1	0	0	2	0	0
## ENSG00000236915.3	17	30	23	23	21
## ENSG00000291014.1	0	0	0	1	0
## ENSG00000153923.11	0	0	0	0	0
## ENSG00000097033.15	6034	8415	7450	7687	6884
## ENSG00000230721.1	5	3	3	8	11
## ENSG00000284846.1	0	0	0	0	0
## ENSG00000183291.18	9075	12940	10204	12574	11147
## ENSG00000153936.18	6698	9316	8159	8040	7358
## ENSG00000267734.1	3	0	0	0	0
## ENSG00000267561.2	0	1	1	2	0
## ENSG00000235251.2	3	7	3	7	9
## ENSG00000225568.1	5	5	1	3	4
## ENSG00000267272.5	22	28	33	29	25
## ENSG00000284240.1	0	0	0	0	0
## ENSG00000143013.13	7315	14617	9277	14434	10659
## ENSG00000227290.2	0	2	1	2	0
## ENSG00000199318.1	0	0	0	0	0
## ENSG00000237505.8	43	88	60	93	49
## ENSG00000279778.1	2	5	3	3	0
## ENSG00000270507.1	0	0	0	0	0
## ENSG00000286758.1	0	2	0	1	0
## ENSG00000239504.3	0	0	0	0	0
## ENSG00000230053.2	0	0	0	0	0
## ENSG00000274321.1	0	0	0	0	0
## ENSG00000237959.1	0	0	0	0	0
## ENSG00000065243.20	5134	7366	6522	7144	5177
## ENSG00000207234.1	1	0	2	6	2
## ENSG00000241975.1	9	13	8	18	8
## ENSG00000137947.12	2069	2721	2282	2748	2367
## ENSG00000235308.1	5	2	6	5	5
## ENSG00000137944.18	3586	4353	3804	4063	4022
## ENSG00000213516.10	1717	2137	1973	1923	1793
## ENSG00000117226.12	92	178	160	169	75
## ENSG00000202385.1	0	0	0	0	0
## ENSG00000117228.11	82	115	273	177	88
## ENSG00000234518.2	62	96	95	77	106
## ENSG00000162645.13	49	138	144	160	82
## ENSG00000289582.1	0	0	0	0	0
## ENSG00000286802.1	0	0	0	0	0

## ENSG00000213512.3	0	0	0	0	0
## ENSG00000162654.9	2	42	23	41	52
## ENSG00000284734.1	0	0	0	0	0
## ENSG00000284637.1	0	0	0	0	0
## ENSG00000289712.1	0	0	0	0	0
## ENSG00000154451.15	1	1	1	0	0
## ENSG00000237568.1	0	0	0	0	0
## ENSG00000238081.1	0	0	0	2	0
## ENSG00000233235.1	0	0	1	0	0
## ENSG00000183347.15	8	4	1	5	0
## ENSG00000215874.3	0	1	0	0	0
## ENSG00000290525.1	0	0	0	1	2
## ENSG00000225492.7	0	1	0	0	1
## ENSG00000286548.1	37	54	48	55	50
## ENSG00000197147.15	2622	3549	3126	3371	2812
## ENSG00000288629.1	0	0	0	0	0
## ENSG00000231999.8	36	28	49	35	35
## ENSG00000230735.1	0	0	0	0	0
## ENSG00000171488.15	376	473	504	497	510
## ENSG00000271949.1	0	0	0	0	0
## ENSG00000226394.2	0	0	0	0	0
## ENSG00000231613.1	0	0	0	0	0
## ENSG00000272931.1	33	49	45	60	62
## ENSG00000171492.14	5520	7265	6509	7287	6449
## ENSG00000272672.1	0	5	0	2	0
## ENSG00000252797.1	2	1	2	0	1
## ENSG00000228175.3	67	90	96	94	86
## ENSG00000162664.17	3534	4845	4294	4575	4067
## ENSG00000287015.1	0	0	1	0	0
## ENSG00000287406.1	21	14	17	9	9
## ENSG00000212459.1	1	0	1	0	0
## ENSG00000287372.1	0	0	0	0	0
## ENSG00000229201.1	0	0	0	0	1
## ENSG00000199666.2	0	0	0	0	0
## ENSG00000143032.8	0	0	0	0	0
## ENSG00000287076.1	0	0	0	0	0
## ENSG00000233593.12	68	108	108	131	127
## ENSG00000285532.2	0	5	5	2	1
## ENSG00000225446.3	0	0	1	1	0
## ENSG00000272094.1	0	0	0	0	0
## ENSG00000232882.1	11	13	11	16	8
## ENSG00000122482.22	5874	8058	7028	7646	5506
## ENSG00000232393.1	2	1	5	1	4
## ENSG00000162669.16	54	70	67	60	48
## ENSG00000206817.1	0	0	0	0	0
## ENSG00000215873.2	2	1	2	0	1
## ENSG00000097046.13	2456	2899	2902	2855	2596
## ENSG00000241318.3	3	0	2	1	1
## ENSG00000229067.1	3	1	3	3	6
## ENSG00000203914.4	12	19	20	33	22
## ENSG00000069702.11	1541	2295	1923	2370	2152
## ENSG00000239794.3	0	0	0	0	0
## ENSG00000137948.19	0	0	0	0	0
## ENSG00000289483.1	44	54	45	61	59

## ENSG00000172031.7	57	95	62	98	111
## ENSG00000233228.1	0	0	0	0	0
## ENSG00000230667.7	122	80	103	129	122
## ENSG00000189195.15	359	420	453	464	336
## ENSG00000224678.3	1	1	0	0	0
## ENSG00000233401.1	0	0	0	0	0
## ENSG00000273487.1	1	1	3	2	4
## ENSG00000226773.1	0	0	0	0	0
## ENSG00000203910.9	0	2	3	6	4
## ENSG00000233125.3	0	0	0	0	0
## ENSG00000174842.17	1468	1982	1653	1780	1647
## ENSG00000122484.9	2390	3190	2561	3174	2602
## ENSG00000242764.3	0	0	0	0	0
## ENSG00000162676.13	17	21	13	20	25
## ENSG00000067208.17	1738	2898	2458	3105	1936
## ENSG00000223787.2	1	3	2	1	2
## ENSG00000229992.1	0	0	0	0	0
## ENSG00000201317.1	0	0	0	0	0
## ENSG00000225505.1	0	0	0	0	0
## ENSG00000234202.2	0	0	0	0	0
## ENSG00000223896.2	0	0	0	0	0
## ENSG00000122406.14	135473	165464	154407	161582	179768
## ENSG00000154511.12	916	1251	1142	1098	1014
## ENSG00000206680.1	0	0	0	0	0
## ENSG00000207523.1	6	4	12	7	8
## ENSG00000207022.1	0	1	0	1	0
## ENSG00000293223.1	2	2	0	0	0
## ENSG00000229052.3	0	0	0	0	0
## ENSG00000289544.1	0	0	0	0	0
## ENSG00000252121.1	0	0	0	0	0
## ENSG00000239710.3	0	0	0	0	0
## ENSG00000287797.1	0	0	0	0	1
## ENSG00000252752.1	0	0	0	0	0
## ENSG00000222664.1	0	0	0	0	0
## ENSG00000251837.1	0	0	0	0	0
## ENSG00000143033.18	5623	7336	6939	6902	5829
## ENSG00000117500.13	7909	12032	9885	9753	8612
## ENSG00000122483.18	752	973	878	987	741
## ENSG00000237003.1	0	0	0	1	1
## ENSG00000225297.1	0	0	0	0	0
## ENSG00000223745.8	165	231	203	225	165
## ENSG00000229567.1	12	13	6	19	13
## ENSG00000117505.13	5043	6619	5957	6089	5708
## ENSG00000229635.1	3	3	4	2	0
## ENSG00000207379.1	0	0	0	0	0
## ENSG00000137942.18	17966	23145	22173	22156	17568
## ENSG00000212601.1	0	0	0	0	0
## ENSG00000137936.18	879	1094	1050	1268	1040
## ENSG00000224093.7	163	165	142	175	169
## ENSG00000211575.3	0	0	0	0	0
## ENSG00000260464.1	16	24	27	23	23
## ENSG00000067334.14	7380	8934	8131	8152	7910
## ENSG00000023909.10	2384	3517	3100	2808	2554
## ENSG00000223490.2	0	0	0	0	0

## ENSG00000234099.1	0	4	0	0	0
## ENSG00000235794.1	0	0	0	0	0
## ENSG00000232752.1	0	0	0	0	0
## ENSG00000229842.2	0	0	0	0	0
## ENSG00000250890.1	0	0	0	0	0
## ENSG00000236689.1	0	0	0	0	0
## ENSG00000226960.1	0	0	1	0	0
## ENSG00000233129.1	0	0	0	0	0
## ENSG00000198691.14	44	86	47	55	34
## ENSG00000233482.1	0	0	0	0	0
## ENSG00000137962.13	2797	4610	3745	4818	3119
## ENSG00000264963.2	0	0	0	0	0
## ENSG00000226835.4	11	14	21	11	10
## ENSG00000178596.10	0	0	0	0	0
## ENSG00000236098.1	0	0	0	0	0
## ENSG00000232918.2	0	0	0	0	0
## ENSG00000286692.1	3	1	2	1	0
## ENSG00000117528.14	8812	11394	10870	10826	10466
## ENSG00000117525.14	4344	3970	5439	4411	4349
## ENSG00000288736.2	42	22	40	29	34
## ENSG00000223675.1	4	1	2	4	4
## ENSG00000293271.1	804	1115	944	1139	889
## ENSG00000232857.2	0	0	0	0	0
## ENSG00000224081.11	2	5	2	5	3
## ENSG00000263526.1	0	0	0	0	1
## ENSG00000143036.17	4278	6698	4887	6769	5427
## ENSG00000117519.16	30422	35464	36102	35574	36790
## ENSG00000235501.8	1087	859	1232	960	1317
## ENSG00000172339.10	658	823	724	800	821
## ENSG00000230427.1	0	0	0	0	0
## ENSG00000152078.10	3440	5391	4234	3987	3884
## ENSG00000271092.5	44	58	42	48	29
## ENSG00000231992.1	4	3	0	3	2
## ENSG00000206679.1	0	0	0	0	0
## ENSG00000226026.7	14	19	13	16	14
## ENSG00000122481.17	210	297	238	311	232
## ENSG00000228852.6	15	11	10	17	7
## ENSG00000287919.1	3	11	5	4	14
## ENSG00000228504.1	0	0	0	0	0
## ENSG00000230434.3	0	0	0	0	0
## ENSG00000237954.7	10	7	9	13	7
## ENSG00000233907.1	0	0	0	0	0
## ENSG00000228971.4	1	3	0	3	2
## ENSG00000271252.1	1	1	0	2	0
## ENSG00000237435.10	0	0	0	0	0
## ENSG00000200800.1	0	0	0	0	0
## ENSG00000231987.1	0	0	0	0	0
## ENSG00000225923.1	0	0	0	0	0
## ENSG00000234422.1	0	0	0	0	0
## ENSG00000228502.1	491	589	533	884	929
## ENSG00000241992.3	0	0	0	0	0
## ENSG00000234226.5	0	0	0	0	0
## ENSG00000137970.7	795	1073	1062	1126	1204
## ENSG00000223229.1	0	0	0	0	0

## ENSG00000117569.20	2457	2618	3112	2797	2391
## ENSG00000188641.14	242	210	355	195	310
## ENSG00000232878.3	0	0	0	0	0
## ENSG00000232542.1	0	0	0	0	0
## ENSG00000228057.1	30	44	43	41	36
## ENSG00000226128.1	0	0	0	0	0
## ENSG00000230718.1	0	0	0	0	0
## ENSG00000235777.1	0	0	0	0	0
## ENSG00000270911.1	0	0	0	0	0
## ENSG00000225206.12	29	21	24	10	27
## ENSG00000259946.1	0	0	0	1	2
## ENSG00000284247.1	0	0	0	0	0
## ENSG00000284202.1	0	0	0	0	0
## ENSG00000288810.1	0	0	0	0	0
## ENSG00000285922.1	12	4	12	2	5
## ENSG00000233557.2	0	0	0	0	0
## ENSG00000226053.1	54	46	43	30	39
## ENSG00000280040.1	3	0	1	1	3
## ENSG00000162627.17	2994	3353	3097	3150	3081
## ENSG00000117598.14	259	118	297	100	269
## ENSG00000232825.3	0	0	0	0	0
## ENSG00000227034.1	4	5	7	7	10
## ENSG00000117600.14	37	29	42	37	41
## ENSG00000233983.2	1	0	0	0	0
## ENSG00000224445.3	4	4	7	8	13
## ENSG00000099260.12	4821	4560	4966	4282	5500
## ENSG00000223656.1	3	5	2	4	1
## ENSG00000156869.14	675	959	888	883	658
## ENSG00000201491.1	0	0	0	0	0
## ENSG00000202254.1	0	0	0	0	0
## ENSG00000231996.1	0	0	0	0	0
## ENSG00000162688.17	3267	4519	4153	4138	3222
## ENSG00000228084.3	7	7	5	2	5
## ENSG00000117620.15	739	1046	980	941	710
## ENSG00000283761.1	22	16	19	23	17
## ENSG00000212248.1	0	0	0	0	0
## ENSG00000202259.1	0	0	0	1	0
## ENSG00000288826.1	13	19	20	28	18
## ENSG00000156875.14	283	403	314	389	319
## ENSG00000241073.1	0	0	0	1	0
## ENSG00000156876.10	1137	1317	1318	1220	1011
## ENSG00000226952.1	0	1	1	0	3
## ENSG00000122435.11	645	917	824	837	739
## ENSG00000122477.14	13	20	26	32	17
## ENSG00000137992.15	3114	4384	4032	4093	3252
## ENSG00000271415.1	4	1	0	3	2
## ENSG00000225169.1	0	0	0	0	0
## ENSG00000285530.1	0	6	2	4	3
## ENSG00000230287.3	0	1	0	0	1
## ENSG00000224616.5	78	84	115	70	86
## ENSG00000137996.13	2694	3369	3193	3332	3125
## ENSG00000207750.1	0	0	0	0	0
## ENSG00000215871.2	2	2	0	0	3
## ENSG00000223906.1	0	0	0	0	0

## ENSG00000079335.20	809	934	1004	1034	773
## ENSG00000234332.1	0	1	1	1	2
## ENSG00000228086.1	0	1	1	0	1
## ENSG00000181656.7	1	2	2	0	3
## ENSG00000213421.4	0	0	0	0	0
## ENSG00000230402.2	0	0	0	0	0
## ENSG00000285525.1	0	0	0	0	0
## ENSG00000224685.1	0	0	0	0	0
## ENSG00000162692.12	66	53	63	58	61
## ENSG00000162694.14	2986	3626	3441	3602	3328
## ENSG00000273204.1	10	11	17	3	4
## ENSG00000162695.12	2351	3114	2944	3400	2489
## ENSG00000230946.3	2	1	0	0	1
## ENSG00000117543.22	3899	4590	4248	4356	4402
## ENSG00000235795.1	7	9	16	6	6
## ENSG00000233184.9	244	294	251	311	258
## ENSG00000252765.1	0	0	0	0	0
## ENSG00000289355.2	0	0	0	0	0
## ENSG00000271578.1	0	0	0	0	0
## ENSG00000225938.3	0	0	0	0	0
## ENSG00000170989.10	21	10	11	32	25
## ENSG00000228399.1	4	3	3	7	5
## ENSG00000173810.9	0	0	0	0	0
## ENSG00000231671.1	0	1	0	0	0
## ENSG00000226715.4	0	1	1	0	1
## ENSG00000252530.1	0	0	0	0	0
## ENSG00000183298.5	29	35	39	51	75
## ENSG00000118733.17	14	18	18	22	32
## ENSG00000252717.1	0	0	0	0	0
## ENSG00000271277.1	0	0	0	0	0
## ENSG00000162699.5	0	0	0	0	0
## ENSG00000289192.1	0	0	0	0	0
## ENSG00000233359.2	0	0	0	0	0
## ENSG00000230864.1	0	0	0	0	0
## ENSG00000060718.22	1026	1912	1597	2019	1307
## ENSG00000234257.1	0	0	0	0	0
## ENSG00000230759.1	0	0	0	0	0
## ENSG00000224613.7	2	1	1	0	0
## ENSG00000222069.1	0	0	0	0	0
## ENSG00000185946.16	357	416	407	451	353
## ENSG00000240038.8	12	38	29	40	24
## ENSG00000236085.1	0	0	0	0	0
## ENSG00000243480.8	0	0	0	0	0
## ENSG00000237763.10	0	0	1	0	2
## ENSG00000234441.1	0	0	0	0	0
## ENSG00000174876.17	0	0	0	0	0
## ENSG00000227408.1	0	0	0	0	0
## ENSG00000187733.7	0	0	0	0	0
## ENSG00000225191.1	0	0	0	0	0
## ENSG00000293061.1	0	0	0	0	0
## ENSG00000215869.5	0	0	0	0	0
## ENSG00000228347.1	0	0	1	0	4
## ENSG00000285981.1	0	0	0	0	0
## ENSG00000225036.1	0	0	0	0	0

## ENSG00000230768.9	0	0	0	0	0
## ENSG00000227850.1	1	7	1	8	2
## ENSG00000237897.2	6	4	10	3	4
## ENSG00000232952.1	8	11	6	11	14
## ENSG00000233047.7	0	0	0	0	0
## ENSG00000237480.3	0	0	0	0	0
## ENSG00000230932.2	0	0	0	0	0
## ENSG00000270342.1	0	0	0	0	0
## ENSG00000270976.1	0	0	0	0	0
## ENSG00000233449.1	0	0	0	0	0
## ENSG00000232551.2	0	0	0	0	0
## ENSG00000237460.3	0	0	0	0	0
## ENSG00000198890.9	3430	4414	3810	3899	4300
## ENSG00000162631.20	66	40	65	55	73
## ENSG00000289612.1	3	1	1	0	0
## ENSG00000224550.1	27	25	25	43	39
## ENSG00000134215.16	166	164	200	185	127
## ENSG00000275455.1	0	0	0	0	0
## ENSG00000230489.1	0	0	0	0	0
## ENSG00000226822.4	0	0	0	0	0
## ENSG00000085491.17	8910	12329	10765	11439	9508
## ENSG00000260879.1	29	46	27	38	26
## ENSG00000196427.14	0	1	0	0	1
## ENSG00000238122.1	0	0	0	0	0
## ENSG00000290547.1	0	0	0	0	0
## ENSG00000241361.9	0	0	0	0	0
## ENSG00000290552.1	0	0	0	0	0
## ENSG00000243967.5	0	0	0	0	0
## ENSG00000238118.1	0	0	0	0	0
## ENSG00000224698.1	0	0	0	0	0
## ENSG00000186086.19	0	1	0	0	0
## ENSG00000283354.1	0	0	0	0	0
## ENSG00000227832.1	0	1	0	0	0
## ENSG00000226483.2	0	0	0	0	0
## ENSG00000162636.16	805	967	989	1060	771
## ENSG00000162639.16	276	239	272	235	248
## ENSG00000285923.1	1	4	5	7	5
## ENSG00000290126.1	26	11	28	23	25
## ENSG00000134186.12	5490	6759	6856	6837	6102
## ENSG00000143107.10	29	12	23	13	12
## ENSG00000232971.2	0	0	2	0	2
## ENSG00000116266.11	1518	2243	1984	2279	1761
## ENSG00000228076.2	0	0	0	0	0
## ENSG00000162641.20	0	0	0	0	0
## ENSG00000203897.4	0	0	0	0	0
## ENSG00000121957.15	815	832	970	893	730
## ENSG00000121940.17	2616	3523	3289	3495	3046
## ENSG00000085433.17	909	1070	1167	1105	954
## ENSG00000237349.1	0	0	0	0	0
## ENSG00000244716.3	157	197	214	211	265
## ENSG00000228665.2	13	11	20	21	32
## ENSG00000228054.2	0	0	0	0	0
## ENSG00000197780.11	2075	2743	2633	2634	2061
## ENSG00000273382.1	37	44	37	47	35

## ENSG00000215717.7	3150	3827	3607	3472	3194
## ENSG00000278249.1	0	0	0	0	0
## ENSG00000270066.3	0	0	0	0	0
## ENSG00000251484.3	4	3	2	5	7
## ENSG00000179902.13	49	27	40	26	29
## ENSG00000116299.17	502	343	554	273	517
## ENSG00000031698.13	15015	17541	16557	17562	18199
## ENSG00000143126.8	3746	3264	3969	3241	3896
## ENSG00000134222.16	2280	2200	2415	2442	2932
## ENSG00000221986.7	7	10	5	6	7
## ENSG00000134243.12	10183	14090	11983	13666	11457
## ENSG00000143106.13	8850	10992	10383	11289	11564
## ENSG00000143028.9	20	16	17	13	20
## ENSG00000162650.17	312	336	313	327	391
## ENSG00000174151.15	871	983	1003	1011	942
## ENSG00000181754.7	707	680	793	713	867
## ENSG00000156097.13	4	0	1	0	0
## ENSG00000254942.1	0	0	0	0	0
## ENSG00000290117.1	6	4	7	6	1
## ENSG00000065135.12	11176	13993	12687	12158	12152
## ENSG00000206832.1	1	0	1	0	1
## ENSG00000225113.1	0	0	0	0	0
## ENSG00000284443.1	0	0	0	0	0
## ENSG00000134183.13	36	50	56	59	39
## ENSG00000116337.20	4175	5178	4930	5311	5601
## ENSG00000228703.1	0	0	0	0	0
## ENSG00000235045.2	7	6	9	9	2
## ENSG00000168765.19	2242	2574	2545	2549	2797
## ENSG00000213366.13	922	914	1035	847	1057
## ENSG00000134184.13	0	0	0	0	0
## ENSG00000260246.1	0	0	0	0	0
## ENSG00000134201.12	6	7	5	4	5
## ENSG00000241720.2	10	21	8	18	12
## ENSG00000134202.12	4736	6884	5223	7107	5986
## ENSG00000198758.11	507	930	733	952	697
## ENSG00000224927.2	0	0	0	0	0
## ENSG00000228420.1	0	0	0	0	0
## ENSG00000235005.1	0	2	0	1	2
## ENSG00000261055.1	0	0	0	0	1
## ENSG00000184371.14	618	1051	804	1081	1092
## ENSG00000168710.18	13333	17261	16833	17587	15467
## ENSG00000143093.15	2816	3334	3367	3809	3216
## ENSG00000291326.1	0	0	0	0	0
## ENSG00000258634.3	630	717	773	849	743
## ENSG00000156150.9	3	6	2	4	4
## ENSG00000258673.2	0	1	0	0	0
## ENSG00000186150.5	0	0	0	2	0
## ENSG00000197106.7	10	14	12	20	17
## ENSG00000227091.2	0	0	0	0	0
## ENSG00000235526.1	0	0	0	1	1
## ENSG00000224965.1	0	1	5	2	1
## ENSG00000116396.15	236	188	277	247	239
## ENSG00000282852.1	0	0	0	0	0
## ENSG00000200536.1	0	0	0	0	0

## ENSG00000227963.2	25	25	21	25	26
## ENSG00000162775.17	957	1251	1223	1400	1115
## ENSG00000224699.11	77	100	89	92	97
## ENSG00000168679.18	149	200	374	237	121
## ENSG00000273373.1	78	76	99	96	91
## ENSG00000134248.14	2946	3648	3447	3986	3926
## ENSG00000143125.6	2	2	2	0	0
## ENSG00000270380.1	0	0	0	0	0
## ENSG00000282887.2	0	0	0	0	0
## ENSG00000283999.1	0	0	0	0	0
## ENSG00000240194.8	2	0	0	0	0
## ENSG00000293424.1	0	0	0	0	0
## ENSG00000235407.1	3	3	10	6	4
## ENSG00000143105.7	0	0	0	2	0
## ENSG00000177301.16	20	13	9	24	14
## ENSG00000177272.10	75	70	117	57	88
## ENSG00000288803.1	0	0	0	0	0
## ENSG00000199710.1	0	0	0	0	0
## ENSG00000237415.2	1	0	2	2	3
## ENSG00000232791.4	0	0	0	0	0
## ENSG00000143119.14	1	5	1	2	1
## ENSG00000261654.1	44	35	39	37	33
## ENSG00000232811.1	32	58	72	82	66
## ENSG00000121931.16	1727	2356	1929	1934	1858
## ENSG00000273010.1	2	2	7	7	8
## ENSG00000225672.1	0	0	0	0	0
## ENSG00000252760.1	0	0	0	0	0
## ENSG00000156171.15	4797	7520	5593	7044	5777
## ENSG00000134255.16	2429	4041	2925	4048	2937
## ENSG00000272982.1	0	0	0	0	0
## ENSG00000273221.1	0	0	0	0	0
## ENSG00000162777.17	452	453	592	481	538
## ENSG00000064886.14	142	347	154	349	247
## ENSG00000236040.1	0	0	0	0	0
## ENSG00000290764.1	0	0	0	0	0
## ENSG00000203878.12	0	0	0	0	0
## ENSG00000134216.19	5	0	2	6	2
## ENSG00000229283.1	0	0	0	0	0
## ENSG00000232240.2	0	0	0	0	0
## ENSG00000173947.14	2087	2942	2243	2964	2672
## ENSG00000234020.1	18	20	15	18	21
## ENSG00000236012.2	1	1	0	1	1
## ENSG00000227179.7	0	1	0	0	0
## ENSG00000290561.1	0	0	0	0	0
## ENSG00000085465.13	190	356	221	334	220
## ENSG00000260948.1	99	132	139	140	130
## ENSG00000233337.1	45	78	45	73	51
## ENSG00000243960.1	25	49	21	50	25
## ENSG00000116455.14	6524	8937	7089	8961	9122
## ENSG00000199890.1	0	3	4	8	0
## ENSG00000116459.11	17130	20122	18561	20552	20212
## ENSG00000143110.12	13	10	20	29	18
## ENSG00000121933.19	0	1	0	1	1
## ENSG00000200360.1	0	0	0	0	0

## ENSG00000282608.2	0	1	0	1	2
## ENSG00000116473.15	4063	5604	4960	4879	4172
## ENSG00000231346.5	6	4	4	7	5
## ENSG00000215867.4	0	2	2	5	2
## ENSG00000201028.1	0	0	0	0	0
## ENSG00000197852.12	2087	3107	2408	3076	3165
## ENSG00000227811.3	36	38	45	60	60
## ENSG00000284830.1	11	11	22	18	12
## ENSG00000064703.13	3446	4015	3923	4050	3662
## ENSG00000171385.11	392	265	462	216	303
## ENSG00000232558.1	0	0	0	0	0
## ENSG00000237556.1	0	0	0	0	0
## ENSG00000231437.3	12	5	9	3	7
## ENSG00000231246.3	2	0	0	0	0
## ENSG00000234388.2	0	0	0	0	0
## ENSG00000238761.1	0	0	0	0	0
## ENSG00000143079.15	4581	6322	5471	6210	5396
## ENSG00000283296.1	2	2	2	2	0
## ENSG00000134245.18	111	96	117	137	182
## ENSG00000273483.1	8	4	9	4	4
## ENSG00000007341.19	563	705	579	709	612
## ENSG00000116489.13	12720	17080	15177	16955	14730
## ENSG00000235299.2	1	0	2	0	2
## ENSG00000252750.1	0	0	0	0	0
## ENSG00000155363.19	5647	6681	6446	6977	7271
## ENSG00000225075.1	1	0	0	0	0
## ENSG00000155366.17	6605	8982	6931	8912	10402
## ENSG00000271810.5	0	0	0	1	3
## ENSG00000155367.16	142	131	146	130	160
## ENSG00000261595.1	0	4	0	1	0
## ENSG00000184599.14	17	27	22	27	27
## ENSG00000234790.1	0	0	0	0	0
## ENSG00000215866.9	73	53	92	74	49
## ENSG00000224167.3	7	10	9	10	10
## ENSG00000228040.1	0	1	2	0	2
## ENSG00000155380.13	24755	31798	27860	27391	28425
## ENSG00000229020.4	3	2	3	5	8
## ENSG00000226419.8	90	122	124	108	104
## ENSG00000287807.1	0	0	1	0	1
## ENSG00000238198.2	7	2	5	13	5
## ENSG00000198799.12	1671	2046	2021	2281	1664
## ENSG00000237278.2	0	0	0	0	0
## ENSG00000233839.1	2	0	2	0	0
## ENSG00000236887.1	0	0	1	0	1
## ENSG00000081026.19	1387	1625	1635	1603	1419
## ENSG00000232499.2	32	32	37	34	42
## ENSG00000238256.1	0	0	0	0	0
## ENSG00000116793.16	2652	3002	3010	3124	2720
## ENSG00000232450.1	42	65	78	83	44
## ENSG00000081019.14	3435	4302	3982	3919	3519
## ENSG00000231128.7	0	0	0	0	1
## ENSG00000134242.16	0	0	0	0	0
## ENSG00000226167.1	9	3	2	11	12
## ENSG00000188761.13	0	1	4	1	2

## ENSG00000134262.14	347	367	408	419	414
## ENSG00000118655.8	1182	1318	1331	1410	1396
## ENSG00000235527.7	1	0	1	1	3
## ENSG00000163349.22	5393	7320	6912	7817	5397
## ENSG00000116774.12	1671	2675	2348	3337	2362
## ENSG00000270780.1	0	0	0	0	0
## ENSG00000282048.2	2	1	0	0	0
## ENSG00000134207.17	125	158	174	260	166
## ENSG00000232895.2	0	0	0	0	0
## ENSG00000273698.1	0	0	0	0	0
## ENSG00000271419.1	0	0	0	0	0
## ENSG00000197323.12	5931	7925	7241	6966	5979
## ENSG00000226984.1	1	0	0	0	0
## ENSG00000225650.2	0	0	0	0	0
## ENSG00000201114.1	0	0	0	0	0
## ENSG00000236480.1	16	15	12	26	22
## ENSG00000116752.6	2991	3669	3325	3618	3492
## ENSG00000175984.16	2064	2605	2326	2458	1737
## ENSG00000116748.22	0	0	0	3	0
## ENSG00000242769.3	0	0	0	0	0
## ENSG00000213281.5	16239	21446	18541	18779	17537
## ENSG00000009307.17	84498	103866	98757	95095	91778
## ENSG00000201900.1	2	2	1	5	0
## ENSG00000052723.12	3813	5225	4696	5338	4082
## ENSG00000227970.1	0	0	0	0	0
## ENSG00000198765.12	0	3	3	2	2
## ENSG00000134200.4	5	3	9	9	9
## ENSG00000134198.10	6854	7612	7561	6770	7527
## ENSG00000233730.2	1	0	3	1	0
## ENSG00000285698.1	0	2	2	1	1
## ENSG00000228035.1	2	6	9	5	3
## ENSG00000134259.6	40	49	27	44	43
## ENSG00000287103.1	0	0	0	0	0
## ENSG00000226973.1	0	0	0	0	1
## ENSG00000274468.1	0	0	0	0	0
## ENSG00000229101.1	0	0	0	0	0
## ENSG00000232185.1	0	1	0	0	1
## ENSG00000270631.1	0	0	0	0	0
## ENSG00000239984.3	0	0	0	0	0
## ENSG00000207502.1	0	0	0	0	0
## ENSG00000173218.15	3381	4381	3851	4200	3683
## ENSG00000118729.13	14	9	16	2	13
## ENSG00000177551.5	56	52	62	64	66
## ENSG00000214204.4	4	2	7	8	9
## ENSG00000228127.3	1	1	2	0	0
## ENSG00000271143.1	0	0	0	0	0
## ENSG00000163393.13	83	108	92	114	81
## ENSG00000237993.1	0	0	0	0	0
## ENSG00000173212.5	3	11	2	9	4
## ENSG00000235933.2	0	2	1	0	0
## ENSG00000221040.2	2	7	8	9	3
## ENSG00000287217.1	18	45	15	21	24
## ENSG00000163399.16	67259	100718	75168	96238	81234
## ENSG00000203865.13	177	201	242	242	188

## ENSG00000212385.1	0	0	0	0	0
## ENSG00000233154.6	6	9	2	7	2
## ENSG00000230381.2	0	0	0	0	0
## ENSG00000200547.1	0	0	0	0	0
## ENSG00000224950.2	4	2	5	6	2
## ENSG00000286276.1	2	0	1	1	0
## ENSG00000116815.16	219	292	239	306	261
## ENSG00000177173.5	16	25	25	27	18
## ENSG00000264419.1	0	3	1	0	0
## ENSG00000143061.18	7371	10287	8916	10658	7857
## ENSG00000211543.2	0	0	0	0	0
## ENSG00000203864.3	0	0	0	0	0
## ENSG00000231072.1	0	0	0	0	0
## ENSG00000223489.1	2	0	0	0	2
## ENSG00000116824.5	0	2	1	0	0
## ENSG00000225079.2	0	0	0	0	0
## ENSG00000272715.1	4	0	3	3	3
## ENSG00000134247.10	5512	7654	6602	8073	6907
## ENSG00000252510.1	0	0	0	0	0
## ENSG00000134256.13	91	134	126	123	97
## ENSG00000236137.1	14	10	14	16	11
## ENSG00000116830.12	3472	3943	4253	4361	3651
## ENSG00000215930.1	1	0	1	0	0
## ENSG00000134253.10	1113	625	1349	796	1077
## ENSG00000228453.1	0	0	0	0	0
## ENSG00000134258.18	443	377	524	501	475
## ENSG00000277141.1	0	0	0	0	0
## ENSG00000235202.2	0	1	1	0	0
## ENSG00000271427.1	2	6	5	6	3
## ENSG00000198162.12	8410	10125	10020	9226	7682
## ENSG00000279513.1	3	0	9	1	3
## ENSG00000226755.2	0	2	0	3	0
## ENSG00000236866.5	1	0	0	1	0
## ENSG00000183508.5	972	1094	1280	1202	1096
## ENSG00000213262.3	1	1	0	2	5
## ENSG00000212266.1	0	0	0	0	0
## ENSG00000270719.1	0	0	0	0	0
## ENSG00000228217.1	14	15	10	16	20
## ENSG00000196505.11	1882	2261	2166	2154	2005
## ENSG00000065183.16	6847	7946	8046	7695	7269
## ENSG00000155761.14	41	40	68	46	47
## ENSG00000287980.1	0	0	0	2	0
## ENSG00000222209.1	0	0	0	0	0
## ENSG00000226126.2	3	0	1	5	2
## ENSG0000022911.2	0	0	0	0	0
## ENSG00000092607.15	1	1	1	0	3
## ENSG00000226172.2	0	0	0	0	0
## ENSG00000239216.1	0	0	0	0	0
## ENSG00000116874.12	2197	2826	2442	2639	2504
## ENSG00000224238.2	1	0	0	0	0
## ENSG00000223575.2	0	0	1	1	0
## ENSG00000236804.1	0	1	0	2	2
## ENSG00000231365.7	589	800	756	907	671
## ENSG00000227056.2	0	0	0	1	0

## ENSG00000227712.3	8	2	9	3	3
## ENSG00000232650.6	1	5	2	7	10
## ENSG00000194297.2	0	0	1	0	0
## ENSG00000116882.15	5	1	2	5	7
## ENSG00000230921.1	0	0	1	0	0
## ENSG00000203859.10	1	2	3	2	2
## ENSG00000293080.1	0	1	0	0	0
## ENSG00000232780.3	2	0	1	0	2
## ENSG00000203858.3	1	0	0	0	1
## ENSG00000235595.1	0	1	1	1	0
## ENSG00000187481.2	0	3	0	0	0
## ENSG00000229570.2	1	0	0	1	0
## ENSG00000203857.10	3	0	4	4	0
## ENSG00000226443.3	1	1	2	0	0
## ENSG00000249798.1	0	1	0	1	0
## ENSG00000239873.2	0	1	0	0	0
## ENSG00000203855.7	1	8	5	10	6
## ENSG00000240244.3	0	0	0	1	2
## ENSG00000260941.1	24	30	26	23	33
## ENSG00000198857.3	16	36	13	31	26
## ENSG00000143067.5	2452	3077	2844	2965	2828
## ENSG00000092621.13	35029	40097	38108	39718	48734
## ENSG00000134240.12	7712	16921	8918	16496	11650
## ENSG00000134193.15	70	117	51	104	106
## ENSG00000215864.6	0	0	0	0	0
## ENSG00000227205.4	0	0	0	0	0
## ENSG00000226446.1	0	0	0	0	0
## ENSG00000134249.7	0	0	0	0	0
## ENSG00000134250.21	15942	21106	19155	21132	17284
## ENSG00000273406.1	1	0	0	0	0
## ENSG00000207149.1	0	0	0	0	0
## ENSG00000265808.4	4566	6024	5112	5843	5276
## ENSG00000274642.1	0	2	3	1	5
## ENSG00000277313.1	0	0	0	0	0
## ENSG00000290569.1	25	38	20	25	40
## ENSG00000223804.6	0	0	0	0	0
## ENSG00000273727.1	0	0	0	0	0
## ENSG00000270231.5	665	895	785	937	700
## ENSG00000293296.1	6	8	10	13	5
## ENSG00000270392.3	1	0	0	0	0
## ENSG00000275131.4	55	50	67	70	29
## ENSG00000290999.1	10	21	23	28	15
## ENSG00000273694.1	0	0	0	0	0
## ENSG00000275933.1	0	0	0	0	0
## ENSG00000286106.3	6	14	5	7	9
## ENSG00000273136.9	379	617	536	641	403
## ENSG00000287979.1	0	1	2	1	3
## ENSG00000275538.1	0	0	0	0	0
## ENSG00000263353.4	0	1	2	2	1
## ENSG00000281741.2	3	1	6	1	2
## ENSG00000226067.7	107	128	113	145	151
## ENSG00000277610.1	2	0	4	1	0
## ENSG00000290903.1	0	0	0	0	0
## ENSG00000285215.3	0	0	0	0	3

## ENSG00000290904.1	2	0	0	1	0
## ENSG00000273516.1	0	0	0	0	0
## ENSG00000275585.3	0	0	0	0	0
## ENSG00000275296.1	0	0	0	0	0
## ENSG00000291135.1	0	0	0	1	0
## ENSG00000198019.15	0	0	0	0	0
## ENSG00000234998.1	0	5	0	4	4
## ENSG00000233029.3	4	3	1	3	1
## ENSG00000291123.1	2	1	0	0	0
## ENSG00000223345.6	0	0	0	0	0
## ENSG00000227193.2	0	1	5	0	0
## ENSG00000213244.3	0	0	0	2	3
## ENSG00000268993.1	0	0	0	0	0
## ENSG00000188610.12	215	247	249	207	253
## ENSG00000171943.12	508	612	723	606	580
## ENSG00000275129.1	0	0	0	0	0
## ENSG00000230806.1	0	0	1	1	0
## ENSG00000227082.3	1	5	8	3	5
## ENSG00000228826.3	0	1	0	1	0
## ENSG00000233432.2	0	0	1	1	0
## ENSG00000272583.2	12	17	23	18	28
## ENSG00000291141.1	69	63	66	72	53
## ENSG00000231752.9	0	0	0	0	0
## ENSG00000224857.1	0	0	0	2	0
## ENSG00000276118.1	0	0	0	0	0
## ENSG00000277095.1	0	0	1	0	0
## ENSG00000277702.1	18	29	22	28	42
## ENSG00000252830.2	0	0	0	0	0
## ENSG00000264145.2	0	0	0	0	0
## ENSG00000274927.1	0	0	0	0	0
## ENSG00000242943.1	0	0	0	0	0
## ENSG00000223495.2	0	0	0	0	0
## ENSG00000235887.2	0	0	0	3	0
## ENSG00000203825.4	0	0	0	1	0
## ENSG00000179571.10	1	1	0	1	0
## ENSG00000226028.2	0	0	0	0	0
## ENSG00000202167.1	0	0	0	0	0
## ENSG00000207349.1	0	0	0	0	0
## ENSG00000252826.1	0	0	0	0	0
## ENSG00000206737.1	1	0	0	0	0
## ENSG00000232721.3	24	20	26	46	31
## ENSG00000223779.6	2	0	1	1	1
## ENSG00000242352.2	3	8	1	2	3
## ENSG00000270962.1	0	0	0	0	0
## ENSG00000263590.2	0	2	0	3	1
## ENSG00000252105.1	0	0	0	0	2
## ENSG00000233430.3	0	0	0	0	0
## ENSG00000237503.2	0	0	0	0	0
## ENSG00000265531.3	0	0	0	0	1
## ENSG00000290735.1	2	1	2	2	0
## ENSG00000273213.4	108	132	142	118	95
## ENSG00000234571.3	0	0	0	0	0
## ENSG00000230186.3	0	1	1	1	1
## ENSG00000268074.1	0	0	0	0	0

## ENSG00000263513.6	47	53	62	47	49
## ENSG00000289318.2	13	10	17	16	14
## ENSG00000270872.2	32	36	44	46	38
## ENSG00000276674.1	0	0	0	0	0
## ENSG00000275075.1	0	0	0	0	0
## ENSG00000275767.1	0	0	0	0	0
## ENSG00000232527.8	0	1	0	0	5
## ENSG00000276442.1	0	0	0	0	0
## ENSG00000175658.4	0	0	0	0	0
## ENSG00000290869.1	0	0	0	0	0
## ENSG00000276756.5	0	0	0	0	0
## ENSG00000271567.2	0	0	0	0	0
## ENSG00000271439.1	0	0	0	0	0
## ENSG00000207205.1	0	1	0	5	2
## ENSG00000237343.1	0	0	0	0	0
## ENSG00000233586.1	0	2	2	1	0
## ENSG00000266338.7	1546	2031	1844	2186	1742
## ENSG00000227212.3	4	1	7	8	2
## ENSG00000229002.1	0	0	0	0	0
## ENSG00000275291.1	0	0	0	1	0
## ENSG00000290121.1	2	7	4	2	4
## ENSG00000278099.1	0	1	0	0	0
## ENSG00000277918.1	0	1	0	2	0
## ENSG00000279782.3	0	0	0	0	0
## ENSG00000277199.1	0	0	0	0	0
## ENSG00000224363.2	0	0	0	0	0
## ENSG00000278273.1	0	0	0	0	0
## ENSG00000222854.1	0	0	0	0	0
## ENSG00000288905.2	45	38	60	52	40
## ENSG00000273825.1	0	0	0	0	0
## ENSG00000287607.1	0	0	0	0	0
## ENSG00000196369.12	287	288	337	313	257
## ENSG00000271644.1	0	0	0	0	0
## ENSG00000215784.6	76	83	100	94	99
## ENSG00000283752.1	0	0	0	1	0
## ENSG00000290867.1	85	78	73	98	97
## ENSG00000277678.1	0	5	0	1	0
## ENSG00000272419.7	0	0	0	0	0
## ENSG00000281571.2	36	42	55	32	54
## ENSG00000223612.3	62	35	45	44	64
## ENSG00000289549.1	0	0	0	0	0
## ENSG00000271291.1	0	0	0	0	0
## ENSG00000207501.1	0	0	0	0	0
## ENSG00000276216.1	0	1	1	0	0
## ENSG00000236140.1	3	2	9	4	2
## ENSG00000162825.18	221	368	343	424	337
## ENSG00000234367.1	1	1	3	3	1
## ENSG00000270384.1	0	0	0	1	0
## ENSG00000286620.1	0	0	0	0	1
## ENSG00000270722.1	0	0	1	1	0
## ENSG00000287374.1	0	0	0	1	1
## ENSG00000278182.1	0	0	0	0	0
## ENSG00000275064.1	0	0	0	0	0
## ENSG00000291005.1	34	52	40	55	34

## ENSG00000272150.6	0	0	0	0	0
## ENSG00000117262.19	499	571	545	533	538
## ENSG00000174827.14	520	827	665	893	589
## ENSG00000117281.16	14	16	18	21	12
## ENSG00000265491.5	3663	4841	4233	4532	3987
## ENSG00000186141.10	2850	3666	3249	3733	3415
## ENSG00000186364.12	78	74	82	84	80
## ENSG00000131788.16	1256	1509	1564	1686	1601
## ENSG00000278549.1	0	0	0	0	0
## ENSG00000198483.13	10	6	15	10	12
## ENSG00000143127.13	12	22	13	24	15
## ENSG00000244619.2	0	0	0	0	0
## ENSG00000131779.11	1160	1437	1399	1494	1370
## ENSG00000289565.1	0	0	0	0	0
## ENSG00000293505.1	33	36	39	50	38
## ENSG00000211451.14	0	0	0	0	0
## ENSG00000265241.8	5666	7187	6092	6663	6340
## ENSG00000234222.6	6	0	0	6	5
## ENSG00000280778.1	1	0	0	0	0
## ENSG00000271601.4	289	230	390	330	397
## ENSG00000272031.3	19	28	32	25	28
## ENSG00000278431.1	0	0	0	0	0
## ENSG00000121851.13	617	732	723	684	793
## ENSG00000265972.6	4298	7291	6020	8070	5632
## ENSG00000168509.20	0	0	2	0	3
## ENSG00000287190.1	1	2	0	1	0
## ENSG00000201558.1	0	0	0	0	0
## ENSG00000233396.9	210	273	286	267	226
## ENSG00000271425.9	179	255	227	291	178
## ENSG00000264343.7	43	67	44	75	36
## ENSG00000276509.1	1	1	0	2	0
## ENSG00000201789.1	0	0	0	0	0
## ENSG00000271121.2	0	0	0	0	0
## ENSG00000290578.1	25	31	16	20	22
## ENSG00000277406.3	0	0	0	0	0
## ENSG00000270339.4	0	0	0	0	0
## ENSG00000273768.1	2	1	1	0	0
## ENSG00000287978.1	17	24	17	16	19
## ENSG00000274428.1	2	1	0	0	1
## ENSG00000277655.1	0	0	0	0	0
## ENSG00000291242.1	2	1	0	0	5
## ENSG00000289321.1	0	0	1	0	0
## ENSG00000274408.1	0	0	0	0	0
## ENSG00000276975.4	4	2	9	2	6
## ENSG00000290557.1	0	0	0	0	0
## ENSG00000274450.1	0	0	0	0	0
## ENSG00000291243.1	0	0	0	0	0
## ENSG00000268043.9	651	921	929	1128	666
## ENSG00000244371.2	3	2	0	2	1
## ENSG00000234225.2	0	0	0	0	0
## ENSG00000227242.4	4	0	1	2	2
## ENSG00000225603.3	1	4	2	2	5
## ENSG00000201142.1	0	0	0	0	0
## ENSG00000230832.3	9	18	9	11	15

## ENSG00000286172.1	1	0	0	0	0
## ENSG00000283342.1	2	1	1	2	2
## ENSG00000131791.8	3787	4995	4455	5346	3972
## ENSG00000293279.1	81	70	94	88	63
## ENSG00000237188.5	5	7	2	3	2
## ENSG00000131781.13	243	361	275	364	230
## ENSG00000180867.12	142	201	195	240	210
## ENSG00000226015.2	72	82	79	106	96
## ENSG00000236806.1	0	0	4	0	0
## ENSG00000131778.20	141	146	122	166	114
## ENSG00000278811.4	16	31	21	32	14
## ENSG00000213226.4	1	2	0	1	4
## ENSG00000226653.3	0	0	0	0	0
## ENSG00000207209.1	0	0	0	0	0
## ENSG00000272443.1	0	0	0	0	0
## ENSG00000272480.1	0	0	0	0	0
## ENSG00000116128.12	4954	6080	6137	6314	6123
## ENSG00000289419.1	12	25	30	20	27
## ENSG00000288626.1	0	0	0	0	0
## ENSG00000162836.12	599	754	741	832	700
## ENSG00000277762.1	0	0	0	0	0
## ENSG00000227139.1	0	0	0	0	0
## ENSG00000265107.3	17	60	38	87	39
## ENSG00000274415.1	0	0	0	0	0
## ENSG00000234190.1	0	0	0	0	0
## ENSG00000223728.3	0	0	0	0	0
## ENSG00000121634.6	0	0	0	0	0
## ENSG00000188092.15	468	571	494	560	496
## ENSG00000290705.1	8	13	10	8	6
## ENSG00000215859.10	0	0	0	0	0
## ENSG00000273059.1	0	0	0	0	0
## ENSG00000274372.5	3	8	10	9	4
## ENSG00000206791.1	0	0	0	0	0
## ENSG00000206585.1	1	2	1	1	0
## ENSG00000229828.2	1	0	0	2	0
## ENSG00000263956.8	422	639	573	721	461
## ENSG00000225080.1	0	3	3	5	2
## ENSG00000198658.4	7	0	11	6	7
## ENSG00000232265.8	95	84	64	91	94
## ENSG00000227733.12	16	9	23	14	10
## ENSG00000238765.1	0	0	0	0	0
## ENSG00000224335.2	0	0	0	0	0
## ENSG00000227700.1	0	0	2	1	0
## ENSG00000199879.1	0	0	0	0	0
## ENSG00000234283.1	0	2	1	0	1
## ENSG00000228626.1	7	4	4	4	4
## ENSG00000274020.4	71	75	69	89	82
## ENSG00000238107.1	2	0	0	0	0
## ENSG00000224481.4	1	1	0	5	1
## ENSG00000235988.1	1	0	0	0	0
## ENSG00000252744.1	0	0	0	0	0
## ENSG00000283676.1	1	0	0	0	0
## ENSG00000202408.2	0	0	0	0	0
## ENSG00000272824.1	4	0	4	2	0

## ENSG00000207340.1	4	0	0	4	0
## ENSG00000252135.1	0	0	0	0	0
## ENSG00000278596.1	0	0	0	0	0
## ENSG00000238825.1	0	0	0	0	0
## ENSG00000291232.1	29	32	51	40	42
## ENSG00000201183.1	1	1	2	3	1
## ENSG00000231551.9	3	1	0	4	0
## ENSG00000225871.2	2	5	7	5	3
## ENSG00000285062.1	0	0	0	0	0
## ENSG00000280649.2	66	93	62	77	89
## ENSG00000236334.3	2	1	0	0	2
## ENSG00000274210.1	0	4	0	1	2
## ENSG00000270629.7	235	331	330	352	262
## ENSG00000286019.2	76	121	113	109	73
## ENSG00000252515.2	0	0	0	0	0
## ENSG00000177144.8	0	4	1	1	1
## ENSG00000275140.1	0	0	2	2	0
## ENSG00000271546.1	0	0	0	0	0
## ENSG00000178104.22	2608	3365	3009	3301	2756
## ENSG00000252656.1	0	0	0	0	0
## ENSG00000222788.1	0	0	0	0	0
## ENSG00000254913.1	0	0	0	0	0
## ENSG00000289642.1	0	0	0	0	0
## ENSG00000255148.2	0	0	0	0	0
## ENSG00000254539.1	1	2	3	1	0
## ENSG00000269713.9	1744	2230	2192	2433	1999
## ENSG00000274019.1	0	1	0	1	0
## ENSG00000201699.1	0	1	0	0	0
## ENSG00000274265.5	44	52	43	39	48
## ENSG00000289614.2	8	9	6	17	15
## ENSG00000291233.1	18	7	15	5	20
## ENSG00000215861.9	10	4	9	5	11
## ENSG00000272755.1	0	0	1	0	0
## ENSG00000273591.1	0	0	0	0	0
## ENSG00000274423.1	2	2	2	3	8
## ENSG00000286219.2	40	66	50	65	35
## ENSG00000286185.1	0	0	0	0	0
## ENSG00000271383.9	6	13	13	25	14
## ENSG00000288867.1	0	0	1	3	5
## ENSG00000291158.1	120	154	140	162	146
## ENSG00000284964.1	0	0	0	0	0
## ENSG00000275557.1	46	44	43	44	60
## ENSG00000206828.1	0	3	3	4	5
## ENSG00000277147.9	0	1	0	0	0
## ENSG00000284842.1	0	0	0	1	0
## ENSG00000290790.1	0	0	0	2	0
## ENSG00000275229.1	0	0	0	0	0
## ENSG00000234232.8	0	0	0	0	0
## ENSG00000226500.2	0	0	0	0	0
## ENSG00000150337.14	1	0	1	2	2
## ENSG00000203814.7	6	12	14	9	13
## ENSG00000233030.2	2	1	5	10	6
## ENSG00000183598.4	4	0	3	4	4
## ENSG00000270882.3	1	7	3	1	2

## ENSG00000203811.2	0	0	0	0	0
## ENSG00000288825.1	0	1	0	0	2
## ENSG00000290791.1	31	40	24	41	26
## ENSG00000220323.5	0	0	0	0	0
## ENSG00000290792.1	135	185	180	212	163
## ENSG00000261716.3	0	0	0	0	0
## ENSG00000288859.1	0	0	0	0	0
## ENSG00000203852.4	0	0	0	0	0
## ENSG00000270276.3	0	0	0	0	0
## ENSG00000264207.1	0	0	0	0	0
## ENSG00000184678.11	209	259	255	262	259
## ENSG00000184260.6	46	43	32	35	67
## ENSG00000184270.6	3	1	7	1	4
## ENSG00000178096.9	292	379	353	407	482
## ENSG00000159164.10	1874	1197	2149	1283	1863
## ENSG00000143368.10	5585	5939	6566	6415	7589
## ENSG0000014914.21	61	47	70	74	54
## ENSG00000264522.6	3543	4129	4016	4098	3789
## ENSG00000285184.5	403	635	548	647	461
## ENSG00000223945.2	0	4	3	1	3
## ENSG00000136631.16	2203	2640	2472	2609	2431
## ENSG0000023902.14	5747	6541	5928	6386	7621
## ENSG00000285554.1	22	40	17	30	22
## ENSG00000266187.2	0	0	0	0	0
## ENSG00000143401.15	10878	12124	14019	10887	11649
## ENSG00000222222.1	0	2	0	0	0
## ENSG00000276110.1	5	4	4	2	2
## ENSG00000118298.12	750	599	831	638	900
## ENSG00000117362.13	13572	16731	14565	16681	17398
## ENSG00000118292.9	34	29	31	28	32
## ENSG00000289041.1	2	0	0	2	4
## ENSG00000159208.16	100	77	112	102	95
## ENSG00000266472.6	4124	4525	4693	4772	5553
## ENSG00000117360.13	3412	4169	3897	4117	3902
## ENSG00000163125.16	5034	6206	6065	6293	5409
## ENSG00000143374.18	2428	2648	2759	2890	2933
## ENSG00000283933.1	0	0	0	0	0
## ENSG00000143369.15	63	73	97	110	63
## ENSG00000228126.1	10	16	7	12	7
## ENSG00000237781.3	3	5	1	2	4
## ENSG00000143382.16	1193	868	1166	927	1248
## ENSG00000264553.1	0	0	0	0	0
## ENSG00000203804.5	1	0	0	0	0
## ENSG00000143384.14	21425	27077	24248	25134	22763
## ENSG00000289457.2	0	0	0	0	2
## ENSG00000277452.1	0	1	0	0	0
## ENSG00000274963.1	1	0	0	0	0
## ENSG00000290074.1	3	3	9	12	2
## ENSG00000253047.1	0	3	4	2	1
## ENSG00000143420.19	10849	14056	12360	14172	14068
## ENSG00000276103.1	2	2	1	1	1
## ENSG00000288880.2	46	67	44	52	48
## ENSG00000143457.11	2647	3553	3015	3261	3124
## ENSG00000143452.16	0	0	0	0	0

## ENSG00000206931.1	0	0	0	0	0
## ENSG00000163131.12	55	137	81	96	46
## ENSG00000236713.1	0	0	1	0	0
## ENSG00000143387.14	66	142	136	152	81
## ENSG00000224690.2	0	0	0	0	0
## ENSG00000143437.21	2753	3201	3450	3427	3050
## ENSG00000200175.1	0	0	0	0	0
## ENSG00000224800.1	2	0	1	2	0
## ENSG00000283324.1	2	0	0	0	0
## ENSG00000229357.1	0	0	0	0	1
## ENSG00000143379.13	3621	4085	4211	4238	3833
## ENSG00000143418.20	10909	14011	12304	13397	13324
## ENSG00000259357.2	0	0	0	0	0
## ENSG00000231073.1	4	4	2	2	6
## ENSG00000143412.10	371	779	590	785	561
## ENSG00000143409.18	525	513	654	594	613
## ENSG00000143363.17	2315	2605	2620	2741	2795
## ENSG00000200759.1	0	0	0	0	0
## ENSG00000163141.20	21	16	23	40	20
## ENSG00000143443.10	338	418	360	356	417
## ENSG00000197622.13	9123	12562	10051	11632	10412
## ENSG00000213190.4	11131	13116	12723	12547	12641
## ENSG00000143458.12	272	335	368	441	324
## ENSG00000233717.1	0	0	0	0	0
## ENSG00000261168.1	18	13	12	14	6
## ENSG00000143434.17	1095	800	1176	871	1159
## ENSG00000289288.2	1	3	2	3	0
## ENSG00000163154.6	0	2	0	2	1
## ENSG00000163156.12	1905	2079	2032	2124	2556
## ENSG00000163155.12	954	1072	1071	1187	1069
## ENSG00000163157.15	26	20	27	33	26
## ENSG00000163159.15	5501	6167	5654	6157	7421
## ENSG00000143398.20	6780	8704	8037	9515	7875
## ENSG00000159352.16	9862	11525	11098	11662	12530
## ENSG00000232671.8	9	12	14	18	21
## ENSG00000143373.18	3846	4158	4363	4054	4689
## ENSG00000143393.17	4417	5071	5045	5611	5329
## ENSG00000265753.2	0	2	1	1	0
## ENSG00000273481.1	1	1	2	0	1
## ENSG00000143390.18	3519	4547	4014	4719	3916
## ENSG00000224645.1	0	0	0	0	0
## ENSG00000237976.2	131	120	108	152	150
## ENSG00000143416.21	2958	3165	3299	3122	3825
## ENSG00000159377.11	14440	17703	16456	18429	20701
## ENSG00000143442.24	6561	8430	8288	8524	7360
## ENSG00000238711.1	0	1	1	1	0
## ENSG00000143375.15	5442	8197	6324	8420	6290
## ENSG00000252840.1	0	0	0	0	0
## ENSG00000143367.17	1864	2108	2093	2234	2058
## ENSG00000232536.1	0	5	2	6	1
## ENSG00000207606.1	0	0	1	0	0
## ENSG00000223861.1	8	10	6	10	11
## ENSG00000143376.14	2581	3445	3378	3883	2933
## ENSG00000250734.2	0	3	0	0	1

## ENSG00000206635.1	0	0	0	0	0
## ENSG00000159409.15	601	304	657	350	599
## ENSG00000227045.1	2	0	0	0	0
## ENSG00000178796.13	35	16	31	15	26
## ENSG00000206980.1	0	0	0	0	0
## ENSG00000269621.1	0	0	1	0	0
## ENSG00000236940.1	0	0	0	0	0
## ENSG00000143436.11	2594	3171	2902	3008	3088
## ENSG00000143450.19	55	72	59	65	55
## ENSG00000249602.1	15	21	10	19	30
## ENSG00000232937.1	0	0	0	0	0
## ENSG00000268288.1	2	2	4	1	0
## ENSG00000182134.17	927	948	1070	939	941
## ENSG00000203288.6	16	7	22	22	23
## ENSG00000269489.1	1	0	2	1	5
## ENSG00000213171.3	0	0	0	0	0
## ENSG00000143365.20	1	0	2	0	0
## ENSG00000225556.2	16	23	23	21	23
## ENSG00000201134.1	1	1	2	3	2
## ENSG00000234614.1	95	88	100	115	74
## ENSG00000196407.12	65	57	69	68	104
## ENSG00000159445.13	1282	1437	1386	1472	1562
## ENSG00000285651.1	1	0	0	0	1
## ENSG00000286581.1	0	2	2	1	1
## ENSG00000223810.2	0	0	0	0	0
## ENSG00000197747.9	32778	51075	38335	49874	46271
## ENSG00000229021.2	10	12	19	14	13
## ENSG00000240667.1	0	0	0	0	0
## ENSG00000163191.6	16707	29757	19455	30038	26025
## ENSG00000232678.2	0	0	0	1	0
## ENSG00000285818.1	0	0	0	0	0
## ENSG00000182898.4	0	0	0	0	0
## ENSG00000159450.13	10	8	3	7	15
## ENSG00000226716.1	0	0	0	1	0
## ENSG00000293250.1	0	0	0	0	0
## ENSG00000233792.4	0	0	0	0	0
## ENSG00000215853.3	0	0	0	1	0
## ENSG00000237975.7	0	2	3	7	0
## ENSG00000236427.1	0	0	0	0	0
## ENSG00000197915.7	7	10	9	8	5
## ENSG00000143631.11	4	6	3	11	2
## ENSG00000143520.6	0	0	0	0	0
## ENSG00000183586.8	0	0	0	0	0
## ENSG00000143536.7	0	0	0	0	0
## ENSG00000186207.5	0	0	0	0	0
## ENSG00000169509.6	0	0	0	0	0
## ENSG00000185966.4	0	0	0	0	0
## ENSG00000163202.5	0	0	0	0	0
## ENSG00000244057.5	0	0	0	0	0
## ENSG00000187238.5	0	0	0	0	0
## ENSG00000185962.1	0	0	0	0	0
## ENSG00000226947.1	0	0	0	0	0
## ENSG00000285753.1	0	0	0	0	0
## ENSG00000187223.4	0	0	0	0	0

## ENSG00000187180.4	0	0	0	0	0
## ENSG00000159455.9	0	0	0	0	0
## ENSG00000187173.4	0	0	0	0	0
## ENSG00000187170.6	0	0	0	0	0
## ENSG00000198854.5	0	0	0	0	0
## ENSG00000229713.1	0	0	0	0	0
## ENSG00000233819.1	0	0	0	0	0
## ENSG00000203786.7	0	0	0	0	0
## ENSG00000240386.4	0	0	0	0	0
## ENSG00000186226.9	0	0	0	0	0
## ENSG00000172155.10	0	0	0	0	0
## ENSG00000197084.6	0	0	0	0	0
## ENSG00000196734.9	0	0	0	0	0
## ENSG00000186844.6	0	0	0	0	0
## ENSG00000235942.3	0	0	0	0	0
## ENSG00000285946.2	0	0	0	0	0
## ENSG00000163206.6	1	0	0	0	0
## ENSG00000289062.2	0	0	0	0	0
## ENSG00000163207.7	0	0	0	0	0
## ENSG00000224308.1	0	0	0	0	0
## ENSG00000283227.2	0	0	0	0	0
## ENSG00000184148.4	0	0	0	0	0
## ENSG00000169474.5	0	0	0	0	0
## ENSG00000163209.15	2	4	0	0	0
## ENSG00000252920.1	0	0	0	0	0
## ENSG00000234262.1	0	0	3	2	0
## ENSG00000169469.9	0	0	1	0	0
## ENSG00000163216.7	0	0	0	4	2
## ENSG00000241794.2	0	1	0	1	1
## ENSG00000196805.8	1	0	1	0	2
## ENSG00000203785.9	5	7	4	3	11
## ENSG00000244094.2	1191	536	1225	512	1651
## ENSG00000229035.2	0	0	0	0	0
## ENSG00000159516.9	1	1	0	0	0
## ENSG00000229699.1	0	0	1	0	0
## ENSG00000203784.3	0	0	0	0	0
## ENSG00000203783.5	0	0	0	0	0
## ENSG00000230779.1	0	0	1	0	0
## ENSG00000203782.6	0	0	0	0	0
## ENSG00000159527.4	0	0	0	0	0
## ENSG00000163218.15	0	0	0	0	1
## ENSG00000207321.1	0	0	0	0	0
## ENSG00000163220.11	0	26	6	21	4
## ENSG00000163221.9	0	0	0	0	0
## ENSG00000237008.2	2	4	4	3	6
## ENSG00000143546.10	0	0	0	0	0
## ENSG00000224784.2	0	0	0	0	0
## ENSG00000184330.12	0	0	0	0	0
## ENSG00000203781.4	0	0	0	0	0
## ENSG00000197364.8	0	0	0	0	0
## ENSG00000143556.9	0	0	1	0	0
## ENSG00000263841.2	0	0	0	0	0
## ENSG00000238279.3	3	9	3	11	5
## ENSG00000197956.10	9424	12722	11695	13161	15880

## ENSG00000196420.8	2	1	0	0	0
## ENSG00000196154.12	872	1592	1090	1383	1280
## ENSG00000188015.10	116	184	149	144	153
## ENSG00000196754.13	11	25	19	30	27
## ENSG00000285867.1	37	71	56	69	54
## ENSG00000188643.11	7078	10099	8681	10879	9969
## ENSG00000189334.9	1647	2457	3041	3081	1734
## ENSG00000189171.15	1599	2506	1870	2365	2187
## ENSG00000271853.5	22	32	12	10	19
## ENSG00000160678.12	14	22	14	28	11
## ENSG00000272030.1	3	5	4	7	7
## ENSG00000160679.14	6047	7320	7026	7557	7580
## ENSG00000143553.11	1854	2234	1961	2281	2500
## ENSG00000143621.17	35053	41088	39761	42109	42935
## ENSG00000169418.10	54	106	105	132	93
## ENSG00000274940.1	0	0	0	0	0
## ENSG00000242565.3	0	0	0	0	0
## ENSG00000235015.1	0	0	0	0	0
## ENSG00000199565.1	0	0	0	0	0
## ENSG00000143624.14	5989	7093	6841	7541	6528
## ENSG00000243613.1	0	0	0	0	0
## ENSG00000233222.2	0	0	0	0	0
## ENSG00000143554.14	1164	1322	1335	1375	1453
## ENSG00000207039.1	0	0	0	0	0
## ENSG00000143614.11	2457	3031	2985	3239	2902
## ENSG00000291199.1	0	0	0	0	0
## ENSG00000231827.5	2	1	0	3	2
## ENSG00000223599.1	5	3	6	14	5
## ENSG00000236327.2	0	0	0	0	0
## ENSG00000284738.2	11	8	15	9	9
## ENSG00000198837.10	2762	3109	3259	3300	3237
## ENSG00000289935.1	6	5	9	22	5
## ENSG00000160741.17	1674	2090	1988	2326	2207
## ENSG00000143570.19	167	222	175	247	224
## ENSG00000285779.1	0	0	0	0	0
## ENSG00000276584.1	0	0	0	1	0
## ENSG00000282386.1	47	60	40	46	60
## ENSG00000273026.1	22	32	25	22	29
## ENSG00000143578.16	1063	1118	1176	1185	1264
## ENSG00000143543.15	1041	1307	1219	1303	1316
## ENSG00000285641.1	4	2	2	0	4
## ENSG00000272654.2	64	100	56	66	65
## ENSG00000143545.10	1525	2122	1972	2004	2323
## ENSG00000177954.14	50248	62468	55940	64807	71759
## ENSG00000143552.10	9	11	11	8	13
## ENSG00000231416.1	4	7	1	10	9
## ENSG00000200220.1	0	0	0	0	0
## ENSG00000231837.2	0	0	0	0	0
## ENSG00000263987.1	0	0	0	0	0
## ENSG00000143549.22	53332	67922	59040	62396	63552
## ENSG00000264384.2	0	0	0	0	0
## ENSG00000215938.3	0	0	0	0	0
## ENSG00000163263.7	6	7	8	5	1
## ENSG00000143612.21	13684	17471	14910	16760	17094

## ENSG00000143569.20	19615	23058	22318	23473	23619
## ENSG00000201129.1	0	0	0	0	0
## ENSG00000143575.16	4085	4517	4267	4486	4840
## ENSG00000252682.1	0	0	0	0	0
## ENSG00000212292.1	0	0	0	0	0
## ENSG00000222457.1	0	0	0	0	0
## ENSG00000278694.1	0	0	0	0	0
## ENSG00000143595.13	24	20	21	28	39
## ENSG00000143515.20	3472	4341	4414	5356	4123
## ENSG00000238365.3	0	0	0	2	2
## ENSG00000237920.2	0	0	0	0	0
## ENSG00000226855.1	9	10	9	10	12
## ENSG00000228013.1	3	3	8	3	2
## ENSG00000160712.13	1295	1530	1586	1785	1313
## ENSG00000228264.1	1	1	2	2	1
## ENSG00000169291.10	5	14	3	7	6
## ENSG00000273110.1	0	0	0	0	0
## ENSG00000163239.12	1	5	2	3	1
## ENSG00000160714.10	6867	8348	7830	8618	8409
## ENSG00000229780.1	4	2	3	9	6
## ENSG00000286391.3	6	5	13	4	5
## ENSG00000160716.6	379	194	396	163	338
## ENSG00000233875.1	0	0	0	0	0
## ENSG00000160710.18	28051	34324	33062	35188	29551
## ENSG00000287064.1	1	5	3	7	9
## ENSG00000143603.19	169	110	226	115	133
## ENSG00000163344.6	1569	1695	1770	1562	1977
## ENSG00000270361.1	0	1	4	1	0
## ENSG00000163346.17	6026	7611	6890	7554	8140
## ENSG00000268154.2	1	0	0	0	1
## ENSG00000163348.4	4393	4880	4771	5046	5307
## ENSG00000271380.1	16	18	10	10	26
## ENSG00000160691.19	7694	9528	8571	9710	10234
## ENSG00000173207.13	5827	6527	6154	6965	7448
## ENSG00000264349.1	2	1	1	2	1
## ENSG00000160688.19	3938	4202	4153	4365	4986
## ENSG00000163352.6	5	2	1	0	2
## ENSG00000289103.2	1	5	3	5	4
## ENSG00000160685.14	2708	3280	2958	3603	3650
## ENSG00000163354.15	15	4	18	18	16
## ENSG00000163357.11	8	9	13	9	13
## ENSG00000232093.1	27	40	58	49	57
## ENSG00000143537.14	6085	6585	6460	6455	8386
## ENSG00000243364.8	1556	1828	1742	1792	2098
## ENSG00000251246.1	0	1	1	0	1
## ENSG00000143590.14	266	206	338	245	349
## ENSG00000202027.1	0	0	0	0	0
## ENSG00000169242.12	666	985	921	1138	975
## ENSG00000169241.19	1999	2456	2421	2692	2711
## ENSG00000179085.8	532	544	505	650	868
## ENSG00000223452.3	0	0	0	0	0
## ENSG00000163463.13	106	101	123	137	104
## ENSG00000273088.2	0	0	0	0	0
## ENSG00000163462.19	767	755	810	831	956

## ENSG00000185499.17	963	705	997	593	1021
## ENSG00000231064.9	11	17	30	25	29
## ENSG00000284586.1	0	0	0	0	0
## ENSG00000169231.13	907	903	1015	906	1035
## ENSG00000173171.15	1359	1530	1445	1623	1779
## ENSG00000236263.1	0	0	0	0	0
## ENSG00000291137.1	32	38	34	47	37
## ENSG00000160766.17	0	0	0	0	0
## ENSG00000236675.1	151	179	186	166	172
## ENSG00000177628.16	1976	2357	2104	2310	2419
## ENSG00000160767.23	3937	3829	4341	3877	5031
## ENSG00000116521.11	3366	3724	3599	3675	4651
## ENSG00000176444.19	2064	2269	2386	2483	2464
## ENSG00000143630.10	118	126	184	132	145
## ENSG00000143627.19	0	1	4	0	2
## ENSG00000160752.15	10310	12666	11261	11914	13420
## ENSG00000225855.7	96	176	161	150	124
## ENSG00000160753.17	2357	2488	2523	2525	2925
## ENSG00000116539.14	2369	3065	2876	3271	2288
## ENSG00000283701.1	0	0	0	0	0
## ENSG00000207134.1	0	0	0	0	0
## ENSG00000227773.1	0	0	0	0	0
## ENSG00000207144.1	0	0	0	0	0
## ENSG00000237872.4	1	1	0	0	0
## ENSG00000235919.5	56	53	69	57	70
## ENSG00000125459.18	839	930	1015	958	996
## ENSG00000271267.1	8	6	1	6	8
## ENSG00000225082.2	0	1	0	0	4
## ENSG00000223503.1	12	8	10	18	24
## ENSG00000232519.2	0	0	1	2	5
## ENSG00000246203.2	20	39	25	29	28
## ENSG00000287839.2	1	4	12	10	3
## ENSG00000163374.20	2712	3015	3071	3068	2893
## ENSG00000132676.16	7855	9692	8721	9705	9379
## ENSG00000227673.1	0	0	1	0	0
## ENSG00000203761.5	122	147	150	164	115
## ENSG00000116580.20	4143	4900	4906	5073	3922
## ENSG00000234937.1	0	0	3	2	0
## ENSG00000132718.9	3980	2290	4488	2277	3225
## ENSG00000283442.1	0	0	1	1	1
## ENSG00000143622.12	2305	3146	2711	3381	2618
## ENSG00000132680.11	2298	3092	2835	3362	2642
## ENSG00000207475.1	0	0	2	0	0
## ENSG00000280466.1	0	0	0	0	0
## ENSG00000281394.1	0	0	0	0	0
## ENSG00000173080.6	1	2	2	0	1
## ENSG00000116584.22	5396	6046	6168	6176	5964
## ENSG00000277817.1	0	0	0	0	0
## ENSG00000273002.1	11	18	10	18	13
## ENSG00000224276.1	0	0	0	1	0
## ENSG00000285677.2	34	21	42	36	32
## ENSG00000163479.14	18572	22173	19458	22181	23082
## ENSG00000160803.8	7405	8342	8165	8614	8712
## ENSG00000116586.12	2411	2899	2952	3105	3700

## ENSG00000132698.15	4482	5799	5313	5806	5907
## ENSG00000254726.3	12843	16931	14726	16757	14895
## ENSG00000160789.24	4650	6731	5105	6412	7172
## ENSG00000196189.14	61	55	80	70	61
## ENSG00000252236.1	0	0	0	0	0
## ENSG00000160785.14	3110	3755	3328	3790	3576
## ENSG00000260238.6	27	27	26	12	29
## ENSG00000160783.19	1129	1163	1159	1358	1453
## ENSG00000242252.2	3	2	3	2	5
## ENSG00000160781.17	37	35	57	48	32
## ENSG00000198952.8	11460	12378	12230	12259	13121
## ENSG00000163472.19	251	275	276	270	303
## ENSG00000198715.13	2751	3230	2876	3103	3423
## ENSG00000189030.10	0	1	2	0	0
## ENSG00000163468.15	42146	47175	45320	45338	49562
## ENSG00000163467.12	27	35	27	30	20
## ENSG00000132677.13	7	8	6	7	4
## ENSG00000237390.1	0	0	0	0	0
## ENSG00000125462.20	16	8	6	13	12
## ENSG00000207933.3	0	0	0	0	0
## ENSG00000116604.19	1635	1892	2063	2014	2144
## ENSG00000206651.1	0	1	0	0	0
## ENSG00000288835.1	0	0	2	0	0
## ENSG00000289593.2	0	0	1	0	0
## ENSG00000260460.1	0	0	0	0	1
## ENSG00000183856.11	3139	3682	3771	3862	3714
## ENSG00000187862.13	6	1	8	1	3
## ENSG00000163382.13	6748	7776	7141	7737	9538
## ENSG00000160818.17	1	2	2	5	3
## ENSG00000272971.1	1	0	0	0	0
## ENSG00000132702.13	0	0	1	2	2
## ENSG00000272068.1	5	17	14	13	10
## ENSG00000132692.19	19	33	37	42	18
## ENSG00000272405.1	90	146	135	164	100
## ENSG00000229953.1	11	23	21	27	25
## ENSG00000132688.11	18532	24166	21282	20703	19198
## ENSG00000237588.2	1	0	1	0	0
## ENSG00000285570.1	1	4	2	1	0
## ENSG00000143320.9	6407	6186	8023	6490	8923
## ENSG00000223356.1	0	3	6	5	2
## ENSG00000143319.17	5582	6526	6125	6118	6499
## ENSG00000143303.12	1092	1253	1179	1305	1355
## ENSG00000143314.12	2018	2326	2205	2419	2695
## ENSG00000143321.19	43920	55205	49167	49547	58385
## ENSG00000143294.15	5958	7037	6434	7128	7688
## ENSG00000287624.1	2	3	2	2	1
## ENSG0000027869.12	157	109	134	128	158
## ENSG00000198400.14	31	13	20	26	31
## ENSG0000027644.5	36	28	25	23	32
## ENSG00000187800.14	12	22	19	36	25
## ENSG00000160838.14	0	1	1	4	4
## ENSG00000132694.19	2983	4003	3828	4259	3466
## ENSG00000211581.1	0	2	0	3	1
## ENSG00000266160.2	0	0	0	0	0

## ENSG00000237842.2	3	11	9	10	9
## ENSG00000224520.2	243	305	237	292	362
## ENSG00000253831.3	2	0	0	0	0
## ENSG00000117036.12	2999	3677	3712	4005	3210
## ENSG00000235700.1	1	2	0	1	1
## ENSG00000290592.1	0	0	0	0	0
## ENSG00000229961.4	0	0	0	0	0
## ENSG00000284592.2	0	0	0	0	0
## ENSG00000228239.1	0	0	0	0	0
## ENSG00000271736.2	4	6	3	6	5
## ENSG00000286073.1	1	1	0	2	2
## ENSG00000286151.1	0	7	0	5	1
## ENSG00000286005.1	0	0	0	0	0
## ENSG00000143297.19	0	0	0	0	0
## ENSG00000163518.11	0	0	0	0	0
## ENSG00000236731.1	0	0	0	0	0
## ENSG00000233712.2	0	0	0	0	0
## ENSG00000160856.21	1	2	0	0	0
## ENSG00000227217.1	0	0	0	0	0
## ENSG00000231700.3	0	1	0	0	0
## ENSG00000232366.1	0	0	0	0	0
## ENSG00000132704.16	0	0	0	0	0
## ENSG00000163534.15	0	0	0	0	0
## ENSG00000073754.6	0	0	0	0	0
## ENSG00000227425.1	0	0	0	0	0
## ENSG00000236957.8	0	0	0	0	0
## ENSG00000291226.1	0	0	0	0	0
## ENSG00000183853.18	7864	10198	9368	10701	9322
## ENSG00000226520.1	1	1	0	2	0
## ENSG00000288460.1	0	1	0	0	0
## ENSG00000231666.7	2	1	0	0	0
## ENSG00000227295.2	11	5	6	5	8
## ENSG00000158473.8	24	8	23	15	18
## ENSG00000229914.1	0	0	0	0	0
## ENSG00000176320.2	0	0	0	0	0
## ENSG00000158477.7	0	0	0	0	0
## ENSG00000230942.1	0	0	0	0	0
## ENSG00000158481.13	0	0	0	0	0
## ENSG00000158485.11	0	0	0	0	0
## ENSG00000158488.16	1	0	1	0	1
## ENSG00000186306.1	0	0	0	0	0
## ENSG00000180708.6	0	0	0	0	0
## ENSG00000203758.4	0	0	0	0	0
## ENSG00000236257.1	2	4	3	10	12
## ENSG00000173285.5	0	0	0	0	0
## ENSG00000198965.5	0	0	0	0	0
## ENSG00000236656.1	0	0	0	0	0
## ENSG00000198703.2	0	0	0	0	0
## ENSG00000227445.1	0	0	0	0	0
## ENSG00000231434.1	23	21	21	32	35
## ENSG00000197532.3	0	0	0	0	0
## ENSG00000186440.3	0	0	0	0	0
## ENSG00000279111.2	0	0	0	0	0
## ENSG00000198967.5	0	1	0	0	0

## ENSG00000163554.15	0	1	1	0	0
## ENSG00000231237.1	0	0	0	0	0
## ENSG00000196171.3	0	0	0	0	0
## ENSG00000203757.2	0	1	0	2	2
## ENSG00000180437.5	0	0	0	0	0
## ENSG00000226949.1	0	0	0	0	0
## ENSG00000197403.5	0	0	0	0	0
## ENSG00000180433.6	0	0	0	1	0
## ENSG00000188340.3	0	0	0	0	0
## ENSG00000229724.1	0	0	0	0	0
## ENSG00000180409.3	0	0	0	0	0
## ENSG00000163563.8	0	0	0	0	0
## ENSG00000229849.1	0	0	0	0	0
## ENSG00000163564.15	0	1	0	0	0
## ENSG00000163565.20	426	515	483	477	434
## ENSG00000289721.1	0	0	0	0	0
## ENSG00000163568.16	65	48	74	61	75
## ENSG00000233473.2	2	0	0	2	0
## ENSG00000162706.13	614	530	645	498	773
## ENSG00000222552.1	0	0	0	0	0
## ENSG00000225670.4	2	4	3	4	2
## ENSG00000213088.13	20	13	7	6	17
## ENSG00000215846.6	0	0	0	0	0
## ENSG00000248642.1	0	0	0	0	0
## ENSG00000179639.11	2	0	0	2	3
## ENSG00000196266.6	0	0	0	0	0
## ENSG00000228560.1	0	0	0	0	0
## ENSG00000248442.2	0	0	0	0	0
## ENSG00000251686.1	0	0	0	0	0
## ENSG00000249197.1	0	0	0	0	0
## ENSG00000249730.1	0	0	0	0	0
## ENSG00000196184.10	0	0	0	0	0
## ENSG00000224943.1	0	0	0	0	0
## ENSG00000289484.1	2	1	0	1	2
## ENSG00000184155.8	0	0	0	0	0
## ENSG00000231100.1	0	0	1	0	0
## ENSG00000271890.1	0	0	0	0	0
## ENSG00000132703.4	8	8	4	8	11
## ENSG00000158731.2	1	0	0	0	0
## ENSG00000276632.1	0	0	0	0	0
## ENSG00000223603.1	0	0	0	0	0
## ENSG00000132693.12	0	0	0	0	0
## ENSG00000235226.1	0	0	0	0	0
## ENSG00000288775.2	1	0	0	1	0
## ENSG00000158716.9	1132	1279	1181	1363	1605
## ENSG00000181036.14	1	0	1	0	0
## ENSG00000158714.11	0	1	0	0	0
## ENSG00000256029.6	0	4	0	4	3
## ENSG00000188004.11	0	0	1	0	0
## ENSG00000212161.1	0	0	0	0	0
## ENSG00000243284.1	0	0	0	0	0
## ENSG00000272668.2	8	4	7	11	4
## ENSG00000213085.10	225	132	197	147	183
## ENSG00000290105.1	1	0	1	0	0

## ENSG00000266458.1	0	0	0	0	0
## ENSG00000287040.1	0	0	0	0	0
## ENSG00000279430.1	0	0	0	1	0
## ENSG00000158710.15	44728	50202	48190	48936	58743
## ENSG00000085552.18	7566	7542	7850	8368	9434
## ENSG00000162723.10	1	1	2	1	2
## ENSG00000224259.9	1	2	0	1	0
## ENSG00000273933.1	0	0	0	0	0
## ENSG00000177807.10	3	1	3	9	3
## ENSG00000237409.2	0	2	1	0	0
## ENSG00000143315.8	1877	2522	2120	2340	2264
## ENSG00000225279.2	1	9	1	1	2
## ENSG00000162728.5	1	2	2	3	3
## ENSG00000162729.14	3344	4154	3833	4304	5201
## ENSG00000018625.15	63	27	76	34	67
## ENSG00000132681.17	0	0	0	1	1
## ENSG00000143318.13	42	39	47	37	28
## ENSG00000227741.1	4	4	4	2	2
## ENSG00000162734.13	5816	6875	6521	6998	7475
## ENSG00000132716.19	2313	3160	2906	3391	2904
## ENSG00000258465.8	3	0	1	0	5
## ENSG00000228606.4	26	36	32	35	22
## ENSG00000224261.2	4	4	16	11	8
## ENSG00000162735.19	4451	5489	4946	5750	5336
## ENSG00000122218.17	21698	28627	26273	29297	25202
## ENSG00000235082.2	18	13	18	18	21
## ENSG00000202078.1	0	0	2	0	0
## ENSG00000162736.18	10045	13072	11767	14665	12170
## ENSG00000171786.6	18	22	33	30	40
## ENSG00000201608.1	0	0	0	0	0
## ENSG00000162738.7	8742	10799	10407	11629	10936
## ENSG00000162739.14	0	0	0	0	0
## ENSG00000234425.1	0	2	0	0	0
## ENSG00000066294.15	0	0	0	0	1
## ENSG00000117090.16	1	5	1	0	0
## ENSG00000235101.1	0	0	0	0	0
## ENSG00000228863.8	0	2	0	0	1
## ENSG00000117091.10	0	0	0	0	0
## ENSG00000026751.17	364	188	352	183	319
## ENSG00000275801.1	0	0	0	0	0
## ENSG00000274562.1	0	0	0	0	0
## ENSG00000122224.18	4	4	1	4	5
## ENSG00000122223.13	26	39	23	28	20
## ENSG00000226003.2	0	0	0	0	0
## ENSG00000179914.5	127	256	126	263	201
## ENSG00000213080.3	57	113	70	86	97
## ENSG00000232188.1	2	4	2	3	1
## ENSG00000198358.4	12	19	17	18	21
## ENSG00000233691.2	2	3	0	0	0
## ENSG00000158764.7	248	281	244	327	264
## ENSG00000158769.19	11466	17021	14204	15736	14087
## ENSG00000270149.5	6	15	8	20	6
## ENSG00000232879.2	2	2	1	0	0
## ENSG00000215845.11	616	653	662	666	736

## ENSG00000158773.14	3562	4219	3882	4710	4495
## ENSG00000289121.1	8	3	4	2	1
## ENSG00000186517.14	22	27	25	21	25
## ENSG00000143217.9	63	114	101	147	100
## ENSG00000228917.1	0	0	0	1	1
## ENSG00000162755.14	363	359	349	357	438
## ENSG00000143256.5	2333	2659	2768	3013	3337
## ENSG00000158793.14	1749	1991	1999	2053	2174
## ENSG00000158796.17	1481	1736	1604	1760	1891
## ENSG00000238934.1	1	1	0	0	1
## ENSG00000143222.12	6337	7262	6864	6837	7074
## ENSG00000224985.1	102	152	122	132	128
## ENSG00000143258.17	2170	2471	2452	2468	2726
## ENSG00000290115.1	0	0	2	0	3
## ENSG00000143224.18	946	1009	951	906	1176
## ENSG00000158850.15	3896	4587	4492	4838	5228
## ENSG00000158859.10	16	10	19	18	28
## ENSG00000158864.13	9019	10898	10266	10700	10918
## ENSG00000158869.11	29	39	43	53	44
## ENSG00000158874.11	2149	4250	4380	6514	3323
## ENSG00000158882.15	2091	2767	2169	2610	2470
## ENSG00000284035.1	0	2	0	0	0
## ENSG00000143257.12	85	130	103	129	108
## ENSG00000248485.2	41	92	52	73	44
## ENSG00000158887.19	66	53	91	61	100
## ENSG00000143252.16	7883	10303	9149	10469	10115
## ENSG00000289106.2	214	344	292	291	216
## ENSG00000188931.4	407	526	550	587	428
## ENSG00000288670.1	191	281	281	293	232
## ENSG00000236484.2	1	0	1	1	1
## ENSG00000289141.2	1	3	1	0	2
## ENSG00000283696.1	21	29	30	32	25
## ENSG00000288093.1	6	9	12	18	17
## ENSG00000206921.1	0	0	0	0	0
## ENSG00000283360.1	1	2	3	0	3
## ENSG00000215840.3	13	24	22	36	45
## ENSG00000277882.1	0	0	0	0	0
## ENSG00000283317.1	3	5	0	0	2
## ENSG00000143226.16	35	57	46	63	32
## ENSG00000273112.1	0	0	0	0	0
## ENSG00000289273.1	0	0	0	0	0
## ENSG00000173110.8	14	19	20	20	10
## ENSG00000224203.2	0	0	0	0	0
## ENSG00000203747.13	0	0	0	0	0
## ENSG00000289768.1	0	0	0	0	0
## ENSG00000224515.1	0	0	0	0	0
## ENSG00000244682.8	12	16	5	5	8
## ENSG00000225217.1	5	4	4	9	8
## ENSG00000231586.2	0	0	0	0	0
## ENSG00000162747.13	0	0	0	0	0
## ENSG00000072694.22	8	4	8	2	13
## ENSG00000234211.2	0	0	0	0	0
## ENSG00000293173.1	0	0	0	0	0
## ENSG00000213075.8	0	0	0	0	0

## ENSG00000199595.1	0	0	0	0	0
## ENSG00000132185.18	0	0	0	0	0
## ENSG00000162746.15	28	35	29	29	25
## ENSG00000241347.3	0	0	0	0	0
## ENSG00000226889.4	46	40	38	48	39
## ENSG00000081721.12	1070	1370	1192	1383	1228
## ENSG00000118217.7	4687	5959	5430	5872	4943
## ENSG00000293219.1	1	1	0	1	4
## ENSG00000229808.2	0	0	0	0	0
## ENSG00000162745.11	171	133	270	157	173
## ENSG00000227818.1	0	0	0	0	0
## ENSG00000198929.13	170	246	220	247	205
## ENSG00000285636.2	0	0	1	0	0
## ENSG00000266144.1	0	0	0	0	0
## ENSG00000227094.1	0	0	0	1	0
## ENSG00000252262.1	0	2	0	0	0
## ENSG00000207729.3	0	0	0	0	0
## ENSG00000254706.3	11	19	9	8	10
## ENSG00000171722.13	2	4	9	6	2
## ENSG00000239887.6	673	1051	816	1086	964
## ENSG00000198574.6	1	2	1	1	0
## ENSG00000289713.1	0	0	0	0	0
## ENSG00000227243.3	0	0	0	0	0
## ENSG00000152332.16	3130	4482	3981	4274	2965
## ENSG00000227941.1	0	0	0	0	0
## ENSG00000259788.1	1	0	0	0	0
## ENSG00000117143.14	2579	2997	3143	3075	2707
## ENSG00000272574.1	5	2	7	5	0
## ENSG00000162733.19	144	265	260	406	216
## ENSG00000243173.3	0	0	0	0	0
## ENSG00000132196.16	1671	2285	1831	2222	2056
## ENSG00000185860.14	28	66	28	45	30
## ENSG00000230739.1	0	0	0	0	0
## ENSG00000227667.1	1	0	0	0	0
## ENSG00000117152.14	15223	25747	18927	24913	18791
## ENSG00000143248.13	2333	3973	2793	3108	3366
## ENSG00000232892.1	1	1	1	1	3
## ENSG00000225755.2	0	0	0	0	0
## ENSG00000232995.7	18	35	23	26	13
## ENSG00000237756.1	0	0	0	0	0
## ENSG00000143228.13	1027	1221	1131	1241	1175
## ENSG00000225122.1	0	0	0	0	0
## ENSG00000200327.1	0	0	0	0	0
## ENSG00000212527.1	0	0	0	0	0
## ENSG00000228289.1	0	0	0	0	0
## ENSG00000212538.2	0	0	0	0	0
## ENSG00000225719.2	0	0	0	0	0
## ENSG00000199849.1	0	0	0	0	0
## ENSG00000213070.3	8	8	7	11	10
## ENSG00000185630.20	17072	20976	19914	19939	18390
## ENSG00000207082.1	0	0	0	0	0
## ENSG00000269887.1	21	31	16	23	18
## ENSG00000276359.1	0	1	0	0	0
## ENSG00000233693.1	0	1	0	0	0

## ENSG00000271917.1	0	0	0	1	1
## ENSG00000201987.1	0	0	0	0	0
## ENSG00000289408.2	0	0	0	0	0
## ENSG00000225487.2	1	0	2	2	6
## ENSG00000201270.1	0	0	0	0	0
## ENSG00000162761.14	460	408	521	392	400
## ENSG00000224702.1	2	0	4	1	0
## ENSG00000238022.2	0	0	0	0	0
## ENSG00000143171.13	40	8	45	14	27
## ENSG00000237463.7	0	0	0	0	0
## ENSG00000230748.1	0	0	0	0	0
## ENSG00000162763.4	0	0	1	0	0
## ENSG00000237783.2	0	0	0	0	0
## ENSG00000236206.2	3	0	1	0	0
## ENSG00000143198.13	8950	9861	9900	10588	12131
## ENSG00000143149.13	6761	9049	7813	8451	8177
## ENSG00000206990.1	0	0	0	0	0
## ENSG00000230175.1	0	0	0	0	0
## ENSG00000225272.2	0	0	1	0	0
## ENSG00000293132.1	0	0	3	1	0
## ENSG00000273365.1	2	2	2	1	1
## ENSG00000215838.5	1	0	0	1	0
## ENSG00000143183.18	8982	12105	9220	11332	10844
## ENSG00000224358.1	10	27	12	18	17
## ENSG00000230659.3	2	1	0	2	1
## ENSG00000143179.16	3905	4836	4722	5246	5084
## ENSG00000236364.4	18	15	33	22	16
## ENSG00000283936.1	0	0	0	0	0
## ENSG00000271527.1	0	0	0	0	0
## ENSG00000226292.1	0	0	1	1	0
## ENSG00000207341.1	0	0	0	0	0
## ENSG00000188859.7	1591	3119	1840	2998	1779
## ENSG00000203307.2	1	1	1	2	0
## ENSG00000230898.1	3	6	4	8	1
## ENSG00000215952.1	0	0	0	0	0
## ENSG00000229588.3	83	177	129	203	120
## ENSG00000215835.2	33	30	33	34	40
## ENSG00000225325.1	0	0	0	0	0
## ENSG00000230231.1	1	1	1	0	1
## ENSG00000234142.2	0	0	0	0	2
## ENSG00000238087.3	0	8	4	9	4
## ENSG00000290604.1	33	119	77	116	59
## ENSG00000215834.11	0	0	0	2	0
## ENSG00000234984.1	0	0	0	0	0
## ENSG00000232341.2	16	11	12	15	17
## ENSG00000232148.1	0	0	0	0	0
## ENSG00000232223.1	0	0	0	0	0
## ENSG00000143157.12	6050	9523	7320	9066	7803
## ENSG00000152382.6	1781	2676	2118	2681	2227
## ENSG00000225171.2	5	2	2	3	2
## ENSG00000143195.13	209	208	271	257	230
## ENSG00000143194.13	2	2	6	2	2
## ENSG00000200036.1	0	0	0	0	0
## ENSG00000227907.1	1	0	0	0	0

## ENSG00000143167.12	0	4	3	0	2
## ENSG00000198842.10	0	2	0	2	0
## ENSG00000213068.3	1	1	0	0	0
## ENSG00000231605.6	0	0	0	0	0
## ENSG00000272205.2	7	4	7	6	8
## ENSG00000143190.23	3929	5358	5163	5326	4104
## ENSG00000272033.1	2	4	2	4	1
## ENSG00000198821.12	11	17	18	17	21
## ENSG00000287218.1	1	5	0	1	2
## ENSG00000233411.1	0	0	0	0	0
## ENSG00000273160.1	0	2	0	0	1
## ENSG00000227776.1	0	0	0	0	0
## ENSG00000143162.9	2433	3399	2874	3307	2965
## ENSG00000231029.2	0	0	0	0	0
## ENSG00000241666.2	0	0	0	0	0
## ENSG00000198771.11	4	46	7	72	25
## ENSG00000197965.12	15210	21482	18093	22160	18691
## ENSG00000143199.18	25	45	32	44	8
## ENSG00000250762.1	2	2	3	5	8
## ENSG00000232194.1	1	4	2	0	1
## ENSG00000143158.11	3597	6711	4236	6269	4543
## ENSG00000143164.16	3050	5118	3741	5160	3445
## ENSG00000221545.1	1	0	0	0	0
## ENSG00000224837.1	27	35	24	29	17
## ENSG00000143147.15	3155	3570	3632	3708	3672
## ENSG00000143155.13	2898	3802	3514	3564	3246
## ENSG00000237049.1	0	0	0	0	0
## ENSG00000237131.1	0	0	0	0	0
## ENSG00000213064.10	2988	4588	3719	4579	4169
## ENSG00000293109.1	0	0	0	0	0
## ENSG00000214262.5	0	0	0	0	0
## ENSG00000206880.1	0	0	0	1	0
## ENSG00000143178.13	96	90	120	119	92
## ENSG00000293102.1	1	0	0	0	0
## ENSG00000227722.3	0	0	0	0	0
## ENSG00000207974.1	0	0	0	0	0
## ENSG00000228697.6	0	2	0	1	1
## ENSG00000283255.1	0	0	0	0	0
## ENSG00000215833.3	0	0	2	1	1
## ENSG00000143185.4	0	1	1	0	0
## ENSG00000227777.1	0	0	0	2	0
## ENSG00000143184.5	5	5	7	10	5
## ENSG00000229757.2	0	0	1	2	0
## ENSG00000143196.5	0	0	0	0	0
## ENSG00000285622.2	0	0	0	1	0
## ENSG00000235736.1	0	0	0	0	0
## ENSG00000225826.2	3	0	2	0	0
## ENSG00000229612.1	0	0	0	1	1
## ENSG00000287831.1	5	0	3	3	2
## ENSG00000203601.3	0	0	1	0	1
## ENSG00000213063.3	0	0	0	0	0
## ENSG00000287282.1	0	0	0	0	0
## ENSG00000252987.1	0	0	0	0	0
## ENSG00000237707.1	0	0	0	0	0

## ENSG00000143153.14	20842	31462	27416	32247	25215
## ENSG00000289466.1	2	1	3	1	1
## ENSG00000143156.14	1488	1743	1639	1517	1757
## ENSG00000235575.1	0	0	0	0	0
## ENSG00000117475.14	1132	1589	1300	1463	1143
## ENSG00000117477.13	398	310	441	295	332
## ENSG00000117479.15	2184	3080	2575	3042	2544
## ENSG00000234604.2	4	7	8	2	0
## ENSG00000213062.5	173	230	239	242	203
## ENSG00000198734.12	203	984	273	915	438
## ENSG00000174175.17	1	1	0	0	0
## ENSG00000000460.17	1415	1724	1560	1714	1550
## ENSG00000188404.10	8	21	5	10	10
## ENSG00000007908.16	0	0	0	0	0
## ENSG00000230704.1	0	0	0	0	0
## ENSG00000171806.12	527	661	570	544	526
## ENSG00000000457.14	636	913	757	907	696
## ENSG00000239494.2	1	4	3	6	2
## ENSG00000288139.1	0	0	0	0	0
## ENSG00000075945.13	2346	2654	2706	2563	2407
## ENSG00000243051.3	1	0	0	0	0
## ENSG00000235378.2	0	2	0	1	0
## ENSG00000232959.1	0	0	0	0	0
## ENSG00000224896.2	0	0	0	2	0
## ENSG00000203740.4	3	14	5	12	7
## ENSG00000283340.1	0	0	0	0	0
## ENSG00000263390.1	0	0	0	0	0
## ENSG00000233985.2	0	0	0	0	0
## ENSG00000238051.1	0	0	0	0	0
## ENSG00000224286.6	0	0	0	0	0
## ENSG00000226967.1	0	0	0	0	0
## ENSG00000231407.6	6	5	8	10	1
## ENSG00000120370.14	494	788	604	821	596
## ENSG00000225545.1	0	0	0	0	0
## ENSG00000235303.1	0	3	0	0	1
## ENSG00000116132.12	2	4	4	23	24
## ENSG00000271811.1	0	0	0	0	0
## ENSG00000231424.3	13	9	11	19	7
## ENSG00000117501.15	0	0	0	1	0
## ENSG00000226552.2	0	0	0	0	0
## ENSG00000007933.13	4	4	6	3	1
## ENSG00000221390.1	0	0	0	0	0
## ENSG00000283598.1	0	0	0	0	0
## ENSG00000293458.1	0	0	1	0	0
## ENSG00000117507.7	0	0	0	0	0
## ENSG00000094963.14	2	1	0	0	0
## ENSG00000225243.5	0	0	0	0	0
## ENSG00000010932.17	11	40	36	106	38
## ENSG00000206692.1	0	0	0	0	0
## ENSG00000230547.1	1	0	0	0	0
## ENSG00000076258.10	115	144	129	99	132
## ENSG00000285665.1	10	11	11	10	13
## ENSG00000268062.1	0	1	1	4	1
## ENSG00000239428.2	0	0	1	0	0

## ENSG00000234333.2	0	0	0	0	0
## ENSG00000117523.18	22832	30292	28416	31788	23988
## ENSG00000283683.2	0	0	1	0	0
## ENSG00000034971.17	1	0	0	0	1
## ENSG00000233328.3	29	35	31	40	76
## ENSG00000230364.1	27	33	31	33	58
## ENSG00000117533.15	513	678	661	605	529
## ENSG00000232261.1	0	0	0	0	0
## ENSG00000271459.1	0	0	0	0	0
## ENSG00000236741.4	0	0	0	0	0
## ENSG00000253060.1	0	0	0	0	0
## ENSG00000010165.20	4219	4956	4588	4869	5100
## ENSG00000213060.4	1	2	0	3	1
## ENSG00000197959.15	18	24	27	33	23
## ENSG00000224600.5	0	0	0	0	0
## ENSG00000233540.1	0	0	0	2	0
## ENSG00000230630.5	3	9	6	9	5
## ENSG00000283844.1	0	0	0	0	0
## ENSG00000283152.1	0	0	0	0	0
## ENSG00000208024.1	0	0	0	0	0
## ENSG00000287336.1	3	6	0	0	1
## ENSG00000206684.1	0	0	0	0	0
## ENSG00000135845.10	2145	2680	2596	2576	2731
## ENSG00000180999.11	3	4	6	6	5
## ENSG00000094975.15	5012	6600	6302	6331	4973
## ENSG00000251943.1	0	0	0	0	0
## ENSG00000117560.8	0	0	0	0	0
## ENSG00000229785.1	4	1	0	2	4
## ENSG00000279061.1	0	0	0	0	0
## ENSG00000224228.2	0	0	0	0	1
## ENSG00000227177.1	0	0	0	0	0
## ENSG00000224000.1	0	0	0	3	0
## ENSG00000120337.10	2	1	0	10	3
## ENSG00000230849.2	4	3	3	3	3
## ENSG00000226375.1	0	0	2	1	0
## ENSG00000117586.11	110	150	172	218	146
## ENSG00000232751.1	0	0	3	0	3
## ENSG00000231615.2	0	0	0	0	0
## ENSG00000203739.6	94	102	95	111	103
## ENSG00000117592.9	30328	35454	34130	32779	37051
## ENSG00000162753.13	3	5	2	3	4
## ENSG00000238272.1	2	0	0	0	0
## ENSG00000285777.1	1	1	0	3	2
## ENSG00000183831.7	105	83	126	73	112
## ENSG00000232113.3	0	0	0	0	0
## ENSG00000289426.1	119	48	163	54	27
## ENSG00000076321.11	1048	1200	1256	1299	1051
## ENSG00000225591.2	8	9	14	16	18
## ENSG00000200674.1	0	2	3	1	3
## ENSG00000120334.16	647	770	771	810	714
## ENSG00000252357.1	0	0	0	0	0
## ENSG00000117593.12	3264	3983	3606	3890	3225
## ENSG00000234741.10	14105	18005	17791	21290	17729
## ENSG00000270084.2	36	38	49	25	27

## ENSG00000185278.16	486	875	734	870	517
## ENSG00000117601.15	47	94	64	107	45
## ENSG00000252231.1	0	0	0	0	0
## ENSG00000135870.12	2640	4145	3373	3580	3164
## ENSG00000200755.1	0	0	0	0	0
## ENSG00000236535.1	0	0	2	2	0
## ENSG00000224977.2	9	11	1	2	6
## ENSG00000225713.5	0	0	0	0	0
## ENSG00000227373.6	5	18	12	6	14
## ENSG00000152061.24	1788	2039	2004	1911	1577
## ENSG00000237317.2	0	0	0	0	0
## ENSG00000203737.5	0	0	0	0	0
## ENSG00000223828.1	1	0	2	1	0
## ENSG00000231378.1	0	0	0	0	0
## ENSG00000237249.1	0	0	0	0	0
## ENSG00000223525.1	0	0	0	0	0
## ENSG00000235869.1	1	0	0	0	0
## ENSG00000229531.6	0	0	0	0	1
## ENSG00000289425.1	0	0	0	0	0
## ENSG00000252552.1	0	1	0	4	0
## ENSG00000287697.1	7	12	6	9	2
## ENSG00000116161.18	8458	9352	9600	8599	9849
## ENSG00000120333.4	1684	2027	1960	2056	2070
## ENSG00000206659.1	0	0	0	0	0
## ENSG00000181101.7	3	1	1	1	1
## ENSG00000120332.17	24	14	13	23	12
## ENSG00000235750.10	1241	1480	1328	1526	1340
## ENSG00000230687.1	0	0	0	0	0
## ENSG00000233946.2	0	0	0	0	0
## ENSG00000260990.1	0	0	0	0	0
## ENSG00000116147.18	160	179	221	169	184
## ENSG00000235628.1	0	0	0	0	0
## ENSG00000224718.1	0	0	0	0	1
## ENSG00000227740.2	4	7	3	7	7
## ENSG00000230777.1	10	9	12	19	31
## ENSG00000143207.21	5181	6312	5506	6020	5307
## ENSG00000252906.1	0	0	1	1	0
## ENSG00000228686.2	11	10	13	11	8
## ENSG00000236021.4	10	10	18	22	18
## ENSG00000273629.1	0	0	0	0	0
## ENSG00000232463.1	0	0	0	0	0
## ENSG00000253025.1	0	0	0	0	0
## ENSG00000227815.2	0	1	0	0	0
## ENSG00000231020.1	0	0	0	0	0
## ENSG00000225904.1	0	0	0	0	0
## ENSG00000116183.11	346	507	518	500	424
## ENSG00000237514.3	3	1	4	1	3
## ENSG00000286754.1	0	0	0	0	0
## ENSG00000152092.16	86	64	98	49	107
## ENSG00000202609.4	0	0	0	0	0
## ENSG00000198797.7	20	9	21	12	17
## ENSG00000224968.4	2	0	1	0	1
## ENSG00000227579.6	0	0	1	2	0
## ENSG00000236720.2	0	0	0	0	0

## ENSG00000120341.19	2	1	0	1	0
## ENSG00000254154.8	0	0	0	0	0
## ENSG00000293477.1	41	49	54	57	44
## ENSG00000242193.12	0	0	0	1	0
## ENSG00000276563.1	0	0	0	0	0
## ENSG00000224687.2	23	24	33	24	39
## ENSG00000075391.18	1609	1923	1934	1969	1631
## ENSG00000270575.1	0	0	1	0	0
## ENSG00000213058.3	333	365	409	448	579
## ENSG00000188585.10	0	0	0	0	0
## ENSG00000264809.2	0	0	0	0	0
## ENSG00000285910.1	0	0	0	0	1
## ENSG00000240021.10	1	0	0	0	1
## ENSG00000213057.5	22	25	27	22	13
## ENSG00000201347.1	0	0	0	0	0
## ENSG00000273384.1	4	4	6	6	6
## ENSG00000266417.1	0	0	0	0	0
## ENSG00000273062.1	29	57	35	34	46
## ENSG00000116191.19	5140	7303	6127	6300	5223
## ENSG00000228196.1	0	3	1	1	0
## ENSG00000201791.1	0	0	0	0	0
## ENSG00000116194.13	1	4	1	3	4
## ENSG00000289432.2	0	0	0	0	0
## ENSG00000116199.12	5083	6075	5942	6342	5346
## ENSG00000232750.2	2	1	0	2	1
## ENSG00000186283.14	3195	3871	3550	3918	3988
## ENSG00000143322.22	3624	4311	4188	4273	3433
## ENSG00000234041.1	0	0	1	0	0
## ENSG00000231905.2	0	0	0	0	0
## ENSG00000212338.1	0	0	0	0	0
## ENSG00000201619.1	0	0	0	0	0
## ENSG00000231564.1	0	0	0	1	1
## ENSG00000225711.1	1	1	1	0	0
## ENSG00000223794.1	0	0	0	0	0
## ENSG00000228191.1	0	0	0	0	0
## ENSG00000057252.13	10062	13140	11888	11896	10810
## ENSG00000162779.22	2	5	6	4	8
## ENSG00000224620.2	0	0	0	0	0
## ENSG00000236539.3	5	3	5	9	6
## ENSG00000261250.1	0	0	0	1	0
## ENSG00000116218.13	0	0	0	0	0
## ENSG00000251875.1	0	0	0	0	0
## ENSG00000227141.2	4	5	2	5	3
## ENSG00000261060.1	0	0	1	0	1
## ENSG00000162782.16	7	4	11	6	17
## ENSG00000243062.6	0	1	1	0	0
## ENSG00000143340.7	403	374	506	342	425
## ENSG00000229407.5	57	47	67	74	70
## ENSG00000231966.1	16	12	14	16	7
## ENSG00000169905.13	6305	9333	7910	9052	7771
## ENSG00000272906.1	3	10	7	3	5
## ENSG00000143337.19	3934	6231	4824	6321	4454
## ENSG00000264916.2	1	0	0	0	0
## ENSG00000261831.2	0	0	0	0	2

## ENSG00000260360.2	9	11	11	7	6
## ENSG00000135837.17	5331	8403	6510	8844	5339
## ENSG00000235145.2	0	0	0	1	0
## ENSG00000223450.1	0	0	0	1	0
## ENSG00000261817.1	0	0	0	0	0
## ENSG00000116260.17	18400	26761	21056	27607	26226
## ENSG00000121454.6	33	32	53	37	34
## ENSG00000230124.8	2342	2818	2627	2610	3294
## ENSG00000235060.1	1	0	1	2	2
## ENSG00000265435.1	0	0	0	0	0
## ENSG00000236719.5	0	2	0	1	0
## ENSG00000206905.1	0	0	0	0	0
## ENSG00000143324.14	15298	18492	18018	17093	15888
## ENSG00000283575.1	0	0	0	0	0
## ENSG00000225857.5	2	5	2	5	0
## ENSG00000135835.12	52	52	69	52	60
## ENSG00000243155.1	8	5	7	7	11
## ENSG00000232586.1	0	0	0	0	0
## ENSG00000251520.1	2	1	3	3	0
## ENSG00000270711.1	0	3	1	2	0
## ENSG00000135823.14	2349	3302	2913	3086	2580
## ENSG00000153029.16	91	171	147	134	113
## ENSG00000289589.2	1	1	3	0	4
## ENSG00000162783.11	534	424	581	467	583
## ENSG00000237292.1	0	0	1	0	0
## ENSG00000225359.1	0	2	0	2	1
## ENSG00000179452.2	0	0	0	0	0
## ENSG00000198216.14	37	23	36	19	25
## ENSG00000273573.1	0	0	0	0	0
## ENSG00000252977.1	0	0	0	0	0
## ENSG00000288574.1	0	0	0	0	0
## ENSG00000222397.1	0	0	0	0	0
## ENSG00000287452.2	0	0	0	0	0
## ENSG00000179930.6	8	17	6	9	15
## ENSG00000224810.1	1	3	6	1	3
## ENSG00000225982.1	1	2	3	4	2
## ENSG00000228918.5	3	0	1	3	1
## ENSG00000232309.2	0	0	0	0	0
## ENSG00000289573.1	0	0	0	0	0
## ENSG00000232096.1	0	0	0	0	1
## ENSG00000206764.1	0	0	0	0	0
## ENSG00000228664.1	0	0	0	0	0
## ENSG00000231684.3	10	11	11	13	15
## ENSG00000135821.19	35029	39803	39968	38095	40234
## ENSG00000203730.3	0	0	0	0	1
## ENSG00000203729.8	0	0	0	0	0
## ENSG00000121446.20	0	0	0	1	0
## ENSG00000270443.1	0	0	0	0	0
## ENSG00000233537.1	0	0	0	0	0
## ENSG00000135828.11	556	635	587	686	486
## ENSG00000276839.1	0	0	0	0	0
## ENSG00000143333.7	1211	1003	1562	951	1270
## ENSG00000261504.1	8	9	10	3	8
## ENSG00000135824.13	45	23	44	37	26

## ENSG00000227181.1	0	0	0	0	0
## ENSG00000271269.1	0	0	0	0	0
## ENSG00000135838.14	137	99	131	151	139
## ENSG00000287808.1	32	28	34	38	35
## ENSG00000135829.17	35780	41774	39484	40964	38157
## ENSG00000157060.16	0	0	0	0	0
## ENSG00000224040.1	2	0	3	4	0
## ENSG00000285609.1	0	0	0	0	0
## ENSG00000226570.2	0	0	1	0	1
## ENSG00000176855.11	10	11	8	12	19
## ENSG00000207472.1	0	0	0	0	0
## ENSG00000135862.6	107168	161532	126537	153728	125720
## ENSG00000224468.3	15	34	31	30	18
## ENSG00000058085.15	11577	22229	13212	18877	12996
## ENSG00000157064.11	421	546	493	496	450
## ENSG00000287929.1	20	24	11	31	21
## ENSG00000233562.1	0	0	0	0	0
## ENSG00000286372.1	0	0	1	0	0
## ENSG00000232860.10	36	31	36	41	27
## ENSG00000116698.22	8592	10337	9743	9951	8997
## ENSG00000116701.16	52	75	39	72	53
## ENSG00000289732.1	0	0	0	0	0
## ENSG00000289099.1	0	0	0	0	0
## ENSG00000286966.1	7	15	9	4	3
## ENSG00000162704.16	12349	16840	14148	15118	13942
## ENSG00000143344.16	2152	3253	2490	3176	2600
## ENSG00000173627.8	3	4	0	0	0
## ENSG00000270994.1	0	0	0	0	0
## ENSG00000227554.1	0	0	0	0	0
## ENSG00000289581.1	1	2	2	2	2
## ENSG00000198756.12	125	175	148	144	171
## ENSG00000198860.14	1960	2373	2261	2156	2228
## ENSG00000286655.1	1	0	0	0	0
## ENSG00000199840.1	0	0	0	0	0
## ENSG00000207080.2	0	0	0	0	0
## ENSG00000231791.1	0	0	0	0	0
## ENSG00000244568.3	0	0	0	0	0
## ENSG00000271387.1	2	2	6	1	5
## ENSG00000116667.15	985	1196	1278	1254	1437
## ENSG00000230470.1	0	0	0	0	0
## ENSG00000232036.2	0	0	0	0	0
## ENSG00000285847.2	6	9	12	19	9
## ENSG00000290066.1	0	0	0	0	0
## ENSG00000286378.1	0	0	2	1	0
## ENSG00000116406.20	3654	4725	4496	4797	3509
## ENSG00000135842.17	508	341	612	416	387
## ENSG00000252222.1	0	0	0	0	0
## ENSG00000260976.2	0	0	0	0	0
## ENSG00000201312.1	0	0	0	0	0
## ENSG00000121481.11	2665	3305	3200	2722	2966
## ENSG00000232792.2	0	0	1	0	3
## ENSG00000121486.12	3057	4065	3567	3537	3174
## ENSG00000116668.13	681	860	793	787	682
## ENSG00000231084.2	18	34	39	43	24

## ENSG00000213051.3	25	21	20	31	39
## ENSG00000201421.1	0	0	0	0	0
## ENSG00000206640.1	0	0	0	0	0
## ENSG00000233583.1	0	0	0	0	0
## ENSG00000252612.1	0	0	0	0	0
## ENSG00000238061.2	0	1	1	2	1
## ENSG00000279838.1	22	16	16	18	23
## ENSG00000116679.16	11080	13764	13421	13547	12464
## ENSG00000273004.1	79	68	65	88	73
## ENSG00000293113.1	1	2	3	4	0
## ENSG00000261024.8	0	0	0	0	0
## ENSG00000252407.1	0	0	0	0	0
## ENSG00000270920.1	0	0	0	0	0
## ENSG00000279401.1	0	0	0	0	0
## ENSG00000228309.7	0	0	0	0	0
## ENSG00000207108.1	0	0	0	0	0
## ENSG00000201596.1	0	0	0	0	0
## ENSG00000261729.2	0	1	0	2	0
## ENSG00000143341.12	647	3024	1238	3722	1357
## ENSG00000224691.1	0	2	0	0	0
## ENSG00000288078.1	0	0	0	0	0
## ENSG00000116690.13	5	5	6	7	3
## ENSG00000047410.14	12699	15639	15177	16958	12068
## ENSG00000202025.1	0	0	0	0	0
## ENSG00000157181.16	2176	2814	2615	2941	2251
## ENSG00000229739.4	3	16	10	12	11
## ENSG00000116703.14	0	1	1	0	0
## ENSG00000273198.1	0	0	0	2	0
## ENSG00000228238.1	0	0	0	1	0
## ENSG00000233196.2	0	0	0	0	1
## ENSG00000288562.1	0	0	0	0	0
## ENSG00000073756.13	216	217	261	213	220
## ENSG00000273129.3	1	1	0	4	1
## ENSG00000116711.10	315	363	361	344	293
## ENSG00000230426.5	14	19	17	9	8
## ENSG00000271558.1	0	0	0	0	0
## ENSG00000225462.1	1	1	4	1	3
## ENSG00000274702.1	2	1	2	3	1
## ENSG00000236401.1	0	0	0	0	0
## ENSG00000223847.1	0	0	0	0	0
## ENSG00000285894.2	0	0	0	0	0
## ENSG00000150732.8	0	0	0	0	0
## ENSG00000222240.1	0	0	0	0	0
## ENSG00000261182.1	0	0	0	0	0
## ENSG00000224278.1	0	0	0	0	0
## ENSG00000225006.1	0	0	0	0	0
## ENSG00000235083.1	0	0	0	0	0
## ENSG00000231022.1	0	0	0	0	0
## ENSG00000237283.2	0	0	0	0	0
## ENSG00000238054.3	0	0	0	0	0
## ENSG00000226486.2	0	0	0	0	0
## ENSG00000271036.1	0	0	0	0	0
## ENSG00000226196.1	0	0	0	0	0
## ENSG00000252553.1	0	0	0	0	0

## ENSG00000232212.1	0	0	0	1	1
## ENSG00000238270.1	0	0	0	0	0
## ENSG00000287472.1	0	0	0	0	0
## ENSG00000230987.2	1	0	1	0	0
## ENSG00000162670.11	39	45	61	86	61
## ENSG00000225811.1	0	0	0	0	0
## ENSG00000237457.6	4	4	5	8	2
## ENSG00000241505.1	0	0	0	0	0
## ENSG00000231175.1	0	0	0	0	0
## ENSG00000236025.1	0	0	0	0	0
## ENSG00000238108.1	0	0	0	0	0
## ENSG00000285638.1	0	0	0	0	0
## ENSG00000228020.2	0	0	0	0	0
## ENSG00000261642.1	0	0	0	0	0
## ENSG00000271187.1	0	0	0	0	0
## ENSG00000233882.2	0	0	0	0	0
## ENSG00000228215.3	0	0	0	0	0
## ENSG00000223344.1	0	0	0	0	0
## ENSG00000150681.10	4	1	1	0	2
## ENSG00000285280.2	4	5	3	2	6
## ENSG00000226723.2	17	18	16	19	17
## ENSG00000236792.1	1	6	4	2	2
## ENSG00000253148.1	0	0	1	0	0
## ENSG00000236069.2	0	0	0	0	0
## ENSG00000090104.12	0	10	3	0	0
## ENSG00000289995.1	0	0	0	0	0
## ENSG00000127074.15	0	0	0	0	0
## ENSG00000231767.5	105	152	128	200	169
## ENSG00000283795.1	0	0	0	0	0
## ENSG00000228687.1	0	0	0	0	0
## ENSG00000226814.2	0	0	0	0	0
## ENSG00000116741.8	1365	1260	1509	1374	1585
## ENSG00000223075.1	0	0	0	0	0
## ENSG00000234473.1	0	0	0	2	0
## ENSG00000116750.14	2899	3813	3569	3438	3297
## ENSG00000238754.1	0	0	1	0	0
## ENSG00000116747.13	3282	4597	4236	3827	3434
## ENSG0000023572.10	637	994	811	776	813
## ENSG00000134371.14	4383	6478	5351	5907	4952
## ENSG00000221680.1	0	0	0	0	0
## ENSG00000162630.6	85	87	90	121	117
## ENSG00000276735.1	0	0	0	0	1
## ENSG00000232077.2	2	2	2	2	2
## ENSG00000286285.1	4	0	6	9	2
## ENSG00000227240.2	0	2	3	0	0
## ENSG00000288950.1	0	0	0	0	0
## ENSG00000226640.2	0	0	0	0	0
## ENSG00000237011.1	0	0	0	0	0
## ENSG00000237213.2	0	0	0	0	0
## ENSG00000233057.1	27	14	27	53	41
## ENSG00000231714.1	0	0	0	0	0
## ENSG00000251813.1	0	0	0	0	0
## ENSG00000228167.1	1	0	0	0	0
## ENSG00000285718.2	0	0	0	0	0

## ENSG00000287364.1	0	0	0	0	0
## ENSG00000227421.2	0	0	0	0	1
## ENSG00000162687.19	434	419	541	411	415
## ENSG00000265986.1	0	0	0	0	0
## ENSG00000000971.17	2	9	1	12	5
## ENSG00000289697.1	0	0	0	0	0
## ENSG00000116785.15	0	0	0	0	0
## ENSG00000244414.8	0	0	0	0	0
## ENSG00000285986.1	0	0	0	0	0
## ENSG00000134365.15	0	0	0	0	0
## ENSG00000080910.14	0	0	1	0	0
## ENSG00000273844.1	0	0	0	0	0
## ENSG00000134389.11	2	0	0	0	1
## ENSG00000143278.5	12	15	26	26	24
## ENSG00000066279.19	3276	3858	4042	4283	3118
## ENSG00000235748.1	2	1	1	6	4
## ENSG00000177888.8	1808	2760	2264	2405	1643
## ENSG00000290127.1	0	0	1	0	0
## ENSG00000237861.1	1	1	0	1	0
## ENSG00000134376.17	2	3	4	5	2
## ENSG00000221879.3	1	0	0	2	0
## ENSG00000230260.1	0	0	0	0	0
## ENSG00000213047.13	875	1460	1069	1172	971
## ENSG00000207139.1	0	0	0	0	0
## ENSG00000213046.4	0	3	1	0	0
## ENSG00000235582.2	19	9	15	29	21
## ENSG00000233040.2	1	1	0	0	5
## ENSG00000224901.1	0	0	0	0	0
## ENSG00000203724.11	56	40	35	44	52
## ENSG00000143355.16	0	3	0	5	6
## ENSG00000151414.15	1213	2062	1616	1745	1318
## ENSG00000232824.1	0	0	0	0	0
## ENSG00000287989.1	0	0	0	0	0
## ENSG00000151418.12	0	0	0	0	0
## ENSG00000223881.2	0	0	0	0	0
## ENSG00000081237.21	0	0	0	0	0
## ENSG00000261573.1	0	0	0	0	0
## ENSG00000236278.2	0	0	0	0	0
## ENSG00000229989.6	0	0	1	0	0
## ENSG00000207975.1	0	0	0	0	0
## ENSG00000207759.1	0	0	0	0	0
## ENSG00000227747.2	0	0	0	0	0
## ENSG00000225172.6	0	0	0	0	0
## ENSG00000233410.1	0	0	0	0	0
## ENSG00000235492.1	0	0	0	0	0
## ENSG00000286541.1	0	0	0	0	0
## ENSG00000231718.1	0	0	0	0	0
## ENSG00000228190.2	0	0	0	0	0
## ENSG00000236468.1	1	0	0	0	2
## ENSG00000231984.1	0	0	0	0	0
## ENSG00000228530.1	0	0	0	0	0
## ENSG00000200139.1	0	0	0	0	0
## ENSG00000229747.1	0	0	0	0	0
## ENSG00000290125.1	0	0	0	0	0

## ENSG00000202491.1	0	0	0	0	0
## ENSG00000202329.1	0	0	0	0	0
## ENSG00000116833.14	5712	7914	6746	7537	6418
## ENSG00000252860.1	2	2	0	0	0
## ENSG00000229220.1	4	5	5	3	6
## ENSG00000233827.2	0	0	0	0	0
## ENSG00000203721.8	41	51	44	52	45
## ENSG00000273093.1	0	0	0	0	0
## ENSG00000213045.3	2	2	2	1	3
## ENSG00000230623.8	75	88	97	99	70
## ENSG00000162702.8	5437	6769	6304	6446	5765
## ENSG00000282849.1	0	1	7	0	1
## ENSG00000118193.12	1482	1888	1947	1989	1327
## ENSG00000118197.14	920	1144	1055	1257	1130
## ENSG00000260088.1	1	2	1	2	5
## ENSG00000118200.15	5554	7249	6832	6857	5861
## ENSG00000231333.2	0	2	0	0	5
## ENSG00000170128.5	0	1	0	0	0
## ENSG00000163362.11	4336	5980	4697	6042	5540
## ENSG00000233217.3	0	1	0	0	0
## ENSG00000293444.1	0	0	0	0	0
## ENSG00000201032.1	0	0	0	0	0
## ENSG00000116852.15	1062	737	1280	768	1010
## ENSG00000229191.1	39	22	52	31	39
## ENSG00000234132.2	1	0	0	0	1
## ENSG00000081248.12	3	2	3	7	5
## ENSG00000232237.5	47	73	56	62	87
## ENSG00000116857.17	6820	8433	7563	9124	9493
## ENSG00000163395.17	8	3	18	16	1
## ENSG00000229821.1	0	0	0	0	0
## ENSG00000081277.13	0	3	1	1	0
## ENSG00000118194.21	4	10	6	7	6
## ENSG00000286600.1	0	0	0	0	0
## ENSG00000159166.15	4954	6219	5530	6331	6614
## ENSG00000282221.1	235	277	271	260	203
## ENSG00000159173.20	281	322	321	354	341
## ENSG00000227048.2	0	0	0	0	0
## ENSG00000174307.7	3342	4581	3361	4542	5590
## ENSG00000224818.1	0	0	0	0	0
## ENSG00000159176.14	16579	20284	18499	18227	21396
## ENSG00000224536.2	12	10	15	8	8
## ENSG00000293257.1	7	7	15	8	12
## ENSG00000223396.5	0	0	0	0	0
## ENSG00000134369.16	5336	6372	6387	6522	5792
## ENSG00000236390.1	0	0	1	0	0
## ENSG00000231871.5	3	9	12	10	15
## ENSG00000264802.1	0	0	0	0	0
## ENSG00000235121.1	2	6	6	4	10
## ENSG00000200942.1	0	0	0	0	0
## ENSG00000221028.1	0	0	0	0	0
## ENSG00000198700.10	13796	15395	15531	15464	15046
## ENSG00000277681.1	0	2	0	0	1
## ENSG00000198892.7	183	140	211	137	199
## ENSG00000223774.5	0	0	0	0	0

## ENSG00000163431.14	111	180	167	193	141
## ENSG00000134375.11	4872	6097	5728	5933	5462
## ENSG00000206637.1	0	0	0	0	0
## ENSG00000238003.1	1	2	1	3	3
## ENSG00000176393.11	9441	11525	10916	11976	11951
## ENSG00000234678.2	192	337	278	337	267
## ENSG00000275207.1	0	2	0	0	0
## ENSG00000163435.16	5402	7576	6129	7701	6943
## ENSG00000249007.1	0	0	0	7	3
## ENSG00000232296.1	0	0	0	0	0
## ENSG00000235811.1	0	1	0	0	0
## ENSG00000212512.2	0	0	0	0	0
## ENSG00000227109.1	0	0	0	0	0
## ENSG00000170075.10	30	22	37	31	34
## ENSG00000143862.8	2171	2576	2487	2845	2927
## ENSG00000143851.16	2	3	1	1	2
## ENSG00000243323.8	0	0	0	0	0
## ENSG00000293457.1	0	0	0	0	0
## ENSG00000133067.18	58	95	122	81	67
## ENSG00000077152.12	2410	2840	2768	3171	3103
## ENSG00000077157.23	1852	2043	2298	2109	1476
## ENSG00000229120.2	0	0	0	0	0
## ENSG00000272262.1	0	0	0	0	0
## ENSG00000232626.4	1	1	1	5	6
## ENSG00000293334.1	0	0	0	0	1
## ENSG00000236439.4	53	96	70	128	133
## ENSG00000253042.1	0	0	0	0	0
## ENSG00000143858.12	925	576	957	519	615
## ENSG00000226862.1	0	3	1	0	0
## ENSG00000225620.1	3	0	0	0	0
## ENSG00000117139.18	27383	32104	31156	31283	28181
## ENSG00000235449.2	11	7	5	14	16
## ENSG00000226148.1	2	1	0	0	0
## ENSG00000260021.1	0	0	0	0	0
## ENSG00000228288.9	162	160	167	160	214
## ENSG00000293466.1	8	2	2	5	5
## ENSG00000184774.11	0	0	0	0	0
## ENSG00000291234.1	556	713	767	847	745
## ENSG00000214796.10	24	32	32	47	32
## ENSG00000293264.1	55	89	104	91	85
## ENSG00000234996.5	0	0	0	0	0
## ENSG00000183155.5	906	1062	1033	1117	1076
## ENSG00000117153.16	3340	4020	3773	4116	3571
## ENSG00000230280.2	3	17	4	17	7
## ENSG00000199471.1	0	1	0	0	0
## ENSG00000159346.13	6395	7946	7572	8262	8130
## ENSG00000159348.13	2074	2548	2329	2572	2602
## ENSG00000234761.2	0	0	1	0	0
## ENSG00000290909.1	0	0	0	0	0
## ENSG00000231547.1	0	0	0	0	0
## ENSG00000163444.12	6716	7945	7260	7886	8026
## ENSG00000143847.16	21	25	25	32	10
## ENSG00000122180.5	1	0	0	0	0
## ENSG00000163485.18	71	120	112	151	97

## ENSG00000234775.2	0	0	0	0	0
## ENSG00000224671.2	0	0	0	0	0
## ENSG00000133055.10	1	2	7	4	2
## ENSG00000133048.13	1006	947	3016	1404	769
## ENSG00000133063.16	1	2	0	3	0
## ENSG00000236523.2	3	1	4	4	5
## ENSG00000231507.4	7	2	6	1	5
## ENSG00000288925.1	0	0	0	0	0
## ENSG00000233791.7	2	4	3	5	4
## ENSG00000159388.6	12377	18949	14790	19418	17148
## ENSG00000202300.1	0	0	0	0	0
## ENSG00000122176.12	265	284	534	437	313
## ENSG00000229652.1	0	0	0	0	0
## ENSG00000271588.1	0	0	0	0	0
## ENSG00000188783.6	5	10	5	7	6
## ENSG00000188770.10	1	0	4	1	2
## ENSG00000058668.16	17289	15206	19203	14207	16544
## ENSG00000236035.2	3	7	2	8	6
## ENSG00000221643.1	0	1	3	1	1
## ENSG00000122188.13	0	0	0	1	1
## ENSG00000257315.4	38	61	48	76	34
## ENSG00000058673.17	28	53	45	46	25
## ENSG00000288644.1	0	0	0	0	0
## ENSG00000227417.3	0	0	0	0	0
## ENSG00000223505.2	0	0	1	0	2
## ENSG00000182004.13	8151	9593	8988	9685	10451
## ENSG00000236430.1	0	1	2	0	0
## ENSG00000232917.5	4	7	7	7	9
## ENSG00000237379.1	0	0	1	0	0
## ENSG00000286383.2	1	1	1	1	1
## ENSG00000176754.13	0	0	0	0	0
## ENSG00000286572.1	1	0	1	0	1
## ENSG00000143842.15	2066	2408	2486	2676	2828
## ENSG00000261065.1	0	0	0	0	0
## ENSG00000143845.15	1082	1027	1094	1022	1435
## ENSG00000230550.2	1	1	2	3	0
## ENSG00000143839.15	2	28	6	42	29
## ENSG00000225522.2	0	0	0	0	0
## ENSG00000170498.10	8	10	6	2	13
## ENSG00000174567.8	204	265	243	303	289
## ENSG00000143850.16	1792	2362	2190	2379	2353
## ENSG00000231691.2	0	0	0	0	0
## ENSG00000219133.2	11	17	24	25	27
## ENSG00000280924.1	1	3	0	0	2
## ENSG00000226330.1	3	4	5	7	4
## ENSG00000237848.1	0	0	1	0	0
## ENSG00000158615.10	5021	6635	6320	6776	5630
## ENSG00000288934.2	2	14	3	5	7
## ENSG00000133056.14	2251	2620	2657	2913	2583
## ENSG00000198625.14	2026	2361	2511	2416	1934
## ENSG00000236779.1	1	0	0	1	0
## ENSG00000200408.1	0	0	0	0	0
## ENSG00000240710.1	3	4	3	6	5
## ENSG00000170382.12	914	795	973	819	1160

## ENSG00000240219.1	8	12	12	10	7
## ENSG00000228153.1	1	0	1	0	0
## ENSG00000252650.1	0	0	0	0	0
## ENSG00000251861.1	0	0	0	0	0
## ENSG00000287197.1	1	0	0	0	0
## ENSG00000163531.17	1000	567	1238	551	833
## ENSG00000229657.2	0	0	0	0	0
## ENSG00000184144.12	5	4	6	2	3
## ENSG00000174529.7	181	232	234	284	210
## ENSG00000117222.14	2906	3297	3304	3597	2889
## ENSG00000271580.1	3	4	3	6	3
## ENSG00000236108.1	0	0	0	0	0
## ENSG00000133059.18	2325	2767	2713	2829	2433
## ENSG00000213041.4	1	2	1	2	1
## ENSG00000133069.17	651	507	656	487	647
## ENSG00000225063.1	0	0	0	0	1
## ENSG00000163545.11	4471	7256	5034	6924	5989
## ENSG00000162873.15	100	122	86	138	124
## ENSG00000235363.1	241	314	301	329	416
## ENSG00000226235.1	0	1	1	0	1
## ENSG00000186007.10	78	102	92	113	88
## ENSG00000281406.2	204	317	271	379	236
## ENSG00000199059.3	5	3	2	0	0
## ENSG00000224717.1	43	46	48	59	57
## ENSG00000117266.16	1044	1174	1353	1408	1271
## ENSG00000253097.1	0	0	0	0	0
## ENSG00000174514.13	116	102	129	93	147
## ENSG00000206762.1	2	2	1	3	6
## ENSG00000158711.14	1172	1532	1474	1581	1103
## ENSG00000236942.1	3	2	0	0	1
## ENSG00000158715.6	775	787	846	883	1032
## ENSG00000275213.1	0	0	0	0	0
## ENSG00000069275.13	52300	67661	63325	63628	57437
## ENSG00000201944.1	0	1	0	2	0
## ENSG00000117280.13	1776	1865	2183	1935	1882
## ENSG00000285521.1	0	0	0	0	0
## ENSG00000133065.11	3096	3886	3814	3970	3648
## ENSG00000286619.1	1	13	6	4	1
## ENSG00000162877.13	78	56	78	54	93
## ENSG00000174502.19	1507	1985	1786	1921	1650
## ENSG00000227687.1	0	0	0	0	0
## ENSG00000276600.5	56	37	47	31	37
## ENSG00000196188.12	2115	3888	2415	3186	2111
## ENSG00000293455.1	0	1	0	2	0
## ENSG00000285417.2	0	0	0	0	0
## ENSG00000263961.8	0	0	0	0	0
## ENSG00000252692.1	0	0	0	0	0
## ENSG00000198049.7	4	4	1	6	4
## ENSG00000226780.1	0	0	0	0	0
## ENSG00000287432.1	0	0	0	0	0
## ENSG00000225483.1	0	0	0	0	1
## ENSG00000236889.1	0	2	0	0	1
## ENSG00000196550.11	173	173	169	176	161
## ENSG00000266028.8	3090	3271	3651	3349	3223

## ENSG00000229509.1	0	0	0	0	1
## ENSG00000263528.8	699	820	768	745	795
## ENSG00000278465.1	0	0	0	0	0
## ENSG00000162888.4	5	11	4	4	1
## ENSG00000261000.1	0	1	0	1	0
## ENSG00000266094.8	503	765	574	817	599
## ENSG00000234981.1	19	12	19	33	29
## ENSG00000279946.1	0	0	0	0	0
## ENSG00000143486.16	4559	5349	4980	5278	5309
## ENSG00000237605.3	8	16	15	7	7
## ENSG00000143479.18	926	662	991	678	1017
## ENSG00000162889.11	6805	8446	8367	8795	8414
## ENSG00000224114.1	390	447	477	461	696
## ENSG00000199349.1	0	0	0	0	1
## ENSG00000136634.7	0	0	1	0	0
## ENSG00000142224.18	0	1	0	1	0
## ENSG00000162891.11	0	0	0	0	0
## ENSG00000162892.16	3	12	0	14	13
## ENSG00000162894.12	0	2	1	6	1
## ENSG00000271680.1	0	0	0	0	0
## ENSG00000226945.1	5	0	2	7	7
## ENSG00000162896.6	21	39	47	37	7
## ENSG00000162897.16	0	4	2	3	0
## ENSG00000182795.13	5537	5557	5930	5564	6021
## ENSG00000123836.15	1238	1384	1512	1494	1031
## ENSG00000180667.11	2292	3569	2896	3159	2545
## ENSG00000123843.13	96	60	87	62	94
## ENSG00000123838.11	17	27	9	36	20
## ENSG00000275392.1	0	0	0	0	0
## ENSG00000226565.2	0	0	0	1	0
## ENSG00000224462.2	0	0	0	0	0
## ENSG00000243636.1	0	0	0	0	0
## ENSG00000232621.1	0	0	0	0	0
## ENSG00000237074.2	0	0	0	0	0
## ENSG00000196352.18	3228	3083	3576	3412	3368
## ENSG00000283044.1	0	0	0	0	0
## ENSG00000117322.19	41	33	39	41	29
## ENSG00000203710.12	10	4	7	1	4
## ENSG00000236911.6	0	0	0	0	0
## ENSG00000197721.17	0	0	0	1	0
## ENSG00000244703.3	0	0	0	0	0
## ENSG00000226289.1	0	0	0	0	0
## ENSG00000274059.1	0	0	0	0	0
## ENSG00000285239.1	0	0	0	0	0
## ENSG00000117335.21	6219	9286	7820	9618	6658
## ENSG00000203709.14	6	19	18	12	11
## ENSG00000234219.1	0	0	1	0	0
## ENSG00000284214.1	0	0	0	0	0
## ENSG00000284203.1	0	0	0	0	0
## ENSG00000289071.2	0	0	0	0	0
## ENSG00000174059.17	0	1	4	0	7
## ENSG00000285719.2	0	0	0	0	0
## ENSG00000284237.1	1	0	1	0	0
## ENSG00000076356.7	2251	1732	2607	1853	2521

## ENSG00000287220.1	0	0	0	0	0
## ENSG00000286198.3	1	3	1	0	4
## ENSG00000226843.1	0	0	0	0	0
## ENSG00000261453.2	0	0	0	0	0
## ENSG00000259815.1	0	0	0	0	0
## ENSG00000227887.1	4	2	1	4	4
## ENSG00000232812.2	0	0	0	0	0
## ENSG00000236950.1	0	0	0	0	0
## ENSG00000278684.1	0	0	0	0	0
## ENSG00000287046.1	0	0	0	0	0
## ENSG00000232537.2	0	0	0	0	0
## ENSG00000228081.2	0	0	0	0	0
## ENSG00000224540.1	0	0	0	1	0
## ENSG00000225712.1	0	0	0	0	1
## ENSG00000227940.2	0	0	0	0	0
## ENSG00000231648.2	0	0	0	0	0
## ENSG00000230937.13	32	94	54	89	61
## ENSG00000284485.1	0	0	0	0	0
## ENSG00000224260.6	1	1	0	1	0
## ENSG00000287902.2	0	0	0	0	0
## ENSG00000008118.10	35	24	37	15	23
## ENSG00000196878.15	200	453	251	571	301
## ENSG00000283876.1	0	0	0	0	0
## ENSG00000227591.6	0	0	0	0	1
## ENSG00000123689.6	12	11	15	13	13
## ENSG00000117594.10	0	0	0	0	0
## ENSG00000236136.1	0	0	0	0	0
## ENSG00000009790.15	9	6	11	13	5
## ENSG00000162757.4	43	49	51	68	52
## ENSG00000289700.1	1	1	0	3	2
## ENSG00000117595.13	1149	1986	1484	1922	1296
## ENSG00000117597.18	1826	2493	2169	2332	2017
## ENSG00000143469.21	222	240	282	203	245
## ENSG00000287343.1	0	0	0	0	0
## ENSG00000203706.9	54	69	84	59	97
## ENSG00000082497.12	412	392	474	399	484
## ENSG00000228110.4	5	6	10	16	13
## ENSG00000233455.2	0	0	0	0	0
## ENSG00000054392.13	1061	1568	1297	1473	1512
## ENSG00000287354.1	0	0	0	0	0
## ENSG00000200972.1	0	0	0	0	0
## ENSG00000287157.1	0	0	0	0	0
## ENSG00000270936.1	0	0	0	0	0
## ENSG00000143473.14	27	32	16	16	30
## ENSG00000279333.1	0	0	0	0	0
## ENSG00000224668.1	2	1	1	2	6
## ENSG00000283952.1	0	0	0	0	0
## ENSG00000284376.1	0	0	0	0	0
## ENSG00000234233.1	0	2	1	0	1
## ENSG00000234004.4	17	16	23	32	23
## ENSG00000226986.4	5	4	6	9	15
## ENSG00000117625.14	1497	1767	1734	1807	1456
## ENSG00000082512.15	187	162	216	162	119
## ENSG00000287033.2	0	0	1	0	0

## ENSG00000153363.15	272	370	306	362	342
## ENSG00000236809.2	42	39	38	47	39
## ENSG00000238137.2	1	0	1	0	0
## ENSG00000198570.7	29	8	22	16	40
## ENSG00000223649.1	0	0	0	0	0
## ENSG00000170385.10	2326	3681	2976	3120	2952
## ENSG00000261314.1	1	0	1	2	1
## ENSG00000288738.1	0	0	0	0	0
## ENSG00000228792.3	0	0	0	0	0
## ENSG00000227764.2	0	0	0	0	0
## ENSG00000117650.13	2331	2865	2858	2659	2572
## ENSG00000224763.1	1	3	1	12	3
## ENSG00000231057.5	2	1	0	3	2
## ENSG00000226868.1	0	0	0	0	0
## ENSG00000123684.13	6280	8838	7911	8231	6763
## ENSG00000241395.3	0	0	0	0	0
## ENSG00000212205.1	0	0	0	0	0
## ENSG00000229258.6	0	0	0	0	0
## ENSG00000233626.2	0	1	3	4	0
## ENSG00000143493.13	2576	3005	2876	2966	2624
## ENSG00000212187.1	0	0	0	0	0
## ENSG00000143476.18	3145	3396	3539	3118	3509
## ENSG00000220749.4	5137	6606	5805	5486	6112
## ENSG00000264358.1	0	0	0	0	0
## ENSG00000252879.1	0	0	0	0	0
## ENSG00000229983.1	0	0	3	0	0
## ENSG00000226251.8	8	10	8	9	10
## ENSG00000066027.12	5380	6511	6479	6535	5735
## ENSG00000230063.1	0	0	0	0	0
## ENSG00000234915.1	1	0	0	1	1
## ENSG00000225338.1	28	52	48	59	78
## ENSG00000201544.1	3	0	1	3	4
## ENSG00000229832.1	0	2	1	2	2
## ENSG00000065600.13	1695	2254	2029	2448	2240
## ENSG00000287445.1	11	4	8	22	13
## ENSG00000117691.10	2521	2843	2664	2869	3552
## ENSG00000224535.2	0	0	0	1	0
## ENSG00000286213.1	0	0	0	0	0
## ENSG00000228067.1	0	1	1	0	0
## ENSG00000260805.3	38	48	51	39	40
## ENSG00000288007.1	17	27	17	10	17
## ENSG00000162772.18	2638	4351	3265	4461	3464
## ENSG00000235862.2	0	0	0	0	0
## ENSG00000162771.8	0	1	0	0	0
## ENSG00000226036.1	0	0	0	0	0
## ENSG00000237980.2	0	0	0	2	0
## ENSG00000123685.9	27	57	51	54	58
## ENSG00000117697.15	2583	3173	2876	2953	2929
## ENSG00000203705.11	541	655	557	657	529
## ENSG00000236905.2	0	1	0	1	1
## ENSG00000185523.6	2	1	2	1	1
## ENSG00000198468.11	22	30	43	44	34
## ENSG00000235182.1	0	0	0	0	0
## ENSG00000236317.1	1	0	0	0	0

## ENSG00000162769.13	3239	3867	4108	3920	3005
## ENSG00000282718.1	0	0	0	0	0
## ENSG00000143494.16	1065	1313	1386	1248	1190
## ENSG00000174606.14	2107	2699	2534	2462	2228
## ENSG00000136643.12	2065	2465	2347	2312	2103
## ENSG00000228646.3	2	0	0	0	0
## ENSG00000225233.2	0	0	1	1	0
## ENSG00000228255.1	0	0	0	0	0
## ENSG00000230461.10	53	74	84	75	78
## ENSG00000281664.1	0	1	3	0	2
## ENSG00000117707.17	1765	2402	2225	2043	1954
## ENSG00000274895.1	7	10	6	4	3
## ENSG00000272167.2	0	1	2	0	0
## ENSG00000283518.1	0	0	0	1	0
## ENSG00000143499.14	2729	3065	2768	2973	2977
## ENSG00000228470.1	0	2	1	4	2
## ENSG00000152104.12	4897	6068	5963	6326	5029
## ENSG00000213036.3	3	3	5	3	5
## ENSG00000215819.3	0	0	0	0	0
## ENSG00000117724.15	13506	15472	15749	15191	13997
## ENSG00000250536.1	1	5	1	1	9
## ENSG00000224584.2	2	0	0	0	0
## ENSG00000185221.6	0	0	0	0	0
## ENSG00000223869.1	0	0	0	0	0
## ENSG00000287008.1	0	0	0	0	0
## ENSG00000082482.14	40	21	39	30	44
## ENSG00000232809.1	1	0	0	0	0
## ENSG00000282265.1	0	0	0	0	0
## ENSG00000136636.13	5951	7115	7569	7250	6285
## ENSG00000042781.14	37	14	39	19	25
## ENSG00000202498.1	0	0	0	0	0
## ENSG00000229242.1	0	0	0	0	0
## ENSG00000233620.5	0	0	0	0	0
## ENSG00000236292.1	0	0	0	0	0
## ENSG00000226013.1	0	0	0	0	0
## ENSG00000196482.18	846	332	912	327	719
## ENSG00000092978.11	1774	2216	2194	2289	1884
## ENSG00000162814.11	288	342	351	323	345
## ENSG00000234070.1	0	0	0	1	0
## ENSG00000228247.1	1	0	0	1	1
## ENSG00000231814.3	0	0	0	0	0
## ENSG00000230714.1	0	0	0	0	0
## ENSG00000232100.1	0	0	0	0	0
## ENSG00000286775.1	0	0	0	0	0
## ENSG00000201493.1	0	0	0	0	0
## ENSG00000067533.6	3367	4031	4070	3610	3605
## ENSG00000229016.1	0	0	0	0	0
## ENSG00000223375.1	0	0	0	0	0
## ENSG00000232480.3	13	9	15	16	10
## ENSG00000092969.12	7725	5711	8674	4789	6547
## ENSG00000281453.1	0	0	0	0	0
## ENSG00000228208.7	2	4	2	7	3
## ENSG00000212610.2	0	0	0	0	0
## ENSG00000226693.1	0	0	0	0	0

## ENSG00000225561.2	0	1	1	0	0
## ENSG00000228063.4	7	8	11	7	6
## ENSG00000143353.12	1209	1534	1314	1405	1312
## ENSG00000225920.2	7	5	9	11	9
## ENSG00000223842.1	2	8	2	4	2
## ENSG00000277007.1	3	4	4	7	2
## ENSG00000287676.1	6	3	4	5	7
## ENSG00000228536.3	1	2	2	1	2
## ENSG00000238232.1	0	0	0	0	0
## ENSG00000215817.9	12	13	15	23	17
## ENSG00000196660.12	529	431	586	516	513
## ENSG00000252086.1	0	0	0	0	0
## ENSG00000221673.2	0	0	0	0	0
## ENSG00000136628.18	20877	24649	22728	22933	20791
## ENSG00000162813.18	2727	3455	3039	3499	3135
## ENSG00000067704.10	12291	15749	14779	16191	13265
## ENSG00000207590.1	0	0	0	1	0
## ENSG00000207624.1	0	0	0	1	0
## ENSG00000232134.1	7	6	8	7	15
## ENSG00000118873.17	4495	5802	5539	6396	4341
## ENSG00000281696.1	0	0	0	0	0
## ENSG00000222370.1	0	0	0	0	0
## ENSG00000270585.1	0	0	1	2	1
## ENSG00000270708.1	0	0	0	0	0
## ENSG00000218283.2	1316	1564	1545	1742	1592
## ENSG00000213033.4	1	3	2	0	1
## ENSG00000230318.2	0	0	0	0	0
## ENSG00000232883.1	11	10	7	14	12
## ENSG00000226927.1	0	0	0	0	0
## ENSG00000260505.1	0	0	0	0	0
## ENSG00000235163.2	0	0	0	0	0
## ENSG00000234863.1	0	0	0	0	0
## ENSG00000226226.1	0	0	1	0	0
## ENSG00000231529.2	0	0	0	0	1
## ENSG00000116141.17	494	371	640	473	583
## ENSG00000243872.3	0	0	0	0	0
## ENSG00000233012.3	0	0	1	1	1
## ENSG00000293204.1	0	0	0	0	0
## ENSG00000162817.7	790	991	1076	1253	1059
## ENSG00000117791.16	248	221	313	240	276
## ENSG00000186205.14	1812	1990	1979	1984	2018
## ENSG00000286231.1	0	0	0	0	0
## ENSG00000221571.3	2	8	14	7	5
## ENSG00000276642.1	0	0	0	0	0
## ENSG00000272823.1	0	1	0	0	0
## ENSG00000238078.1	0	1	1	0	1
## ENSG00000257551.1	0	0	0	1	1
## ENSG00000289142.1	4	7	7	6	8
## ENSG00000136630.13	13	19	14	35	23
## ENSG00000226211.1	0	0	0	0	0
## ENSG00000234754.2	0	0	0	0	0
## ENSG00000232436.1	0	0	0	0	0
## ENSG00000286398.1	6	14	3	10	4
## ENSG00000227585.2	0	0	0	0	0

## ENSG00000286421.1	0	3	1	0	0
## ENSG00000143507.18	822	1244	1017	1167	1081
## ENSG00000227925.2	0	0	1	0	0
## ENSG00000200033.1	0	0	0	0	0
## ENSG00000238042.5	0	0	0	1	1
## ENSG00000228437.5	7	9	18	13	10
## ENSG00000232679.2	0	0	0	0	0
## ENSG00000236230.2	1	2	0	0	0
## ENSG00000227613.1	0	0	0	0	0
## ENSG00000226643.2	0	0	0	0	0
## ENSG00000234419.1	0	0	1	0	0
## ENSG00000276997.4	10	6	10	1	3
## ENSG00000222399.1	0	0	0	0	0
## ENSG00000267305.2	0	0	1	0	0
## ENSG00000143512.13	2	2	0	1	1
## ENSG00000143498.18	705	839	843	706	721
## ENSG00000225265.2	120	209	180	158	146
## ENSG00000154305.18	5219	6295	6008	6038	5199
## ENSG00000229399.1	2	0	4	1	4
## ENSG00000272750.1	84	104	102	92	135
## ENSG00000186063.13	5464	6364	6349	5719	5622
## ENSG00000162819.12	2697	3783	3209	2982	2828
## ENSG00000197520.11	0	2	1	3	1
## ENSG00000289880.1	0	0	2	0	0
## ENSG00000287684.1	0	0	1	0	0
## ENSG00000154309.9	920	1390	1074	1334	1185
## ENSG00000234523.1	1	1	0	2	0
## ENSG00000287338.1	1	1	0	0	1
## ENSG00000187554.14	83	44	92	60	65
## ENSG00000236846.1	1	0	0	0	0
## ENSG00000226601.1	0	0	1	0	0
## ENSG00000143502.16	264	154	306	171	348
## ENSG00000251789.2	0	0	0	0	0
## ENSG00000178395.7	1	0	2	2	2
## ENSG00000203697.12	29	126	36	82	50
## ENSG00000227002.2	0	0	0	0	0
## ENSG00000212398.1	0	0	0	0	0
## ENSG00000162909.18	20129	22572	21650	20781	23215
## ENSG00000143514.18	7736	9908	9531	10360	8410
## ENSG00000288999.2	18	20	16	16	20
## ENSG00000227621.1	2	3	1	2	3
## ENSG00000188460.4	3	9	12	18	10
## ENSG00000233771.2	1	2	0	0	0
## ENSG00000291068.1	166	183	211	234	205
## ENSG00000212157.1	0	0	0	0	0
## ENSG00000272645.6	0	0	0	0	0
## ENSG00000290989.1	31	55	34	44	49
## ENSG00000278467.1	1	7	5	7	4
## ENSG00000185495.11	2	0	1	1	1
## ENSG00000229930.1	1	2	8	7	1
## ENSG00000252484.1	0	0	0	0	0
## ENSG00000143756.12	3810	5392	4576	4666	4215
## ENSG00000236773.1	4	6	8	8	7
## ENSG00000143753.14	4730	6361	5372	6126	5645

## ENSG00000201898.1	0	0	0	0	0
## ENSG00000232628.7	4	3	4	4	4
## ENSG00000237101.1	8	7	7	18	22
## ENSG00000143748.18	2779	3107	2865	3131	2864
## ENSG00000221406.1	2	0	0	2	0
## ENSG00000229742.1	2	2	0	0	0
## ENSG00000206887.1	0	0	0	0	0
## ENSG00000143771.12	5178	7012	6029	7284	6866
## ENSG00000162923.18	8531	10664	10301	10560	9154
## ENSG00000266618.1	0	0	1	0	0
## ENSG00000143786.8	113	73	109	128	129
## ENSG00000229991.1	0	0	0	1	2
## ENSG00000233384.3	1	2	2	0	3
## ENSG00000234247.1	0	0	0	0	0
## ENSG00000286174.1	0	0	0	0	0
## ENSG00000229400.1	0	0	0	0	0
## ENSG00000225334.3	0	1	2	1	1
## ENSG00000286719.1	0	0	0	0	0
## ENSG00000185842.16	588	882	684	867	562
## ENSG00000143815.15	12590	15144	14999	13702	13468
## ENSG00000234476.5	2	0	0	0	0
## ENSG00000282418.1	0	0	1	1	0
## ENSG00000289962.1	0	0	0	0	0
## ENSG00000154380.19	25713	35819	32718	31748	29342
## ENSG00000289602.1	14	11	17	12	18
## ENSG00000227496.3	0	2	2	0	0
## ENSG00000226349.1	0	0	0	1	1
## ENSG00000223306.2	0	0	0	0	0
## ENSG00000143742.14	27678	38061	32953	30159	32164
## ENSG00000234112.2	1	1	0	1	2
## ENSG00000143819.13	4702	4034	5278	3933	5953
## ENSG00000242861.1	30	49	45	63	30
## ENSG00000196187.12	2814	4111	3417	4021	3325
## ENSG00000243709.1	30	54	36	48	32
## ENSG00000255835.1	0	0	0	0	0
## ENSG00000143811.20	1497	1734	1755	1895	2107
## ENSG00000284519.1	0	0	0	0	0
## ENSG00000248322.1	0	0	0	0	0
## ENSG00000143768.13	2	1	3	2	5
## ENSG00000213032.3	0	0	0	0	0
## ENSG00000143751.10	1922	2919	2475	2981	2412
## ENSG00000289341.2	0	0	1	2	0
## ENSG00000272562.2	5	8	4	6	9
## ENSG00000163041.13	13913	16745	16259	15594	18953
## ENSG00000225518.3	32	20	20	3	17
## ENSG00000270598.1	0	0	1	0	0
## ENSG00000182827.9	3296	4882	4465	4401	3883
## ENSG00000234478.1	3	2	3	5	1
## ENSG00000223570.2	0	0	0	0	0
## ENSG00000185155.12	35	19	26	25	51
## ENSG00000183814.16	958	1201	1059	1227	1024
## ENSG00000236994.1	0	0	0	0	0
## ENSG00000275406.1	0	0	0	0	0
## ENSG00000289348.1	0	0	0	0	0

## ENSG00000143799.14	29724	32921	34883	34386	33443
## ENSG00000270287.1	0	0	0	0	0
## ENSG00000229965.1	38	67	31	86	79
## ENSG00000223282.1	0	0	0	0	0
## ENSG00000177770.11	0	0	0	1	1
## ENSG00000287627.1	0	0	0	0	0
## ENSG00000203685.11	45	49	44	82	47
## ENSG00000143772.11	500	523	640	508	607
## ENSG00000228382.3	0	0	0	0	0
## ENSG00000228548.1	0	0	0	0	0
## ENSG00000238183.2	0	0	0	0	0
## ENSG00000287259.1	0	0	0	0	0
## ENSG00000143801.18	44	26	35	44	18
## ENSG00000288674.1	5	1	6	3	2
## ENSG00000163050.18	12	18	17	37	30
## ENSG00000228525.1	1	1	1	0	0
## ENSG00000143776.20	3061	3785	3773	4138	2931
## ENSG00000233706.1	0	0	0	0	0
## ENSG00000287532.1	2	3	0	1	0
## ENSG00000228625.1	0	0	0	0	0
## ENSG00000228729.1	0	0	0	0	0
## ENSG00000236636.2	0	0	1	0	0
## ENSG00000287525.1	0	0	0	0	0
## ENSG00000234277.3	0	0	0	0	0
## ENSG00000232864.1	0	0	0	1	3
## ENSG00000242757.1	0	0	0	0	0
## ENSG00000224834.1	3	2	1	6	1
## ENSG00000237193.1	0	0	0	0	0
## ENSG00000278180.1	0	0	0	0	0
## ENSG00000237469.2	0	0	0	0	0
## ENSG00000235827.2	0	1	0	0	0
## ENSG00000227711.3	0	0	1	2	0
## ENSG00000287205.1	1	0	0	0	2
## ENSG00000202264.1	0	0	0	0	0
## ENSG00000181450.18	1760	2601	2166	2162	1770
## ENSG00000225934.2	0	0	0	0	0
## ENSG00000215812.5	0	0	0	2	0
## ENSG00000143740.15	2195	2581	2510	2605	3001
## ENSG00000081692.13	927	1055	921	1021	1192
## ENSG00000230005.2	1	0	1	0	2
## ENSG00000286389.2	29	19	15	10	22
## ENSG00000185888.6	0	0	0	0	0
## ENSG00000143816.8	234	250	366	239	284
## ENSG00000264483.1	0	0	0	0	0
## ENSG00000233003.4	0	0	0	0	0
## ENSG00000274886.1	0	0	2	0	0
## ENSG00000154342.6	2	5	2	1	5
## ENSG00000276255.2	3	0	0	0	1
## ENSG00000143761.17	25890	30189	28794	31337	34853
## ENSG00000284163.1	0	0	0	0	0
## ENSG00000143793.13	849	978	986	944	1188
## ENSG00000162910.19	1124	1038	1157	1215	1620
## ENSG00000224566.2	2	0	6	1	1
## ENSG00000287895.1	4	6	3	5	4

## ENSG00000280157.1	11	5	8	3	15
## ENSG00000227625.2	0	0	0	1	2
## ENSG00000143774.18	4458	4855	4599	5030	6374
## ENSG00000198835.4	41	36	55	54	41
## ENSG00000203684.5	0	1	9	3	1
## ENSG00000181873.13	565	652	655	672	637
## ENSG00000162913.10	22	20	26	19	29
## ENSG00000154358.23	1494	1865	1789	2018	1518
## ENSG00000269934.3	51	38	51	41	55
## ENSG00000270110.2	15	22	15	16	11
## ENSG00000286773.1	0	0	0	0	0
## ENSG00000287315.1	88	146	119	135	90
## ENSG00000270104.1	4	0	2	3	6
## ENSG00000154370.16	2196	2531	2330	2404	2721
## ENSG00000270094.1	0	0	0	0	0
## ENSG00000284311.1	0	0	0	0	0
## ENSG00000231563.3	25	24	20	22	23
## ENSG00000162931.12	127	196	172	218	181
## ENSG00000168148.4	0	2	0	0	0
## ENSG00000181218.6	444	499	455	541	644
## ENSG00000230841.2	0	1	1	0	0
## ENSG00000196890.5	28	26	31	26	28
## ENSG00000266174.1	0	0	0	0	0
## ENSG00000181201.4	0	2	1	0	1
## ENSG00000279306.1	4	2	4	3	2
## ENSG00000168159.15	8082	8971	9327	9203	11060
## ENSG00000215811.7	0	0	0	0	0
## ENSG00000293430.1	0	0	0	0	0
## ENSG00000202056.1	0	0	0	0	0
## ENSG00000251823.2	0	0	0	0	0
## ENSG00000199352.1	0	0	0	0	0
## ENSG00000201588.1	0	0	0	0	0
## ENSG00000199337.1	0	0	0	0	0
## ENSG00000200381.1	0	0	0	0	0
## ENSG00000199396.1	0	0	0	0	0
## ENSG00000200624.1	0	0	0	0	0
## ENSG00000202521.1	0	0	0	0	0
## ENSG00000200343.1	0	0	0	0	0
## ENSG00000201321.1	0	0	0	0	1
## ENSG00000199910.1	0	0	0	0	0
## ENSG00000199334.1	0	0	0	0	0
## ENSG00000199270.1	0	0	0	0	0
## ENSG00000202526.1	0	0	0	0	0
## ENSG00000201355.1	0	0	0	0	0
## ENSG00000201925.1	0	0	0	0	0
## ENSG00000202257.1	0	0	0	0	0
## ENSG00000200370.1	0	0	0	0	0
## ENSG00000212237.1	3	1	3	2	5
## ENSG00000183929.7	4	2	1	15	8
## ENSG00000206878.1	1	0	0	0	0
## ENSG00000234975.6	52	25	44	40	77
## ENSG00000116574.6	7474	7164	8927	6581	7043
## ENSG00000271475.1	0	0	0	0	0
## ENSG00000271399.1	0	0	0	0	0

## ENSG00000282111.1	1	2	0	0	0
## ENSG00000229840.2	0	1	0	0	1
## ENSG00000236975.2	0	0	3	3	5
## ENSG00000233920.2	1	0	0	0	0
## ENSG00000177800.2	4	0	0	0	0
## ENSG00000177788.7	509	555	546	592	508
## ENSG00000168118.12	4941	5869	5756	5211	5630
## ENSG00000237481.1	1	4	0	2	0
## ENSG00000154429.11	1250	1655	1564	1607	1468
## ENSG00000252506.1	0	0	0	0	0
## ENSG00000288862.1	0	0	0	0	0
## ENSG00000252051.1	0	0	0	0	0
## ENSG00000230331.1	0	0	0	0	0
## ENSG00000143632.15	275	231	299	170	294
## ENSG00000290037.1	0	0	0	0	0
## ENSG00000069248.12	7626	9021	8658	8940	8066
## ENSG00000226920.1	0	0	0	0	0
## ENSG00000223635.2	2	1	2	3	1
## ENSG00000135776.5	2919	4206	3635	3588	3261
## ENSG00000199672.1	0	0	0	0	0
## ENSG00000201492.1	1	1	1	1	0
## ENSG00000229367.1	0	0	1	2	0
## ENSG00000135801.11	2250	2585	2595	2756	2537
## ENSG00000135763.10	3318	3469	3552	3695	3587
## ENSG00000213028.3	5	7	6	6	1
## ENSG00000225984.1	0	0	1	2	0
## ENSG00000227043.3	0	0	0	0	0
## ENSG00000228058.4	0	0	0	0	0
## ENSG00000143641.10	7665	9549	8680	9557	9165
## ENSG00000227006.2	2	3	0	5	2
## ENSG00000224407.1	0	0	0	0	0
## ENSG00000177614.11	615	781	776	834	758
## ENSG00000282564.3	3	2	7	3	8
## ENSG00000232964.2	0	0	0	0	0
## ENSG00000235817.2	0	0	0	0	0
## ENSG00000135775.14	3370	4234	3519	4043	3653
## ENSG00000135744.9	377	563	592	782	601
## ENSG00000244137.1	6	8	5	7	11
## ENSG00000135773.13	39	53	45	41	53
## ENSG00000202063.1	0	0	0	0	0
## ENSG00000225656.1	0	0	1	0	0
## ENSG00000119280.17	10143	10153	11491	10809	12082
## ENSG00000223393.2	43	55	59	62	59
## ENSG00000288037.1	2	0	2	3	1
## ENSG00000287395.1	0	0	0	0	1
## ENSG00000240502.2	0	0	0	0	0
## ENSG00000143643.13	1976	2289	2166	2211	2157
## ENSG00000173409.14	657	880	800	877	854
## ENSG00000182118.8	1045	1249	1117	1315	1335
## ENSG00000283799.1	0	0	0	0	0
## ENSG00000227934.1	4	5	2	6	4
## ENSG00000229595.1	1	0	1	0	1
## ENSG00000119283.16	32	43	54	56	43
## ENSG00000235710.6	0	0	0	0	0

## ENSG00000143633.13	1293	1709	1517	1860	1645
## ENSG00000116906.13	7083	8406	7775	7747	7929
## ENSG00000222407.1	0	0	0	0	0
## ENSG00000116903.7	1139	1454	1395	1399	1244
## ENSG00000010072.16	1217	1605	1395	1580	1352
## ENSG00000287450.1	0	0	0	0	0
## ENSG00000135766.9	457	529	547	530	561
## ENSG00000287856.1	2	6	4	8	2
## ENSG00000223982.3	0	0	0	0	0
## ENSG00000233461.6	189	277	230	232	256
## ENSG00000116918.15	2086	3075	2539	2531	2237
## ENSG00000270106.6	0	1	0	2	0
## ENSG00000229228.1	0	1	0	1	0
## ENSG00000162946.24	265	329	280	348	274
## ENSG00000222986.1	0	0	0	0	0
## ENSG00000286071.3	1	0	0	0	0
## ENSG00000274121.1	0	0	0	0	0
## ENSG00000226758.1	0	1	0	1	0
## ENSG00000235152.1	0	0	0	0	0
## ENSG00000236372.1	0	0	0	0	0
## ENSG00000224436.1	0	0	0	0	0
## ENSG00000242794.2	0	0	0	0	0
## ENSG00000116991.12	4544	4730	5691	5172	4478
## ENSG00000238382.1	0	0	0	0	0
## ENSG00000225919.1	0	0	0	0	0
## ENSG00000236497.2	0	0	0	0	0
## ENSG00000212916.6	357	385	423	427	320
## ENSG00000206835.1	0	0	0	0	0
## ENSG00000286774.1	0	0	0	0	0
## ENSG00000232175.1	0	0	0	1	0
## ENSG00000135778.12	3866	5075	4387	5008	5364
## ENSG00000135749.20	1374	1682	1612	1761	1582
## ENSG00000231940.1	14	13	13	19	16
## ENSG00000251508.1	0	0	0	0	0
## ENSG00000143674.11	1692	2041	2326	2008	1748
## ENSG00000252501.1	0	0	0	0	0
## ENSG00000287423.1	0	0	0	0	0
## ENSG00000289305.1	10	15	5	25	14
## ENSG00000135750.15	691	1135	951	1166	865
## ENSG00000265744.1	0	0	0	0	0
## ENSG00000286109.1	0	0	0	0	0
## ENSG00000225486.1	3	1	11	4	5
## ENSG00000286666.1	0	0	0	0	0
## ENSG00000287921.1	0	0	0	1	0
## ENSG00000183780.13	52	41	70	36	51
## ENSG00000236101.1	0	0	0	0	0
## ENSG00000233332.1	0	0	0	0	0
## ENSG00000231272.1	0	0	0	0	0
## ENSG00000236244.1	0	0	0	0	0
## ENSG00000232166.1	1	0	0	0	0
## ENSG00000264377.1	3	0	0	0	0
## ENSG00000235605.1	3	5	3	10	8
## ENSG00000236358.1	0	3	0	0	0
## ENSG00000273367.1	1	0	0	0	0

## ENSG00000231663.3	8	12	13	31	15
## ENSG00000168275.16	1238	1728	1338	1630	1464
## ENSG00000059588.10	1532	2226	1927	2318	1605
## ENSG00000231768.2	0	0	0	1	0
## ENSG00000288760.1	0	0	0	0	0
## ENSG00000286210.1	0	0	0	0	0
## ENSG00000287633.1	1	4	1	1	1
## ENSG00000230404.1	1	0	0	0	0
## ENSG00000212144.1	0	0	0	0	0
## ENSG00000289057.1	0	1	0	0	0
## ENSG00000168264.11	10502	14842	13379	14471	12728
## ENSG00000228830.1	0	0	0	0	0
## ENSG00000224939.1	5	0	0	5	1
## ENSG00000272362.1	0	0	0	1	0
## ENSG00000228044.3	0	0	1	0	1
## ENSG00000241475.1	0	0	0	0	0
## ENSG00000230628.1	1	0	0	2	2
## ENSG00000282097.1	5	0	1	0	2
## ENSG00000227630.4	16	17	25	8	13
## ENSG00000279261.2	0	0	3	0	0
## ENSG00000289377.2	1	0	1	1	3
## ENSG00000286263.1	1	3	0	1	1
## ENSG00000201638.2	0	0	0	0	0
## ENSG00000239690.3	0	0	0	0	0
## ENSG00000237520.2	3	0	1	1	3
## ENSG00000238005.5	14	13	17	14	20
## ENSG00000258082.2	0	0	0	0	0
## ENSG00000280587.3	31	42	22	43	26
## ENSG00000233018.1	0	0	0	0	1
## ENSG00000273416.1	4	10	13	17	15
## ENSG00000173726.11	32351	40539	37846	37675	36486
## ENSG00000207181.1	7	5	7	19	10
## ENSG00000188739.15	49	79	91	95	85
## ENSG00000054267.22	3969	5358	5202	5424	3985
## ENSG00000289114.1	4	1	1	2	1
## ENSG00000263439.1	0	0	0	0	0
## ENSG00000236863.2	0	0	0	0	0
## ENSG00000152904.11	1837	2466	2045	2196	1948
## ENSG00000285053.1	500	675	572	583	509
## ENSG00000227962.1	3	6	0	3	1
## ENSG00000230026.2	0	0	0	2	1
## ENSG00000285177.1	0	0	0	1	1
## ENSG00000284770.2	19	39	24	30	35
## ENSG00000229795.2	0	0	0	0	0
## ENSG00000162885.14	3130	4079	3955	4470	3541
## ENSG00000238236.1	0	0	0	0	0
## ENSG00000235638.1	0	0	0	0	0
## ENSG00000231199.2	0	0	0	0	0
## ENSG00000226663.2	0	0	0	0	0
## ENSG00000231582.2	0	0	0	0	0
## ENSG00000232714.1	0	0	0	0	0
## ENSG00000235761.2	0	0	0	0	0
## ENSG00000168243.11	2929	1658	3002	1539	2686
## ENSG00000270710.1	0	0	0	0	0

## ENSG00000227236.2	1	0	0	0	0
## ENSG00000143669.16	1015	1337	1223	1514	869
## ENSG00000235674.2	4	7	5	8	5
## ENSG00000229463.2	0	0	0	0	0
## ENSG00000222831.1	0	0	0	0	0
## ENSG00000206803.1	0	0	0	0	0
## ENSG00000237845.1	0	1	0	0	0
## ENSG00000229291.1	4	4	1	1	0
## ENSG00000116962.15	11100	16256	13852	16700	13298
## ENSG00000252822.1	0	0	0	0	0
## ENSG00000235371.1	1	0	3	1	7
## ENSG00000286142.2	0	0	0	1	1
## ENSG00000077585.14	2003	2572	2289	2456	2447
## ENSG00000086619.15	6778	3927	7432	3510	5931
## ENSG00000222650.1	0	0	0	0	0
## ENSG00000237922.1	2	2	5	3	2
## ENSG00000186197.15	2492	2710	2525	2490	2630
## ENSG00000244457.2	0	0	0	0	0
## ENSG00000116977.19	7038	10483	7598	9745	8273
## ENSG00000223776.5	271	373	284	379	384
## ENSG00000273058.2	24	29	28	20	21
## ENSG00000230325.1	3	16	13	13	6
## ENSG00000119285.11	7396	8657	8181	8445	7208
## ENSG00000077522.15	6	25	18	24	27
## ENSG00000116984.15	2580	3336	3317	3540	2814
## ENSG00000226498.2	0	1	0	0	1
## ENSG00000237991.3	16	22	15	31	49
## ENSG00000244020.3	0	0	0	0	0
## ENSG00000288099.1	0	0	0	0	0
## ENSG00000198626.18	189	140	254	148	128
## ENSG00000252396.1	0	0	0	0	0
## ENSG00000266262.1	0	0	0	0	0
## ENSG00000252290.1	0	0	0	0	0
## ENSG00000289628.1	2	1	0	0	0
## ENSG00000237250.3	0	0	0	1	0
## ENSG00000116996.10	0	0	0	0	0
## ENSG00000243781.1	0	0	0	0	0
## ENSG00000283174.1	0	0	0	0	0
## ENSG00000283166.1	0	0	0	0	0
## ENSG00000283377.1	0	0	0	0	0
## ENSG00000232154.2	0	0	0	0	0
## ENSG00000225723.1	0	0	0	0	0
## ENSG00000227860.1	0	0	0	0	0
## ENSG00000230019.1	0	0	0	0	0
## ENSG00000234464.2	1	0	1	0	1
## ENSG00000232989.1	0	0	0	0	0
## ENSG00000252371.1	0	0	0	0	0
## ENSG00000215808.4	3	0	0	5	1
## ENSG00000231877.1	0	2	0	0	0
## ENSG00000215149.3	0	0	0	0	0
## ENSG00000224783.1	0	0	0	0	0
## ENSG00000287177.1	0	0	0	0	0
## ENSG00000227854.1	4	5	3	2	3
## ENSG00000287589.1	0	0	0	0	0

## ENSG00000259776.1	0	0	0	0	0
## ENSG00000133019.12	68	99	82	114	97
## ENSG00000233355.7	0	1	0	0	0
## ENSG00000234601.1	0	0	0	0	1
## ENSG00000231979.1	0	0	0	0	0
## ENSG00000215805.3	0	0	0	0	0
## ENSG00000287102.1	0	0	0	0	0
## ENSG00000217327.3	0	0	0	0	0
## ENSG00000155816.21	214	181	252	186	220
## ENSG00000228818.1	16	12	15	23	23
## ENSG00000202041.1	0	0	0	0	0
## ENSG00000223694.1	4	2	2	3	5
## ENSG00000233735.5	0	0	0	0	0
## ENSG00000252317.1	0	0	0	0	0
## ENSG00000233519.1	0	0	0	0	0
## ENSG00000180875.5	144	55	179	100	90
## ENSG00000224359.2	1	3	0	0	0
## ENSG00000226014.1	0	0	0	0	0
## ENSG00000231440.1	0	0	0	0	0
## ENSG00000228844.1	0	0	0	0	0
## ENSG00000251750.1	0	0	0	0	0
## ENSG00000234872.2	0	0	0	0	0
## ENSG00000199241.1	0	0	0	0	0
## ENSG00000230015.4	0	0	1	0	0
## ENSG00000226919.4	3	3	1	0	3
## ENSG00000182901.18	138	153	143	157	181
## ENSG00000223963.2	1	0	1	2	0
## ENSG00000215802.3	0	0	0	1	0
## ENSG00000233615.1	1	2	3	2	4
## ENSG00000238085.1	0	2	0	0	1
## ENSG00000265831.1	0	0	0	0	0
## ENSG00000224348.2	0	0	0	0	0
## ENSG00000286496.1	5	8	1	6	7
## ENSG00000287516.1	9	9	10	12	11
## ENSG00000287738.1	0	0	1	2	1
## ENSG00000091483.8	8759	10295	10191	10232	10792
## ENSG00000117009.12	12	8	15	18	13
## ENSG00000054277.14	493	719	704	643	692
## ENSG00000203668.3	1889	2180	2156	1977	1762
## ENSG00000287513.1	1	14	11	9	6
## ENSG00000162843.18	5	5	2	4	0
## ENSG00000288723.1	1	1	4	0	0
## ENSG00000229022.1	16	14	19	25	39
## ENSG00000174371.17	1903	1986	2279	1869	2084
## ENSG00000235990.2	0	0	0	0	0
## ENSG00000196289.7	0	0	0	0	0
## ENSG00000213026.4	2	0	2	3	4
## ENSG00000197769.6	4	8	7	8	8
## ENSG00000224625.2	0	0	0	0	0
## ENSG00000277099.1	0	0	0	0	0
## ENSG00000180287.17	602	1278	730	908	867
## ENSG00000272865.2	2	2	4	8	0
## ENSG00000252084.1	0	0	1	0	0
## ENSG00000224525.2	0	4	2	2	7

## ENSG00000226750.1	0	0	0	0	1
## ENSG00000235467.1	0	0	0	0	0
## ENSG00000213690.3	2	4	2	1	0
## ENSG00000270859.1	0	0	0	0	0
## ENSG00000215800.2	0	0	0	0	0
## ENSG00000270818.1	0	0	0	0	0
## ENSG00000277704.1	0	0	0	0	0
## ENSG00000230199.1	13	10	18	25	28
## ENSG00000234116.1	0	0	0	0	0
## ENSG00000291216.1	0	0	0	0	0
## ENSG00000231512.7	0	0	0	0	0
## ENSG00000278455.1	0	0	0	0	0
## ENSG00000253326.2	0	3	1	5	6
## ENSG00000291217.1	11	34	9	42	14
## ENSG00000212230.1	0	0	0	0	0
## ENSG00000214837.9	0	0	0	0	0
## ENSG00000143702.16	5302	6281	6257	5892	5075
## ENSG00000227230.1	2	6	4	3	2
## ENSG00000232085.1	0	0	1	0	0
## ENSG00000054282.16	1589	2045	1712	2067	1778
## ENSG00000224727.1	0	0	0	0	0
## ENSG00000265201.1	3	0	1	0	3
## ENSG00000117020.19	3227	2689	3932	2605	2899
## ENSG00000236031.1	1	0	0	0	0
## ENSG00000226766.1	0	0	0	0	0
## ENSG00000232184.1	0	0	0	0	0
## ENSG00000228939.1	0	0	0	1	0
## ENSG00000226828.2	0	0	0	1	1
## ENSG00000289055.2	1	0	4	2	3
## ENSG00000179456.12	1459	1730	1773	1725	1610
## ENSG00000279774.1	0	0	0	0	0
## ENSG00000229960.1	0	0	0	0	0
## ENSG00000286486.1	0	0	0	0	0
## ENSG00000244066.3	0	0	0	0	0
## ENSG00000237759.1	0	0	0	0	1
## ENSG00000287531.1	0	0	0	0	0
## ENSG00000289439.2	0	0	0	1	0
## ENSG00000173728.11	0	2	1	0	0
## ENSG00000240963.1	0	0	0	0	0
## ENSG00000225401.2	1	0	2	0	0
## ENSG00000035687.10	4077	5286	4872	5133	4354
## ENSG00000179397.18	4	5	10	17	7
## ENSG00000227735.1	0	0	0	0	0
## ENSG00000121644.19	5532	6645	6274	6041	5688
## ENSG00000232059.3	1	2	1	1	2
## ENSG00000284188.3	0	0	2	0	0
## ENSG00000282317.1	1	2	2	0	2
## ENSG00000287601.1	2	1	1	3	0
## ENSG00000203667.10	24	34	44	43	42
## ENSG00000153187.21	65595	75888	74537	70150	72604
## ENSG00000273175.2	3	5	0	4	7
## ENSG00000201758.1	0	0	0	0	0
## ENSG00000252073.1	0	0	0	0	0
## ENSG00000272195.1	6	8	9	4	2

## ENSG00000203666.13	617	608	617	628	602
## ENSG00000252282.1	0	0	0	0	0
## ENSG00000251754.1	1	0	0	0	0
## ENSG00000223353.2	0	0	0	0	0
## ENSG00000201170.1	0	0	0	0	1
## ENSG00000162849.16	2158	3270	2591	3642	2793
## ENSG00000232192.1	0	0	0	2	0
## ENSG00000232793.2	0	0	0	0	0
## ENSG00000238224.1	0	0	0	0	0
## ENSG00000231612.1	0	0	0	0	0
## ENSG00000185420.19	1058	1191	1233	1138	1304
## ENSG00000235096.2	0	0	0	0	0
## ENSG00000226876.3	0	1	1	0	0
## ENSG00000225222.2	0	0	0	0	0
## ENSG00000202184.1	0	0	0	0	0
## ENSG00000230184.1	1	0	1	0	1
## ENSG00000207326.1	0	0	1	0	0
## ENSG00000227728.2	0	0	0	0	0
## ENSG00000242042.1	0	1	0	0	0
## ENSG00000230813.1	0	0	0	0	0
## ENSG00000229112.1	0	0	0	1	0
## ENSG00000162851.8	1440	1835	1602	1890	1659
## ENSG00000162852.14	2789	3676	3375	3755	2960
## ENSG00000225300.1	3	4	0	0	1
## ENSG00000228955.2	0	2	0	0	0
## ENSG00000260698.1	7	14	7	9	10
## ENSG00000235021.1	2	0	1	1	0
## ENSG00000143653.10	4722	5121	5240	5247	5403
## ENSG00000228879.1	0	0	0	0	1
## ENSG00000223519.9	3	15	14	16	7
## ENSG00000260855.1	54	63	72	65	57
## ENSG00000227953.7	28	29	49	31	38
## ENSG00000293403.1	0	1	5	6	1
## ENSG00000235386.1	1	0	1	1	1
## ENSG00000252011.1	0	0	0	0	0
## ENSG00000153207.16	7945	10048	9824	10359	7873
## ENSG00000197472.15	364	406	403	354	356
## ENSG00000135747.11	18	18	29	17	26
## ENSG00000236775.1	2	0	0	0	0
## ENSG00000277462.2	1485	1826	1837	1694	1535
## ENSG00000215796.3	1	3	2	1	0
## ENSG00000228982.1	0	0	1	3	0
## ENSG00000188295.15	1406	1635	1493	1502	1283
## ENSG00000286747.1	55	37	37	41	48
## ENSG00000221953.5	38	53	64	53	52
## ENSG00000226164.2	0	0	1	0	0
## ENSG00000196418.13	1367	1859	1573	1802	1470
## ENSG00000224014.1	5	7	1	6	4
## ENSG00000215795.2	5	4	7	4	6
## ENSG00000259865.1	89	135	119	110	69
## ENSG00000290124.1	8	27	11	15	17
## ENSG00000227671.5	307	534	426	544	340
## ENSG00000290683.1	45	75	80	118	40
## ENSG00000283881.1	0	0	0	0	0

## ENSG00000252516.1	2	2	2	3	0
## ENSG00000232347.1	0	0	0	1	0
## ENSG00000214144.3	20	23	24	30	35
## ENSG00000235818.3	0	0	0	0	0
## ENSG00000197617.9	0	2	3	1	0
## ENSG00000289566.2	3	4	4	1	1
## ENSG00000202079.1	2	9	6	7	10
## ENSG00000162714.13	5315	5931	6007	5966	6055
## ENSG00000289234.2	1184	1439	1363	1452	1544
## ENSG00000289728.1	0	0	0	0	0
## ENSG00000286216.1	6	7	11	2	5
## ENSG00000162711.18	0	0	0	3	1
## ENSG00000177535.10	0	0	0	1	0
## ENSG00000290684.1	0	0	0	0	0
## ENSG00000203664.8	0	0	0	0	0
## ENSG00000169224.13	1	0	0	0	0
## ENSG00000196242.10	0	0	0	0	0
## ENSG00000236817.5	0	0	0	0	0
## ENSG00000177489.1	0	0	0	0	0
## ENSG00000177476.3	0	0	0	0	0
## ENSG00000283369.1	0	0	0	0	0
## ENSG00000198452.8	0	0	0	0	0
## ENSG00000235749.3	6	3	10	7	5
## ENSG00000230411.1	0	0	0	0	0
## ENSG00000197437.5	0	0	0	0	0
## ENSG00000169214.5	2	1	1	1	3
## ENSG00000239395.2	0	0	0	0	0
## ENSG00000241128.3	0	1	0	0	0
## ENSG00000153230.4	1	0	0	1	0
## ENSG00000221888.4	0	0	0	1	0
## ENSG00000228336.2	1	1	1	0	0
## ENSG00000196772.5	0	0	0	0	0
## ENSG00000232908.3	0	0	0	0	0
## ENSG00000230576.1	0	0	0	0	0
## ENSG00000197591.3	0	0	0	0	0
## ENSG00000162722.9	768	890	961	764	810
## ENSG00000238243.3	38	63	54	51	52
## ENSG00000177462.9	3	3	2	7	4
## ENSG00000177275.4	0	0	0	0	0
## ENSG00000226191.3	1	3	1	0	5
## ENSG00000289367.2	1	0	0	1	0
## ENSG00000224830.2	0	0	0	0	0
## ENSG00000279263.1	0	0	0	0	0
## ENSG00000187080.10	0	0	0	0	0
## ENSG00000237492.1	0	0	0	0	0
## ENSG00000290612.1	0	0	0	0	0
## ENSG00000224227.4	0	0	0	0	0
## ENSG00000199442.1	0	0	0	0	0
## ENSG00000232215.2	0	0	0	0	1
## ENSG00000197454.2	0	0	0	0	0
## ENSG00000200085.1	0	0	0	0	0
## ENSG00000203663.4	0	0	1	2	0
## ENSG00000200982.1	0	0	0	0	0
## ENSG00000198128.4	0	0	0	0	0

## ENSG00000290608.1	0	0	0	0	0
## ENSG00000197067.7	0	0	0	0	0
## ENSG00000196071.6	1	2	3	0	2
## ENSG00000177233.2	0	0	0	0	0
## ENSG00000162727.3	0	0	0	0	0
## ENSG00000198601.4	0	0	0	0	0
## ENSG00000228198.3	0	0	0	0	0
## ENSG00000171180.3	0	0	0	0	0
## ENSG00000177212.4	0	0	0	0	0
## ENSG00000177201.3	0	0	0	0	0
## ENSG00000177186.3	0	0	0	0	0
## ENSG00000177174.1	0	0	0	0	0
## ENSG00000196944.5	0	0	0	0	0
## ENSG00000198104.4	0	0	0	0	0
## ENSG00000175143.5	0	0	0	0	0
## ENSG00000227152.6	0	0	0	0	0
## ENSG00000196240.6	0	0	0	0	0
## ENSG00000196539.3	0	0	0	0	0
## ENSG00000229255.1	0	0	0	0	0
## ENSG00000203661.4	0	0	0	0	0
## ENSG00000271934.2	0	0	0	0	0
## ENSG00000188558.7	0	0	0	0	0
## ENSG00000224521.2	0	0	0	0	0
## ENSG00000227102.2	0	0	0	0	0
## ENSG00000182783.6	0	0	0	0	0
## ENSG00000183310.3	0	0	0	0	0
## ENSG00000184022.4	0	0	0	0	2
## ENSG00000201602.1	0	0	0	0	0
## ENSG00000271701.1	0	0	0	0	0
## ENSG00000279301.5	0	0	0	0	0
## ENSG00000177151.5	0	0	0	0	0
## ENSG00000187701.5	0	0	0	0	0
## ENSG00000286015.1	0	0	0	0	0
## ENSG00000189181.5	0	0	0	0	0
## ENSG00000293517.1	0	0	0	0	0
## ENSG00000229703.7	0	0	0	0	0
## ENSG00000276520.1	0	0	0	0	0
## ENSG00000242529.1	0	0	0	0	0
## ENSG00000259823.6	2	1	2	1	0
## ENSG00000229663.1	0	0	0	0	0
## ENSG00000175137.11	3330	3686	3602	3777	4203
## ENSG00000264500.1	5	8	8	6	9
## ENSG00000171161.13	3174	3628	3736	3744	4312
## ENSG00000171163.16	544	650	695	849	623
## ENSG00000227237.1	1	0	1	0	0
## ENSG00000185220.12	276	438	408	396	394
## ENSG00000200495.1	0	0	0	0	0
## ENSG00000233084.2	2	6	4	4	1
## ENSG00000184731.6	328	409	370	400	361
## ENSG00000227061.2	1	0	0	0	0
## ENSG00000035115.22	2584	4183	3175	3725	2733
## ENSG00000143727.16	8932	11178	9910	10949	10822
## ENSG00000189292.17	27	13	25	15	15
## ENSG00000228643.1	1	5	1	2	0

## ENSG00000235779.8	2	0	2	0	0
## ENSG00000277997.1	0	0	0	0	0
## ENSG00000233684.2	0	1	0	2	0
## ENSG00000236856.1	0	0	0	0	0
## ENSG00000226277.2	0	0	0	0	0
## ENSG00000223985.2	0	0	0	0	0
## ENSG00000284452.1	0	0	0	0	0
## ENSG00000225942.1	0	0	0	0	0
## ENSG00000233633.2	0	0	0	0	0
## ENSG00000151353.15	1195	1634	1361	1674	1630
## ENSG00000233296.2	7	9	7	12	4
## ENSG00000280360.1	3	3	1	1	0
## ENSG00000233970.1	0	0	2	0	0
## ENSG00000227713.2	0	0	0	0	0
## ENSG00000272342.1	0	1	1	0	0
## ENSG00000223751.2	8	5	7	3	4
## ENSG00000231173.1	0	0	0	0	0
## ENSG00000237667.7	0	0	0	0	0
## ENSG00000228799.6	0	0	0	0	0
## ENSG00000234796.1	0	0	0	0	0
## ENSG00000235688.3	4	0	1	0	0
## ENSG00000172554.12	0	5	3	0	2
## ENSG00000235403.1	0	0	0	0	0
## ENSG00000236665.1	0	0	0	0	0
## ENSG00000233553.1	0	0	0	0	0
## ENSG00000231482.3	0	0	0	0	0
## ENSG00000115705.22	0	2	4	0	1
## ENSG00000228613.1	1	1	2	1	0
## ENSG00000283766.1	0	0	0	2	0
## ENSG00000203635.2	1	0	0	2	0
## ENSG00000130508.11	34542	44252	39103	43497	41659
## ENSG00000186487.21	51	13	34	9	18
## ENSG00000284600.1	0	0	0	0	0
## ENSG00000232057.1	3	1	3	1	2
## ENSG00000225619.1	0	1	0	0	0
## ENSG00000289941.1	0	0	0	0	0
## ENSG00000290112.1	1	3	0	3	1
## ENSG00000234929.3	0	0	0	0	0
## ENSG00000289608.2	0	0	0	0	1
## ENSG00000287583.1	0	0	0	0	0
## ENSG00000237720.2	0	0	0	0	0
## ENSG00000227364.1	0	0	0	0	0
## ENSG00000288786.1	0	0	0	0	0
## ENSG00000228391.1	0	0	0	0	0
## ENSG00000234423.2	0	0	0	0	0
## ENSG00000236760.1	0	0	0	0	0
## ENSG00000226649.1	0	1	0	2	0
## ENSG00000032389.13	2291	2746	2354	2641	2986
## ENSG00000224885.1	6	8	7	4	8
## ENSG00000171853.16	1821	1991	2093	2137	2296
## ENSG00000225234.1	34	51	35	58	35
## ENSG00000271868.1	8	6	8	12	8
## ENSG00000182551.14	3594	4423	3609	3870	4233
## ENSG00000235078.1	6	12	16	19	18

## ENSG00000242282.6	1	0	0	0	0
## ENSG00000286905.1	3	11	10	13	7
## ENSG00000171865.10	3403	4268	3949	4041	3990
## ENSG00000234171.5	682	759	723	738	811
## ENSG00000287126.1	319	346	324	344	364
## ENSG00000171863.15	78398	99064	83303	99191	107604
## ENSG00000118004.18	7	11	8	23	30
## ENSG00000237370.1	0	0	0	0	0
## ENSG00000188765.7	19	18	26	36	51
## ENSG00000289136.1	3	3	3	1	4
## ENSG00000151360.10	0	2	1	3	2
## ENSG00000232718.1	0	0	0	0	0
## ENSG00000224661.1	0	0	0	0	0
## ENSG00000214866.9	0	0	0	0	1
## ENSG00000237401.8	0	0	0	0	0
## ENSG00000229550.1	0	0	0	0	0
## ENSG00000291325.1	0	0	0	0	0
## ENSG00000231821.1	0	0	0	0	1
## ENSG00000231532.6	0	0	1	0	0
## ENSG00000252238.1	0	0	0	0	0
## ENSG00000207192.1	0	0	0	0	0
## ENSG00000289300.2	0	0	0	0	0
## ENSG00000228585.1	0	0	0	0	0
## ENSG00000232835.1	0	0	0	0	1
## ENSG00000224128.1	2	4	0	3	3
## ENSG00000230090.5	17	11	14	6	18
## ENSG00000176887.7	9719	10287	11912	8637	11794
## ENSG00000242540.3	17	23	24	30	30
## ENSG00000236106.3	10	8	11	22	24
## ENSG00000237266.2	0	0	0	0	0
## ENSG00000232044.8	2	5	8	2	3
## ENSG00000276733.1	0	0	0	0	0
## ENSG00000234275.4	0	0	0	0	0
## ENSG00000227007.1	0	0	0	0	0
## ENSG00000226488.2	0	6	0	3	2
## ENSG00000231610.1	0	0	0	0	0
## ENSG00000236172.7	2	3	1	5	1
## ENSG00000286851.1	0	0	0	0	0
## ENSG00000283394.1	0	0	0	0	0
## ENSG00000205837.7	3	2	5	0	9
## ENSG00000225964.6	0	2	0	1	1
## ENSG00000134326.12	128	116	159	101	138
## ENSG00000134321.13	78	58	92	63	72
## ENSG00000271947.1	1	12	14	10	0
## ENSG00000228203.8	218	188	251	148	187
## ENSG00000151692.15	2658	3082	3310	2997	2928
## ENSG00000223884.7	27	21	22	16	15
## ENSG00000223145.1	0	0	0	0	0
## ENSG00000272002.1	20	13	13	11	29
## ENSG00000213774.3	0	1	0	2	0
## ENSG00000229727.7	4	5	6	3	9
## ENSG00000221255.1	0	0	0	0	0
## ENSG00000287119.1	0	0	0	0	0
## ENSG00000230515.1	0	0	0	0	0

## ENSG00000235576.3	0	0	0	0	0
## ENSG00000232979.1	0	0	0	0	0
## ENSG00000229405.1	0	0	0	0	0
## ENSG00000290050.1	0	0	0	0	0
## ENSG00000290092.1	0	0	0	0	1
## ENSG00000226506.6	0	0	0	0	0
## ENSG00000235665.6	0	2	3	1	2
## ENSG00000286857.1	0	0	0	0	0
## ENSG00000236790.7	4	11	8	4	10
## ENSG00000229740.3	0	0	0	0	0
## ENSG00000289191.2	0	0	0	0	0
## ENSG00000236008.5	35	35	40	37	37
## ENSG00000285591.1	0	0	0	0	1
## ENSG00000231083.1	3	12	7	22	11
## ENSG00000225642.1	1	2	1	3	3
## ENSG00000235092.7	287	462	356	545	327
## ENSG00000115738.10	11384	18726	13572	19746	16444
## ENSG00000134313.17	11211	14269	13230	14424	11364
## ENSG00000143797.12	2687	2984	3079	2817	2867
## ENSG00000290023.1	0	1	1	1	2
## ENSG00000230886.3	0	0	0	0	1
## ENSG00000223640.1	0	0	0	0	0
## ENSG00000242136.1	5	1	4	0	0
## ENSG00000261104.1	5	9	5	3	9
## ENSG00000244310.2	0	0	0	1	0
## ENSG00000240980.1	0	0	0	0	0
## ENSG00000151693.11	2460	2891	2933	3370	2606
## ENSG00000213772.3	8	12	11	15	20
## ENSG00000119185.13	2148	2409	2200	2398	2539
## ENSG00000119203.14	8898	10073	9764	9416	9979
## ENSG00000134330.19	2285	2798	2594	2855	2869
## ENSG00000151694.15	5499	7656	6278	7650	5890
## ENSG00000239300.6	2	0	4	5	5
## ENSG00000271855.1	13	20	9	17	12
## ENSG00000134308.14	54886	63690	61643	59657	67096
## ENSG00000207086.1	0	0	1	0	0
## ENSG00000240687.4	2	3	0	3	1
## ENSG00000244260.2	0	0	0	0	0
## ENSG00000200034.1	0	0	0	0	0
## ENSG00000240960.1	0	0	0	0	0
## ENSG00000243491.1	2	0	2	2	1
## ENSG00000115750.17	1461	1947	1782	1769	1573
## ENSG00000269973.1	176	213	189	182	192
## ENSG00000287305.1	1	0	0	1	0
## ENSG00000134317.18	507	744	680	724	588
## ENSG00000289033.2	1	0	0	0	0
## ENSG00000188525.4	0	0	0	0	0
## ENSG00000260476.1	0	0	0	0	0
## ENSG00000260077.1	109	115	114	127	123
## ENSG00000172059.11	1119	1535	1412	1577	1333
## ENSG00000271787.1	0	0	0	0	0
## ENSG00000205795.5	30	47	51	58	37
## ENSG00000233502.1	0	0	0	0	1
## ENSG00000212558.1	0	0	1	0	1

## ENSG00000171848.16	11706	13223	13033	13002	13752
## ENSG00000206647.1	0	2	0	2	0
## ENSG00000265418.1	0	0	0	1	3
## ENSG00000264030.2	0	0	0	0	0
## ENSG00000285872.3	34	42	39	37	35
## ENSG00000206898.1	0	0	3	0	0
## ENSG00000115756.13	749	765	797	795	1025
## ENSG00000115758.14	67199	76205	69756	70821	86032
## ENSG00000206633.1	2	3	5	8	4
## ENSG00000257135.8	112	134	129	155	143
## ENSG00000115761.17	3468	3945	3754	3588	3473
## ENSG00000234818.1	1	5	3	6	5
## ENSG00000243819.4	22	19	22	16	22
## ENSG00000277446.1	0	0	0	0	0
## ENSG00000236162.1	0	0	0	0	0
## ENSG00000143882.12	85	111	78	115	98
## ENSG00000239053.1	0	0	0	0	0
## ENSG00000272275.1	52	86	69	90	80
## ENSG00000143870.13	41508	56604	48538	56699	52214
## ENSG00000238962.1	0	0	0	0	0
## ENSG00000271952.3	0	0	0	0	0
## ENSG00000232056.1	0	0	0	0	0
## ENSG00000270488.1	0	0	0	0	0
## ENSG00000162975.5	56	93	69	107	99
## ENSG00000226080.1	0	0	0	1	3
## ENSG00000145063.15	4	0	5	0	2
## ENSG00000150873.12	17	11	5	8	19
## ENSG00000162976.13	608	689	741	676	670
## ENSG00000134318.16	5361	7346	6832	7011	5280
## ENSG00000207267.1	0	0	0	0	0
## ENSG00000230154.1	2	4	2	1	2
## ENSG00000226961.3	0	0	0	1	0
## ENSG00000230952.1	0	0	0	0	0
## ENSG00000224177.8	0	0	0	0	0
## ENSG00000231403.1	0	0	0	0	0
## ENSG00000285569.4	1	6	1	2	5
## ENSG00000169016.17	2312	2684	2536	2557	2588
## ENSG00000196208.14	4075	4858	4795	4944	4562
## ENSG00000201610.1	0	0	0	0	0
## ENSG00000264010.1	0	0	0	0	0
## ENSG00000251718.1	0	0	0	0	0
## ENSG00000285626.1	0	0	1	0	0
## ENSG00000239899.3	2	1	1	3	1
## ENSG00000169006.7	0	0	0	0	0
## ENSG00000230044.1	0	0	0	0	0
## ENSG00000276411.1	0	0	0	0	0
## ENSG00000134324.12	1346	1714	1569	1924	1392
## ENSG00000228496.2	9	9	7	12	13
## ENSG00000203643.3	0	0	0	0	0
## ENSG00000230790.2	0	2	0	0	0
## ENSG00000265056.1	0	0	0	0	0
## ENSG00000224184.7	11	8	5	5	9
## ENSG00000265172.1	0	0	0	0	0
## ENSG00000238503.1	0	0	0	0	0

## ENSG00000289856.1	0	0	0	0	0
## ENSG00000264089.1	0	0	0	0	0
## ENSG00000290030.1	0	0	0	0	0
## ENSG00000207183.1	0	0	0	0	0
## ENSG00000223360.1	0	0	0	0	0
## ENSG00000286427.1	1	12	6	2	9
## ENSG00000261117.1	2	0	1	0	0
## ENSG00000071575.12	3411	3622	3724	3632	3697
## ENSG00000264370.1	0	0	0	6	1
## ENSG00000225649.7	4	4	13	4	6
## ENSG00000285876.1	0	0	0	0	0
## ENSG00000229370.1	0	0	0	0	0
## ENSG00000230448.5	0	2	1	0	0
## ENSG00000227718.1	0	0	0	0	0
## ENSG00000251859.1	0	0	0	0	0
## ENSG00000237261.2	0	0	0	0	0
## ENSG00000228505.5	1	0	0	0	0
## ENSG00000162981.14	3449	6764	4287	6334	5068
## ENSG00000287291.1	0	0	1	0	0
## ENSG00000235127.1	0	0	0	0	0
## ENSG00000151779.14	7424	8926	8610	8590	7909
## ENSG00000229087.1	0	0	1	0	0
## ENSG00000234022.1	3	5	2	1	2
## ENSG00000079785.16	15608	19023	17840	19345	17208
## ENSG00000224194.1	0	0	0	0	0
## ENSG00000231031.6	0	0	0	1	0
## ENSG00000237326.1	0	0	0	0	0
## ENSG00000202160.1	0	0	0	0	0
## ENSG00000214657.4	0	0	0	0	0
## ENSG00000238371.1	0	0	0	0	0
## ENSG00000233718.9	66	66	87	92	85
## ENSG00000223850.1	0	0	0	0	0
## ENSG00000134323.13	7533	7673	9180	8501	10609
## ENSG00000243541.3	3	1	1	0	1
## ENSG00000226764.2	0	0	0	1	0
## ENSG00000236289.4	59	74	50	88	57
## ENSG00000236989.5	2	7	7	8	6
## ENSG00000271315.1	0	0	0	0	0
## ENSG00000251704.1	0	0	0	0	0
## ENSG00000226041.1	0	0	0	0	0
## ENSG00000228876.4	4	12	1	7	2
## ENSG00000231266.1	0	0	0	0	0
## ENSG00000285354.1	0	0	0	0	1
## ENSG00000232444.1	3	0	2	2	2
## ENSG00000224400.5	1	2	8	3	5
## ENSG00000289364.2	3	4	5	4	4
## ENSG00000237633.4	0	0	0	0	0
## ENSG00000279663.3	0	0	0	0	0
## ENSG00000197872.11	322	883	459	849	527
## ENSG00000223536.7	0	0	0	0	0
## ENSG00000224604.1	1	0	0	0	0
## ENSG00000237670.1	0	0	0	0	0
## ENSG00000222842.1	0	0	0	0	0
## ENSG00000214843.3	0	0	0	0	0

## ENSG00000236348.1	1	1	3	6	1
## ENSG00000214842.6	2	1	5	3	5
## ENSG00000163032.12	199	242	259	262	253
## ENSG00000163029.16	3074	3807	3639	3730	3159
## ENSG00000178295.15	1376	1769	1616	1656	1403
## ENSG00000151379.4	0	0	0	1	1
## ENSG00000170745.12	852	686	953	680	861
## ENSG00000212455.1	0	1	0	0	0
## ENSG00000287881.1	1	0	0	0	0
## ENSG00000287849.2	0	0	0	0	0
## ENSG00000260331.1	7	2	5	4	5
## ENSG00000240857.2	1051	1457	1265	1330	1104
## ENSG00000250741.6	0	0	0	0	0
## ENSG00000185013.17	9	9	12	1	5
## ENSG00000207170.1	0	0	0	0	0
## ENSG00000224626.1	0	0	0	0	0
## ENSG00000287284.1	1	1	3	1	1
## ENSG00000236204.7	54	44	53	46	46
## ENSG00000266738.1	0	0	0	0	0
## ENSG00000143867.7	267	271	258	296	465
## ENSG00000234597.2	0	1	0	0	0
## ENSG00000237992.3	0	0	0	1	0
## ENSG00000235911.1	0	0	0	0	0
## ENSG00000213403.2	3	3	2	1	3
## ENSG00000228784.9	2	7	7	13	10
## ENSG00000183891.6	99	130	115	135	97
## ENSG00000271991.3	0	0	3	4	3
## ENSG00000118965.16	1586	1641	1786	1773	1562
## ENSG00000227210.2	22	38	36	29	45
## ENSG00000132031.13	753	1124	1007	1043	943
## ENSG00000068697.7	22468	31325	26922	33234	30816
## ENSG00000223734.3	1	3	0	2	2
## ENSG00000234378.1	2	0	1	0	0
## ENSG00000213729.3	0	0	0	0	5
## ENSG00000266059.2	0	0	0	0	0
## ENSG00000200763.1	0	0	0	0	0
## ENSG00000115884.11	10463	13877	11516	13531	16386
## ENSG00000235411.1	2	5	8	9	7
## ENSG00000238735.1	1	0	0	0	0
## ENSG00000055917.17	9502	12089	11431	11837	9976
## ENSG00000232800.1	0	0	0	0	0
## ENSG00000212171.1	0	0	0	0	0
## ENSG00000290108.1	0	0	0	0	0
## ENSG00000143878.10	4331	5414	4861	5315	5848
## ENSG00000228950.1	0	0	1	0	0
## ENSG00000200829.1	0	0	0	0	0
## ENSG00000227047.1	0	0	0	0	0
## ENSG00000279307.2	22	33	13	31	31
## ENSG00000118960.13	1941	2473	2095	2403	2522
## ENSG00000269976.1	3	2	1	3	1
## ENSG00000231948.2	2	9	4	8	3
## ENSG00000233416.1	0	1	2	0	0
## ENSG00000143869.7	337	273	462	320	407
## ENSG00000270100.1	0	0	0	0	0

## ENSG00000118961.15	4423	5616	5025	5460	4888
## ENSG00000236436.1	0	0	0	0	0
## ENSG00000261012.2	9	19	4	15	10
## ENSG00000084674.15	20851	35888	30099	41621	26697
## ENSG00000280390.1	0	0	0	0	0
## ENSG00000287956.1	0	0	0	0	0
## ENSG00000218819.6	3	0	0	3	1
## ENSG00000271629.1	0	0	0	0	0
## ENSG00000233005.2	5	2	7	6	19
## ENSG00000231204.7	3	0	4	0	4
## ENSG00000270654.1	0	0	0	0	0
## ENSG00000235537.3	5	2	4	5	5
## ENSG00000228538.7	0	0	1	0	2
## ENSG00000229621.2	0	0	0	0	0
## ENSG00000264192.1	0	0	0	0	0
## ENSG00000228999.4	13	5	15	9	12
## ENSG00000223691.1	0	0	0	0	0
## ENSG00000234189.1	0	0	0	0	0
## ENSG00000206882.1	0	0	0	0	1
## ENSG00000234207.1	1	0	2	0	0
## ENSG00000233587.2	0	0	0	0	0
## ENSG00000222616.1	0	0	0	0	0
## ENSG00000232451.2	4	3	2	2	3
## ENSG00000223530.1	0	0	0	0	0
## ENSG00000233714.1	2	0	0	0	2
## ENSG00000223634.1	0	4	3	0	1
## ENSG00000235497.5	3	0	0	0	0
## ENSG00000119771.15	3011	2739	3258	2921	3540
## ENSG00000224361.1	0	0	1	2	0
## ENSG00000279526.2	1	0	2	0	0
## ENSG00000283031.2	2	10	13	6	9
## ENSG00000119778.15	1923	2535	2535	2668	2014
## ENSG00000224464.2	6	3	1	3	3
## ENSG00000238111.1	0	0	0	0	0
## ENSG00000173960.14	3564	4769	4354	4316	4024
## ENSG00000234946.1	2	1	1	1	1
## ENSG00000243847.3	2	0	0	1	0
## ENSG00000205639.12	12	10	14	6	26
## ENSG00000163026.12	2061	2142	2212	2212	2191
## ENSG00000222940.1	0	0	0	0	0
## ENSG00000119782.14	622	552	652	639	690
## ENSG00000115128.7	5058	6066	5590	5809	5829
## ENSG00000219626.9	133	151	171	189	148
## ENSG00000115129.14	3027	4686	3081	4392	4913
## ENSG00000176732.7	16	24	15	21	9
## ENSG00000276087.2	0	0	1	0	1
## ENSG00000232642.2	0	1	0	1	0
## ENSG00000186453.13	1	3	2	3	1
## ENSG00000223754.1	0	0	0	0	0
## ENSG00000198399.16	1259	1811	1594	1745	1137
## ENSG00000242628.6	1	1	2	0	2
## ENSG00000251805.1	0	0	0	0	0
## ENSG00000232963.1	0	0	0	0	1
## ENSG00000233747.1	4	7	6	8	6

## ENSG00000286829.1	0	0	0	0	0
## ENSG00000084676.16	1988	2328	2185	2456	1910
## ENSG00000202430.1	0	0	0	0	0
## ENSG00000206732.1	0	0	0	0	0
## ENSG00000184924.6	784	958	747	794	1003
## ENSG00000138092.11	2418	2673	2637	2652	2813
## ENSG00000138031.15	1917	2171	2049	2326	2231
## ENSG00000271936.1	96	120	116	104	128
## ENSG00000115137.12	339	497	460	550	394
## ENSG00000237953.1	0	0	0	0	0
## ENSG00000202479.1	0	0	0	1	0
## ENSG00000224165.8	15	21	23	20	25
## ENSG00000286645.1	0	0	0	0	1
## ENSG00000207069.1	0	0	0	0	0
## ENSG00000084710.14	2161	2375	2783	2540	2697
## ENSG00000276653.1	0	0	0	0	0
## ENSG00000229593.1	0	3	0	0	1
## ENSG00000115138.11	54	82	75	95	114
## ENSG00000230452.1	0	0	0	0	0
## ENSG00000119772.19	8250	10538	9508	10726	9334
## ENSG00000221445.3	0	0	0	0	1
## ENSG00000289567.2	3	4	0	2	1
## ENSG00000235072.2	34	49	30	51	37
## ENSG00000138101.20	1213	1568	1364	1656	1352
## ENSG00000224220.1	3	2	3	5	0
## ENSG00000201160.1	0	0	0	0	0
## ENSG00000143970.18	3428	4240	4345	4437	3557
## ENSG00000187536.4	0	0	2	2	2
## ENSG00000217643.1	11	14	11	4	12
## ENSG00000218682.1	0	0	0	0	0
## ENSG00000217718.1	0	0	0	0	0
## ENSG00000084731.15	5595	5612	6502	5496	6259
## ENSG00000237629.1	0	2	3	2	5
## ENSG00000268412.2	1	4	3	4	6
## ENSG00000084733.11	14300	17981	16575	16842	16256
## ENSG00000199872.1	0	0	0	0	0
## ENSG00000235440.1	0	0	0	0	0
## ENSG00000231655.1	0	0	0	0	0
## ENSG00000214465.3	2	2	1	6	3
## ENSG00000227133.1	0	0	0	0	0
## ENSG00000237951.1	1	2	0	3	0
## ENSG00000157833.13	1286	928	1443	985	1507
## ENSG00000084754.12	21952	25647	24436	23140	24463
## ENSG00000138029.14	6733	8098	7730	7679	7987
## ENSG00000286707.1	38	31	50	30	60
## ENSG00000173567.16	23	24	27	29	22
## ENSG00000138018.19	10940	16174	13174	15183	11737
## ENSG00000157856.12	167	148	171	149	212
## ENSG00000115155.19	7	5	7	4	3
## ENSG00000173557.15	0	0	0	0	0
## ENSG00000157884.11	5	0	4	3	0
## ENSG00000225378.1	1	0	1	0	0
## ENSG00000225024.1	0	4	0	0	2
## ENSG00000171303.8	219	108	266	91	168

## ENSG00000213699.9	2877	3436	3228	3584	3659
## ENSG00000115163.15	812	879	963	953	928
## ENSG00000145835.6	0	0	0	0	0
## ENSG00000157851.17	8271	5519	8686	5167	10343
## ENSG00000230286.1	3	0	6	1	2
## ENSG00000084764.12	525	497	608	485	715
## ENSG00000205500.8	0	2	0	2	0
## ENSG00000119777.20	4571	5643	5077	5809	5733
## ENSG00000084693.16	4808	5024	5036	4891	5818
## ENSG00000231636.1	1	3	2	0	4
## ENSG00000272056.1	2	4	1	1	2
## ENSG00000229122.1	14	4	11	4	9
## ENSG00000272148.1	9	5	12	7	9
## ENSG00000228474.6	6573	7865	7068	8161	9143
## ENSG00000138080.14	111	161	118	197	236
## ENSG00000138030.14	255	173	246	173	289
## ENSG00000138028.17	130	126	159	121	152
## ENSG00000143994.14	6	13	15	5	12
## ENSG00000138073.14	4399	4629	4674	5073	5480
## ENSG00000186143.11	0	0	1	0	0
## ENSG00000163792.6	0	1	0	0	0
## ENSG00000236099.1	0	0	0	0	0
## ENSG00000138074.15	7574	8238	8188	8251	9269
## ENSG00000138085.18	6020	7359	6312	7367	7674
## ENSG00000084774.14	10870	10871	11946	10557	11849
## ENSG00000115194.11	0	3	6	2	8
## ENSG00000163793.13	0	0	0	0	0
## ENSG00000138100.14	2	2	2	2	4
## ENSG00000163794.6	10	5	8	4	9
## ENSG00000115204.15	1829	2195	2078	2218	2436
## ENSG00000115207.15	6580	7554	7300	7698	7467
## ENSG00000234945.8	3	4	0	2	6
## ENSG00000234072.1	922	1217	1118	1065	1219
## ENSG00000115211.17	3878	4150	4108	4220	4796
## ENSG00000115234.11	6344	7056	6374	7158	8049
## ENSG00000163795.14	1148	1509	1210	1377	1509
## ENSG00000115241.11	17551	19392	20410	18383	22091
## ENSG00000213453.3	10	11	6	16	18
## ENSG00000115216.14	10775	13572	12112	13016	13620
## ENSG00000157992.12	1129	1379	1239	1349	1398
## ENSG00000138002.16	799	910	960	825	884
## ENSG00000235267.1	2	3	3	6	2
## ENSG00000200003.1	0	0	0	0	0
## ENSG00000115226.10	636	831	803	803	982
## ENSG00000084734.9	13	9	15	7	12
## ENSG00000221843.6	201	260	204	247	213
## ENSG00000243943.10	2348	2569	2584	2737	2549
## ENSG00000259080.1	1	0	0	1	1
## ENSG00000176714.10	217	283	264	248	236
## ENSG00000198522.14	3591	4309	3830	4028	3859
## ENSG00000206731.1	0	0	0	1	0
## ENSG00000119760.16	2235	2868	2683	2991	2615
## ENSG00000163798.14	2233	2632	2583	2736	2497
## ENSG00000205334.4	2	6	6	6	4

## ENSG00000289326.2	41	65	40	70	74
## ENSG00000243147.8	2708	3355	2971	3245	3464
## ENSG00000171174.15	197	232	253	246	242
## ENSG00000158019.21	2027	2382	2328	2179	2530
## ENSG00000270846.1	0	0	0	0	0
## ENSG00000265321.1	13	19	15	19	12
## ENSG00000270528.1	4	1	0	0	4
## ENSG00000277035.1	0	0	0	0	0
## ENSG00000223522.2	4	1	0	3	0
## ENSG00000225991.1	0	0	0	0	0
## ENSG00000229951.6	5	12	5	5	2
## ENSG00000075426.12	8930	11678	11077	12016	10401
## ENSG00000270640.1	8	2	3	2	6
## ENSG00000270210.1	2	8	9	2	7
## ENSG00000227938.1	0	0	0	0	2
## ENSG00000163803.13	37	34	28	21	31
## ENSG00000242915.1	0	0	0	0	0
## ENSG00000230730.1	1	0	0	0	0
## ENSG00000222232.1	0	0	0	0	0
## ENSG00000226833.7	14	24	29	30	18
## ENSG00000213639.11	12128	16116	15900	13507	12476
## ENSG00000163806.16	11	14	5	9	4
## ENSG00000273233.1	1	2	4	4	0
## ENSG00000171103.11	1138	1314	1262	1297	1241
## ENSG00000163811.12	8986	12032	10836	11447	10038
## ENSG00000264994.1	0	2	1	1	0
## ENSG00000265145.1	0	0	0	0	0
## ENSG00000222224.1	0	0	1	0	0
## ENSG00000265706.1	4	4	3	5	2
## ENSG00000189350.13	42	20	38	21	22
## ENSG00000200283.1	0	0	0	0	0
## ENSG00000179270.7	11	1	10	6	1
## ENSG00000229224.2	0	0	0	0	1
## ENSG00000115295.21	593	690	726	768	536
## ENSG00000171094.18	25	36	20	40	33
## ENSG00000286963.1	1	0	0	0	0
## ENSG00000242699.3	0	0	0	0	0
## ENSG00000288553.1	0	1	0	0	0
## ENSG00000230737.1	0	0	0	0	0
## ENSG00000197644.2	0	0	0	0	0
## ENSG00000233862.8	1	2	1	1	1
## ENSG00000225943.1	0	0	0	0	0
## ENSG00000119801.13	3511	4551	4027	4471	4314
## ENSG00000207187.1	0	0	0	0	0
## ENSG00000231712.1	0	0	0	0	0
## ENSG00000213626.13	3787	2529	4585	3243	4583
## ENSG00000287658.1	0	0	0	0	0
## ENSG00000235997.4	3	0	5	3	3
## ENSG00000280154.1	0	0	0	0	0
## ENSG00000172954.14	1595	2048	1962	2253	1655
## ENSG00000278908.1	1	4	1	2	3
## ENSG00000162949.16	1477	2164	1513	1957	1386
## ENSG00000230118.1	7	15	12	16	5
## ENSG00000285984.1	0	0	0	2	0

## ENSG00000158089.15	503	288	549	304	471
## ENSG00000234579.1	0	0	0	0	0
## ENSG00000214711.10	37	55	60	46	45
## ENSG00000201671.1	0	0	0	0	0
## ENSG00000013016.16	2307	1994	2660	2045	2505
## ENSG00000213620.3	0	0	0	0	0
## ENSG00000158125.10	40	77	74	81	48
## ENSG00000277893.2	7	19	10	13	10
## ENSG00000228563.1	0	0	0	0	0
## ENSG00000270422.1	0	0	0	0	0
## ENSG00000223647.1	0	0	0	0	0
## ENSG00000237007.4	1	0	2	0	0
## ENSG00000242272.1	1	1	0	4	4
## ENSG00000273165.1	0	0	3	2	0
## ENSG00000162959.14	254	264	265	198	274
## ENSG00000162961.14	3126	3671	3449	3919	3823
## ENSG00000271228.1	4	4	7	2	5
## ENSG00000288937.2	8	2	13	9	6
## ENSG00000021574.14	3229	4130	3795	3549	3285
## ENSG00000272716.2	13	10	20	22	17
## ENSG00000152683.14	4196	5723	4845	5383	4418
## ENSG00000229816.1	12	12	10	14	2
## ENSG00000201113.1	0	0	0	0	0
## ENSG00000091106.19	19	25	13	17	16
## ENSG00000289727.1	19	28	32	37	24
## ENSG00000119820.11	3031	3956	3749	3626	3321
## ENSG00000272754.1	0	0	0	1	1
## ENSG00000115760.16	8231	10706	9665	11837	7599
## ENSG00000230046.1	0	0	0	0	0
## ENSG00000276334.1	23	56	30	24	32
## ENSG00000276517.1	22	33	40	22	16
## ENSG00000207653.1	1	0	0	0	0
## ENSG00000274159.1	0	1	0	0	1
## ENSG00000290864.1	0	0	1	1	0
## ENSG00000279897.3	0	0	0	0	0
## ENSG00000279544.1	1	0	1	1	0
## ENSG00000018699.13	1850	2085	2028	2005	1859
## ENSG00000265057.1	0	0	0	0	0
## ENSG00000230876.8	0	3	0	1	0
## ENSG00000236854.2	1	0	4	2	1
## ENSG00000206951.1	0	0	0	0	0
## ENSG00000049323.16	22440	37879	26166	35602	28022
## ENSG00000223951.1	0	0	0	0	1
## ENSG00000285577.1	1	0	0	0	1
## ENSG00000212204.1	1	0	0	0	0
## ENSG00000252246.1	0	1	0	0	1
## ENSG00000283591.1	0	0	0	0	0
## ENSG00000152689.18	27	40	48	36	28
## ENSG00000119812.20	4279	4935	4532	4739	4426
## ENSG00000286415.1	3	2	1	1	0
## ENSG00000238038.1	0	0	0	0	0
## ENSG00000187999.4	4	1	7	6	5
## ENSG00000228262.11	1	0	0	0	1
## ENSG00000293267.1	0	0	0	0	0

## ENSG00000239649.4	0	0	0	0	0
## ENSG00000235064.1	5	3	2	12	13
## ENSG00000237790.1	0	0	0	0	0
## ENSG00000285754.1	0	0	0	0	0
## ENSG00000272027.2	0	0	0	0	1
## ENSG00000232153.3	0	0	0	0	0
## ENSG00000226994.9	0	0	0	0	0
## ENSG00000264352.2	0	0	0	0	0
## ENSG00000237320.2	0	0	0	0	0
## ENSG00000196085.5	0	0	0	0	0
## ENSG00000288535.1	0	0	0	0	0
## ENSG00000265301.1	0	0	0	0	0
## ENSG00000207255.1	0	0	0	0	0
## ENSG00000229013.1	0	0	0	0	0
## ENSG00000234587.1	0	0	0	0	0
## ENSG00000233752.1	0	0	0	0	0
## ENSG00000260025.2	157	155	215	135	187
## ENSG00000150938.10	7211	7610	8340	7732	7200
## ENSG00000273090.1	0	0	0	0	0
## ENSG00000171055.15	3197	3981	3520	3552	3607
## ENSG00000270677.1	0	0	0	0	0
## ENSG00000205221.13	1	14	3	20	2
## ENSG00000115808.13	2740	3901	3517	3675	2870
## ENSG00000279519.1	0	0	0	0	0
## ENSG00000252756.1	0	0	0	0	0
## ENSG00000008869.12	1586	2068	1930	2332	1499
## ENSG00000152133.17	402	490	520	508	443
## ENSG00000055332.19	4611	6482	5830	6272	4902
## ENSG00000224891.1	0	0	0	1	0
## ENSG00000138068.12	0	0	0	0	1
## ENSG00000233159.1	0	0	0	0	0
## ENSG00000218739.10	3143	4074	3522	3781	3620
## ENSG00000115816.15	6428	7282	6890	7103	6187
## ENSG00000272054.1	32	30	30	40	28
## ENSG00000003509.16	1005	1277	1252	1452	1191
## ENSG00000115825.11	5482	6713	6649	6529	5681
## ENSG00000232028.1	1	2	0	2	0
## ENSG00000207364.1	0	0	0	0	0
## ENSG00000285925.1	2	0	1	0	0
## ENSG00000115828.17	602	384	699	374	501
## ENSG00000253078.1	0	0	0	0	0
## ENSG00000287316.1	0	0	0	0	0
## ENSG00000289545.2	0	0	0	1	1
## ENSG00000236213.4	13	0	9	1	3
## ENSG00000290100.1	2	2	2	0	0
## ENSG00000163171.8	18485	18153	19704	17594	19238
## ENSG00000236572.1	0	1	0	0	0
## ENSG00000225402.1	3	2	7	2	8
## ENSG00000237803.6	17	13	17	11	19
## ENSG00000115841.21	117	170	158	160	161
## ENSG00000235848.4	0	0	0	0	0
## ENSG00000138061.12	466	399	498	346	330
## ENSG00000232973.14	17	19	24	20	17
## ENSG00000280276.1	0	0	0	0	0

## ENSG00000229160.1	0	0	0	0	0
## ENSG00000199603.1	0	0	0	0	0
## ENSG00000273006.1	0	0	0	0	0
## ENSG00000227292.1	0	0	0	0	0
## ENSG00000227770.1	1	0	1	0	0
## ENSG00000213594.4	0	0	1	0	0
## ENSG00000119787.14	6374	9357	7596	9036	7138
## ENSG00000288994.1	1	2	3	7	7
## ENSG00000231367.6	2	2	0	0	1
## ENSG00000287313.1	0	0	0	0	0
## ENSG00000235009.1	0	0	0	0	0
## ENSG00000213553.4	1503	1831	1473	1682	2376
## ENSG00000271443.2	0	0	0	0	0
## ENSG00000293078.1	0	0	0	0	0
## ENSG00000143889.16	4533	5714	5330	5535	5024
## ENSG00000235586.1	4	10	12	11	3
## ENSG00000143891.17	1969	2265	2293	2290	2194
## ENSG00000232518.3	1	0	0	0	0
## ENSG00000115875.19	12023	13789	13328	13427	14329
## ENSG00000152147.11	1366	1737	1608	1863	1630
## ENSG00000227238.1	1	0	2	0	0
## ENSG00000232114.1	0	0	0	0	0
## ENSG00000163214.21	3920	4558	4333	4438	4098
## ENSG00000223922.1	6	5	2	5	2
## ENSG00000225284.1	0	1	0	0	0
## ENSG00000188010.16	1410	1478	1358	1333	1537
## ENSG00000207295.1	0	2	3	0	1
## ENSG00000214694.13	45	52	49	39	43
## ENSG00000265905.2	0	0	0	0	0
## ENSG00000269210.3	6	14	12	13	19
## ENSG00000115904.15	5867	7636	7425	7629	5812
## ENSG00000229692.3	0	0	0	0	0
## ENSG00000206985.1	0	0	0	0	0
## ENSG00000225900.1	0	0	1	0	0
## ENSG00000202309.1	0	0	0	0	0
## ENSG00000205111.10	18	8	15	14	6
## ENSG00000011566.15	3884	5213	4782	5012	4218
## ENSG00000252473.1	2	1	3	0	2
## ENSG00000273035.1	3	1	3	0	1
## ENSG00000231312.8	384	554	520	511	498
## ENSG00000289003.1	17	19	14	13	7
## ENSG00000152154.12	453	363	467	353	588
## ENSG00000138050.15	696	1009	891	956	796
## ENSG00000227028.6	1	0	0	3	1
## ENSG00000235653.1	0	0	0	0	0
## ENSG00000183023.19	140	152	195	181	155
## ENSG00000289013.1	0	0	0	0	0
## ENSG00000288992.2	0	0	0	0	0
## ENSG00000287255.3	0	0	0	0	0
## ENSG00000285898.1	1	1	0	0	1
## ENSG00000287468.1	0	0	0	1	2
## ENSG00000233128.2	0	0	0	0	0
## ENSG00000293085.1	0	0	1	1	0
## ENSG00000237442.4	1	3	1	0	4

## ENSG00000287145.1	0	0	0	0	0
## ENSG00000236090.2	5	12	7	11	16
## ENSG00000236533.1	9	10	10	21	24
## ENSG00000207218.1	0	0	0	0	0
## ENSG00000214691.9	13	26	20	25	20
## ENSG00000223245.1	0	0	0	0	0
## ENSG00000234362.7	9	10	4	7	16
## ENSG00000205086.8	3	5	1	6	4
## ENSG00000226398.1	6	4	5	3	3
## ENSG00000162878.13	17548	22587	21191	27401	25150
## ENSG00000224875.2	3	1	1	1	1
## ENSG00000143924.19	12501	16764	15440	17177	13643
## ENSG00000115944.15	6414	8595	7781	8492	8246
## ENSG00000221300.1	0	0	0	0	0
## ENSG00000171126.8	21	18	28	20	27
## ENSG00000232526.1	0	0	0	0	0
## ENSG00000236913.1	4	1	2	6	1
## ENSG00000057935.14	4773	5812	5813	6073	5652
## ENSG00000273913.1	0	0	0	0	0
## ENSG00000215263.2	0	0	0	0	0
## ENSG00000226523.1	0	0	0	4	0
## ENSG00000200550.1	6	13	12	7	11
## ENSG00000162881.7	62	75	108	93	106
## ENSG00000162882.15	374	371	431	436	583
## ENSG00000288886.2	340	392	384	432	443
## ENSG00000289082.1	24	46	36	39	36
## ENSG00000226491.1	18	41	31	29	35
## ENSG00000232202.1	3	2	2	3	3
## ENSG00000231826.9	38	73	54	57	48
## ENSG00000233978.1	0	0	2	1	0
## ENSG00000207087.1	0	0	0	0	0
## ENSG00000230587.5	3	9	10	10	12
## ENSG00000286796.1	0	0	0	0	1
## ENSG00000287387.1	2	7	7	11	4
## ENSG00000152518.8	10481	14337	12370	13103	12853
## ENSG00000279873.2	10	1	7	8	7
## ENSG00000234936.1	4	7	5	11	9
## ENSG00000115970.19	4273	5147	4787	5172	4302
## ENSG00000252804.1	0	0	0	0	0
## ENSG00000264071.2	0	0	0	0	0
## ENSG00000207411.1	0	0	0	0	0
## ENSG00000152527.14	309	614	384	694	396
## ENSG00000223658.8	12	12	16	5	9
## ENSG00000229695.1	0	0	1	1	1
## ENSG00000252490.1	0	0	0	0	0
## ENSG00000138036.18	1264	1538	1420	1445	1253
## ENSG00000138075.14	3	9	6	10	2
## ENSG00000143921.9	1	3	1	2	1
## ENSG00000138095.20	29282	35753	33389	35367	29978
## ENSG00000200924.1	0	3	3	2	2
## ENSG00000264047.2	0	0	0	0	0
## ENSG00000288707.1	0	0	0	1	0
## ENSG00000219391.1	7	3	7	3	3
## ENSG00000252599.1	0	0	0	0	0

## ENSG00000224637.1	0	0	0	2	1
## ENSG00000273106.1	1	3	0	1	2
## ENSG00000138032.21	2328	3692	2973	3163	2684
## ENSG00000285542.1	0	0	0	0	0
## ENSG00000289272.1	2	11	5	5	7
## ENSG00000226972.2	2	5	4	2	4
## ENSG00000138079.14	18	65	26	62	19
## ENSG00000138078.16	4329	5565	5337	5631	4525
## ENSG00000143919.16	570	662	618	761	645
## ENSG00000259439.3	0	0	0	1	0
## ENSG00000278957.1	0	0	0	0	0
## ENSG00000274520.1	0	0	0	0	0
## ENSG00000277311.1	0	1	0	0	0
## ENSG00000276229.1	0	0	0	0	0
## ENSG00000277809.1	0	0	0	0	0
## ENSG00000276048.1	0	0	0	0	0
## ENSG00000274547.1	0	0	0	0	0
## ENSG00000276670.1	0	0	0	0	0
## ENSG00000236502.3	0	1	0	0	0
## ENSG00000138083.5	2	2	0	2	5
## ENSG00000225156.2	0	1	0	0	0
## ENSG00000231848.1	2	6	5	9	7
## ENSG00000170577.8	37	52	43	36	110
## ENSG00000231156.1	0	1	0	0	0
## ENSG00000205054.9	0	1	0	2	1
## ENSG00000231054.1	0	0	0	0	0
## ENSG00000286728.1	1	0	0	0	1
## ENSG00000286519.1	2	6	3	4	6
## ENSG00000068784.13	1906	2297	2251	2181	1930
## ENSG00000239396.3	0	0	0	0	0
## ENSG00000171132.14	686	907	826	1130	811
## ENSG00000228481.1	0	0	0	0	0
## ENSG00000233829.1	0	0	0	0	0
## ENSG00000232696.1	0	0	0	0	0
## ENSG00000231336.1	0	0	0	1	0
## ENSG00000233335.1	0	0	0	0	0
## ENSG00000278764.1	0	0	0	0	0
## ENSG00000116016.14	3339	8826	4819	9639	5093
## ENSG00000228100.2	0	0	0	0	0
## ENSG00000187600.14	0	0	0	0	1
## ENSG00000284608.1	0	0	0	0	0
## ENSG00000253515.2	3	1	2	2	1
## ENSG00000241791.3	0	0	0	0	0
## ENSG00000284701.1	0	0	0	0	0
## ENSG00000250565.7	579	732	721	782	777
## ENSG00000119729.12	3312	4459	4338	3842	3870
## ENSG00000250116.2	10	4	7	18	5
## ENSG00000151665.13	1332	1802	1538	1609	1492
## ENSG00000119878.6	1775	2162	1886	1891	2010
## ENSG00000279254.1	1	3	4	11	4
## ENSG00000222005.9	3	5	2	3	0
## ENSG00000171150.9	1912	2623	2416	2439	2260
## ENSG00000239332.7	10	14	27	15	21
## ENSG00000226548.1	1	0	1	0	1

## ENSG00000228925.1	11	21	11	7	10
## ENSG00000180398.13	13373	18613	15684	18510	15568
## ENSG00000068724.18	1785	1974	1983	2021	2132
## ENSG00000272814.1	0	0	0	0	0
## ENSG00000233845.1	0	6	2	1	0
## ENSG00000239605.11	2	1	1	0	0
## ENSG00000273269.3	0	0	0	0	0
## ENSG00000225187.1	1	1	1	1	0
## ENSG00000143933.20	45564	57386	55320	55770	59913
## ENSG00000234690.7	62	57	59	54	49
## ENSG00000226087.4	1	6	4	3	4
## ENSG00000236824.2	34	23	27	12	41
## ENSG00000119888.11	34070	50676	41929	49384	39269
## ENSG00000222685.1	0	0	0	0	0
## ENSG00000207923.1	2	9	10	9	3
## ENSG00000277396.1	3	0	0	0	0
## ENSG00000095002.15	6215	6321	7026	6436	6047
## ENSG00000184261.5	41	32	28	24	24
## ENSG00000235760.4	11	3	5	9	7
## ENSG00000230979.3	197	163	182	208	394
## ENSG00000116062.19	16880	18496	19700	18925	18247
## ENSG00000224443.1	0	0	0	0	0
## ENSG00000224058.2	0	0	0	0	0
## ENSG00000283502.1	0	0	0	0	0
## ENSG00000138081.22	3973	4959	4686	4903	4083
## ENSG00000235369.1	0	0	0	0	0
## ENSG00000236549.1	0	0	0	0	0
## ENSG00000233230.3	6	16	12	12	8
## ENSG00000230773.9	12	6	12	14	12
## ENSG00000226473.2	0	0	0	0	0
## ENSG00000275423.1	0	0	0	0	0
## ENSG00000201010.1	0	0	0	0	0
## ENSG00000170802.17	1508	2332	2028	2290	1709
## ENSG00000251889.1	0	0	0	0	0
## ENSG00000272663.1	19	11	6	14	14
## ENSG00000162869.16	1797	2035	2173	2104	1940
## ENSG00000202227.1	0	0	1	0	0
## ENSG00000243244.7	424	500	574	558	548
## ENSG00000068781.21	1	1	0	2	3
## ENSG00000242441.8	0	0	0	0	1
## ENSG00000279956.1	0	0	0	0	0
## ENSG00000239995.2	0	0	0	0	0
## ENSG00000138039.15	9	4	2	2	5
## ENSG00000232285.1	0	0	0	0	0
## ENSG00000282890.1	0	0	0	0	0
## ENSG00000214602.3	0	0	0	0	0
## ENSG00000170820.12	19	16	22	10	19
## ENSG00000212036.3	0	0	0	0	0
## ENSG00000282998.1	1	0	0	0	0
## ENSG00000206915.1	0	0	0	0	0
## ENSG00000282828.2	0	0	0	0	0
## ENSG00000234253.1	0	3	0	2	0
## ENSG00000212580.1	0	0	0	0	0
## ENSG00000179915.25	235	115	247	99	223

## ENSG00000285548.1	0	0	0	0	0
## ENSG00000230327.1	0	0	0	0	1
## ENSG00000283058.1	0	0	0	0	0
## ENSG00000216191.1	0	0	0	0	0
## ENSG00000238165.1	2	3	2	2	2
## ENSG00000286412.1	0	0	0	0	0
## ENSG00000231918.1	0	2	0	0	0
## ENSG00000287867.1	0	0	0	0	0
## ENSG00000224344.1	0	0	0	0	0
## ENSG00000223710.1	0	0	0	0	0
## ENSG00000230840.1	0	0	0	0	0
## ENSG00000226366.1	0	0	0	0	0
## ENSG00000287344.1	0	0	0	0	0
## ENSG00000236538.1	0	0	0	0	0
## ENSG00000202195.1	0	0	0	0	0
## ENSG00000225444.2	0	0	0	0	0
## ENSG00000225842.1	0	0	0	0	0
## ENSG00000236837.1	0	0	0	0	0
## ENSG00000204993.3	3	10	9	6	7
## ENSG00000233083.1	0	0	0	0	0
## ENSG00000264975.1	0	0	0	0	0
## ENSG00000228033.6	2	11	3	5	3
## ENSG00000232604.1	0	0	0	0	0
## ENSG00000232668.1	0	0	0	0	0
## ENSG00000251942.1	0	0	0	0	0
## ENSG00000223897.1	0	0	0	0	0
## ENSG00000115239.24	1644	1906	1929	1923	1893
## ENSG00000207456.1	0	0	0	0	0
## ENSG00000143942.5	292	336	373	294	342
## ENSG00000068912.15	4197	5881	5152	5878	4879
## ENSG00000265452.1	1	5	11	7	2
## ENSG00000119737.6	53	53	63	53	38
## ENSG00000068878.15	12818	16941	15385	16394	13160
## ENSG00000170634.13	302	364	358	354	347
## ENSG00000235937.1	0	0	0	0	2
## ENSG00000233266.1	9	16	22	14	16
## ENSG00000241114.1	0	0	0	0	0
## ENSG00000272156.1	6	13	15	16	20
## ENSG00000289065.1	4	4	4	6	1
## ENSG00000252934.1	0	0	0	0	0
## ENSG00000178021.11	0	0	0	0	0
## ENSG00000177994.16	2	1	1	1	0
## ENSG00000115306.17	44447	62988	50816	61350	50477
## ENSG00000228108.1	0	0	1	0	0
## ENSG00000237887.1	1	0	0	2	0
## ENSG00000234943.2	0	0	0	2	1
## ENSG00000289627.1	2	0	0	0	0
## ENSG00000238018.2	25	34	29	38	23
## ENSG00000214595.13	73	49	80	49	65
## ENSG00000231334.2	0	0	0	0	0
## ENSG00000285519.1	0	0	0	0	0
## ENSG00000252507.1	0	0	0	0	0
## ENSG00000115310.19	24353	30932	28777	29956	28209
## ENSG00000200086.1	0	0	0	0	0

## ENSG00000290071.1	0	0	1	0	0
## ENSG00000162994.16	202	271	284	274	237
## ENSG00000203327.2	0	4	4	7	3
## ENSG00000227799.1	22	37	34	22	25
## ENSG00000143947.15	74174	91582	87649	92730	99641
## ENSG00000289606.1	6	17	12	9	11
## ENSG00000085760.15	3093	3729	3554	3690	3416
## ENSG00000293422.1	35	25	31	24	25
## ENSG00000162997.16	0	0	0	0	0
## ENSG00000240401.9	8	6	13	11	13
## ENSG00000206964.1	2	1	3	1	0
## ENSG00000115355.18	3265	3119	4136	2811	3269
## ENSG00000233594.2	13	16	12	15	14
## ENSG00000238619.1	0	0	0	0	0
## ENSG00000238493.1	0	0	0	0	0
## ENSG00000239189.1	0	0	0	0	0
## ENSG00000163001.12	4191	5102	4633	4748	5355
## ENSG00000275052.5	8688	11298	10136	10671	9357
## ENSG00000212175.1	0	4	1	1	3
## ENSG00000272606.2	0	0	0	0	0
## ENSG00000138035.15	5966	8949	7022	9008	6652
## ENSG00000115380.20	12220	18868	13659	16955	15448
## ENSG00000202344.1	0	0	1	0	1
## ENSG00000272180.1	9	3	8	8	10
## ENSG00000226702.2	67	29	68	27	54
## ENSG00000207548.3	0	0	0	0	0
## ENSG00000207798.1	0	0	0	0	0
## ENSG00000211520.2	0	0	0	0	0
## ENSG00000229805.1	0	0	0	0	0
## ENSG00000271894.1	0	0	0	0	0
## ENSG00000233251.8	255	189	298	181	200
## ENSG00000055813.6	38	21	49	32	28
## ENSG00000199395.1	0	0	0	0	0
## ENSG00000231570.1	0	0	0	0	0
## ENSG00000271115.1	0	0	0	0	0
## ENSG00000285755.2	1	4	4	3	2
## ENSG00000270569.1	0	0	0	0	0
## ENSG00000212168.1	0	0	0	0	0
## ENSG00000293318.1	0	0	0	0	0
## ENSG00000271615.3	0	0	0	0	0
## ENSG00000028116.18	1547	2136	1656	2030	1577
## ENSG00000287875.1	0	2	2	0	2
## ENSG00000115392.13	1484	2061	1736	1846	1541
## ENSG00000273063.1	0	1	4	0	6
## ENSG00000233426.3	194	212	217	250	272
## ENSG00000225226.2	0	0	0	0	0
## ENSG00000233723.11	46	43	35	38	36
## ENSG00000289529.2	0	0	0	0	0
## ENSG00000231043.3	15	13	18	15	18
## ENSG00000285673.1	0	0	0	0	0
## ENSG00000222030.1	0	0	0	0	0
## ENSG00000271955.2	0	0	0	0	0
## ENSG00000233891.8	0	0	0	0	1
## ENSG00000231815.2	0	0	0	0	0

## ENSG00000270447.1	0	0	0	0	0
## ENSG00000200101.1	0	0	0	0	0
## ENSG00000252726.1	0	0	0	0	0
## ENSG00000286604.1	0	0	0	0	0
## ENSG00000285611.2	0	0	0	0	0
## ENSG00000228590.4	0	0	1	0	1
## ENSG00000287640.1	0	0	0	0	0
## ENSG00000200807.1	0	0	0	0	0
## ENSG00000266078.1	0	0	0	0	0
## ENSG00000119866.22	440	275	481	263	414
## ENSG00000233953.1	0	0	0	0	1
## ENSG00000242158.3	0	0	0	0	0
## ENSG00000271134.1	0	0	0	0	0
## ENSG00000213495.3	1	0	0	0	0
## ENSG00000252718.1	0	0	0	0	0
## ENSG00000271707.1	5	10	4	11	12
## ENSG00000115421.13	1974	2618	2455	2688	2133
## ENSG00000228414.8	2	1	1	1	0
## ENSG00000241524.3	0	0	0	0	0
## ENSG00000237024.1	0	0	0	0	1
## ENSG00000162924.16	487	619	612	610	386
## ENSG00000201076.1	0	0	0	0	0
## ENSG00000267520.2	0	0	0	0	0
## ENSG00000237522.1	17	13	13	28	9
## ENSG00000232713.2	12	10	8	7	5
## ENSG00000162927.14	262	301	334	316	282
## ENSG00000222251.1	0	0	0	0	0
## ENSG00000162928.9	2818	3787	3486	3644	2927
## ENSG00000162929.14	1769	2109	2076	2022	1681
## ENSG00000274769.1	0	1	1	2	2
## ENSG00000212978.6	509	686	542	616	557
## ENSG00000237651.8	52	78	69	64	64
## ENSG00000271889.1	3	2	5	3	4
## ENSG00000293434.1	258	332	394	480	266
## ENSG00000173209.24	0	0	0	0	0
## ENSG00000115464.15	8363	11143	9890	11143	7484
## ENSG00000273302.1	5	8	1	2	5
## ENSG00000271146.1	0	1	0	0	0
## ENSG00000234624.2	0	0	0	1	0
## ENSG00000206937.1	0	0	0	0	0
## ENSG00000270820.8	23	34	33	9	30
## ENSG00000082898.19	18402	21936	22372	22306	18706
## ENSG00000285857.1	3	3	2	0	0
## ENSG00000271243.1	0	0	0	0	0
## ENSG00000226884.1	0	0	0	0	0
## ENSG00000206973.1	0	0	0	0	0
## ENSG00000213486.3	0	0	0	0	0
## ENSG00000289410.2	12	2	7	10	9
## ENSG00000289855.1	4	2	1	2	7
## ENSG00000227361.1	3	0	0	3	6
## ENSG00000229831.2	0	0	1	0	0
## ENSG00000170264.13	826	861	1035	891	787
## ENSG00000289247.1	4	0	2	1	2
## ENSG00000230702.1	1	3	0	0	0

## ENSG00000277498.1	0	2	2	1	0
## ENSG00000115484.15	27490	32109	30324	30486	32531
## ENSG00000236498.1	1	4	1	1	2
## ENSG00000286360.1	5	7	10	11	6
## ENSG00000173163.11	1104	1147	1107	1039	1303
## ENSG00000278523.1	0	0	0	0	0
## ENSG00000229839.6	13	11	7	15	4
## ENSG00000242735.1	0	0	0	0	0
## ENSG00000271657.1	0	0	0	0	0
## ENSG00000170340.11	6201	8257	7043	6923	6511
## ENSG00000266097.1	0	1	0	0	0
## ENSG00000239958.3	0	0	0	0	0
## ENSG00000228541.3	5	14	11	3	8
## ENSG00000270335.1	0	0	0	0	0
## ENSG00000241625.3	0	0	0	0	1
## ENSG00000186889.10	366	487	438	484	476
## ENSG00000233702.1	0	0	0	0	0
## ENSG00000229503.1	4	7	10	8	17
## ENSG00000226622.7	8	2	5	15	4
## ENSG00000232144.1	0	0	0	0	0
## ENSG00000230595.1	0	0	0	0	0
## ENSG00000115504.15	10199	12996	11711	13329	11419
## ENSG00000252436.1	0	0	0	0	0
## ENSG00000286524.1	0	0	0	0	0
## ENSG00000226605.1	0	0	0	0	0
## ENSG00000237162.1	0	0	0	1	0
## ENSG00000231609.7	31	57	33	47	38
## ENSG00000115507.10	172	160	164	195	196
## ENSG00000270437.1	0	0	0	0	0
## ENSG00000286480.1	0	0	0	2	0
## ENSG00000232403.1	0	0	0	0	0
## ENSG00000293077.1	0	0	2	0	2
## ENSG00000242412.2	0	0	0	0	0
## ENSG00000143951.16	380	396	424	414	407
## ENSG00000283636.1	0	0	0	0	1
## ENSG00000233716.1	0	0	0	0	1
## ENSG00000279485.1	0	0	0	0	0
## ENSG00000014641.21	14402	16692	16643	17134	16832
## ENSG00000228305.2	42	58	40	39	67
## ENSG00000293170.1	0	0	0	0	2
## ENSG00000229920.3	0	1	0	0	0
## ENSG00000234488.1	1	7	4	6	12
## ENSG00000228872.2	1	1	1	1	3
## ENSG00000229221.1	0	1	2	0	3
## ENSG00000289943.1	5	12	5	5	12
## ENSG00000169764.16	7067	9424	8353	8667	7184
## ENSG00000251775.1	0	0	0	0	0
## ENSG00000143952.20	3016	3825	3399	3598	2825
## ENSG00000228079.2	6	0	4	1	1
## ENSG00000197329.12	2285	2590	2688	2382	2506
## ENSG00000225889.10	7	6	10	6	19
## ENSG00000230923.2	0	0	0	0	0
## ENSG00000270354.1	0	0	0	0	0
## ENSG00000288932.2	0	0	0	0	0

## ENSG00000290118.1	0	0	0	0	0
## ENSG00000238012.2	0	0	0	0	0
## ENSG00000289176.1	0	0	0	0	0
## ENSG00000238201.1	0	0	0	0	0
## ENSG00000264297.2	0	0	0	0	0
## ENSG00000283222.1	0	0	0	0	0
## ENSG00000236148.5	29	24	45	42	59
## ENSG00000223935.3	7	17	13	12	11
## ENSG00000237217.1	1	0	0	0	0
## ENSG00000119862.13	2351	3283	2991	3186	2665
## ENSG00000223863.1	0	0	0	0	0
## ENSG00000260101.2	4	13	7	10	16
## ENSG00000119844.17	2185	2784	2587	2567	2290
## ENSG00000283204.1	1	1	2	0	0
## ENSG00000252414.1	0	0	2	1	1
## ENSG00000233694.6	0	0	0	1	0
## ENSG00000179833.4	2833	3923	3565	3580	3303
## ENSG00000226756.1	3	5	5	3	0
## ENSG00000227791.3	1	4	1	0	1
## ENSG00000288986.1	0	0	0	0	0
## ENSG00000275588.1	0	0	0	0	0
## ENSG00000199964.1	0	0	0	0	0
## ENSG00000287123.1	0	0	0	0	0
## ENSG00000234572.1	0	0	2	0	0
## ENSG00000237638.3	83	105	116	123	113
## ENSG00000244534.3	0	0	0	0	0
## ENSG00000227394.1	0	1	1	0	1
## ENSG00000115902.11	1934	2067	2148	2008	2190
## ENSG00000252892.1	1	0	0	0	1
## ENSG00000232613.7	1	1	4	1	3
## ENSG00000011523.15	2940	3303	3332	3427	3340
## ENSG00000138069.18	15837	21585	19193	21718	19203
## ENSG00000272025.1	0	0	0	0	0
## ENSG00000293332.1	33	39	33	30	31
## ENSG00000273763.5	0	0	0	0	0
## ENSG00000172974.11	334	403	422	360	435
## ENSG00000138071.15	31947	44246	39401	38706	33670
## ENSG00000198369.10	3995	5636	4756	5721	5212
## ENSG00000232693.2	0	4	0	1	2
## ENSG00000204929.13	2	0	1	4	3
## ENSG00000234255.9	1	0	0	0	0
## ENSG00000237979.1	0	1	0	0	0
## ENSG00000223739.1	0	0	0	0	0
## ENSG00000243029.3	0	0	0	0	0
## ENSG00000251900.1	0	0	0	0	0
## ENSG00000235725.1	0	0	0	0	0
## ENSG00000281920.1	3	6	1	2	2
## ENSG00000214533.3	6	5	3	2	11
## ENSG00000280257.1	0	0	0	0	0
## ENSG00000227293.1	0	0	0	0	0
## ENSG00000225815.2	0	0	0	0	0
## ENSG00000264525.1	0	0	0	0	0
## ENSG00000232164.1	0	2	0	0	0
## ENSG00000226819.1	57	20	58	35	54

## ENSG00000143995.20	6087	4211	6913	4204	6427
## ENSG00000230749.5	12	5	18	4	9
## ENSG00000232046.7	67	34	67	35	64
## ENSG00000237179.6	18	13	27	6	16
## ENSG00000224071.1	0	0	1	0	0
## ENSG00000230355.1	0	0	0	0	0
## ENSG00000230525.6	5	4	3	3	3
## ENSG00000232688.2	0	0	0	0	0
## ENSG00000223859.1	17	5	14	10	15
## ENSG00000235885.8	18	11	30	10	12
## ENSG00000236780.7	92	33	88	45	79
## ENSG00000236605.1	0	0	0	0	0
## ENSG00000289533.1	0	0	0	0	0
## ENSG00000143971.9	1561	1782	1711	1724	1460
## ENSG00000224173.2	2	4	2	1	4
## ENSG00000235495.1	0	0	0	0	0
## ENSG00000286002.1	0	0	0	0	0
## ENSG00000237013.1	0	0	0	0	0
## ENSG00000235968.1	0	0	0	0	0
## ENSG00000197223.12	1147	1598	1343	1371	1313
## ENSG00000284932.1	0	0	0	0	0
## ENSG00000243667.7	288	356	334	351	313
## ENSG00000236259.1	1	0	0	0	0
## ENSG00000273398.6	0	1	1	0	1
## ENSG00000115946.8	3277	4179	3609	3756	3799
## ENSG00000221823.11	3348	4519	3993	3970	3904
## ENSG00000273275.1	0	0	0	0	0
## ENSG00000289156.2	0	3	2	1	0
## ENSG00000273064.1	11	7	5	8	8
## ENSG00000119865.9	11	9	13	11	17
## ENSG00000203395.2	0	0	0	0	0
## ENSG00000115956.10	1	1	2	3	1
## ENSG00000229462.1	0	0	0	0	0
## ENSG00000204923.4	130	180	154	176	124
## ENSG00000169621.11	521	637	604	597	453
## ENSG00000214525.4	2	2	2	2	0
## ENSG00000169618.7	59	60	90	40	98
## ENSG00000163219.12	15	26	15	15	12
## ENSG00000228329.3	0	0	0	0	0
## ENSG00000237576.2	0	0	0	0	0
## ENSG00000163217.2	33	274	163	353	204
## ENSG00000283586.1	6	8	4	1	0
## ENSG00000183607.10	3	1	0	1	0
## ENSG00000169605.7	0	1	0	2	0
## ENSG00000169604.21	8638	10172	9840	10067	9927
## ENSG00000286347.1	0	0	0	0	0
## ENSG00000266649.1	0	0	0	0	0
## ENSG00000251850.1	0	0	0	0	0
## ENSG00000199460.2	0	0	0	0	0
## ENSG00000271597.1	0	0	0	0	0
## ENSG00000198380.13	12509	17704	17141	17217	12753
## ENSG00000252250.1	0	0	0	0	0
## ENSG00000169599.13	1602	2051	1726	2010	1970
## ENSG00000115977.21	2784	3343	3193	3220	2756

## ENSG00000244236.3	0	0	0	0	0
## ENSG00000207016.1	0	1	0	0	0
## ENSG00000232228.1	4	3	7	7	6
## ENSG00000229948.2	0	0	0	1	1
## ENSG00000196975.16	22134	31970	25389	28433	29317
## ENSG00000289250.1	3	2	1	3	1
## ENSG00000231024.1	0	5	1	1	1
## ENSG00000288869.2	5700	4978	6077	4760	6098
## ENSG00000087338.5	5951	8097	7593	7331	6964
## ENSG00000275381.1	2	1	1	7	2
## ENSG00000270723.1	1	1	0	5	2
## ENSG00000124380.11	2499	3343	2939	2934	3054
## ENSG00000059728.11	681	1160	980	1255	1013
## ENSG00000244617.3	0	0	0	0	0
## ENSG00000179818.17	612	683	690	789	717
## ENSG00000263669.2	0	0	0	0	0
## ENSG00000169564.7	2565	2932	2861	2946	3454
## ENSG00000233060.1	3	0	2	0	0
## ENSG00000225392.1	0	1	1	0	1
## ENSG00000231327.3	17	21	24	19	25
## ENSG00000115998.8	633	698	573	647	683
## ENSG00000116001.17	5151	6877	6015	6170	5492
## ENSG00000221238.1	0	0	0	0	0
## ENSG00000231414.1	31	46	40	59	71
## ENSG00000116005.12	13364	18292	15799	16741	15666
## ENSG00000143977.14	5640	7459	6481	8235	8421
## ENSG00000035141.10	6814	8147	7206	7759	7964
## ENSG00000233849.1	0	0	0	0	0
## ENSG00000235289.1	0	0	0	0	0
## ENSG00000229229.1	0	0	0	0	0
## ENSG00000163235.16	226	353	332	390	286
## ENSG00000224606.1	0	0	0	0	0
## ENSG00000075340.23	506	268	491	268	524
## ENSG00000286979.1	0	0	0	0	0
## ENSG00000235035.1	0	0	0	0	0
## ENSG00000183733.6	0	0	0	0	0
## ENSG00000228034.1	2	3	3	1	1
## ENSG00000152672.8	0	0	0	0	0
## ENSG00000231386.1	1	0	0	0	0
## ENSG00000116031.9	0	0	0	0	0
## ENSG00000237751.2	0	0	0	1	0
## ENSG00000277764.1	0	0	0	0	0
## ENSG00000116035.4	8	12	5	4	13
## ENSG00000116039.13	0	0	0	0	0
## ENSG00000258881.6	0	0	0	1	1
## ENSG00000239322.1	0	0	0	1	0
## ENSG00000226186.1	0	0	0	1	0
## ENSG00000241159.3	0	0	0	0	0
## ENSG00000144043.13	3652	4379	4048	4230	4519
## ENSG00000144031.12	71	88	101	85	85
## ENSG00000228384.4	3	2	1	0	2
## ENSG00000236469.1	2	0	0	0	0
## ENSG00000290930.1	2	0	1	4	0
## ENSG00000205847.7	0	0	0	0	0

## ENSG00000234485.5	0	0	0	0	0
## ENSG00000234896.1	0	0	0	0	1
## ENSG00000124357.13	1046	1332	1176	1535	1468
## ENSG00000272735.2	3	3	3	3	2
## ENSG00000124370.11	173	234	185	240	192
## ENSG00000288065.1	12	20	14	10	17
## ENSG00000124383.11	4477	5357	5080	5407	4868
## ENSG00000233870.1	4	6	9	4	13
## ENSG00000124374.9	1844	1775	2287	1842	1814
## ENSG00000075292.19	9885	12928	11826	12582	9682
## ENSG00000281195.1	3	2	5	8	3
## ENSG00000200779.1	0	0	0	0	0
## ENSG00000289463.1	7	32	17	16	19
## ENSG00000289327.2	0	0	1	0	0
## ENSG00000135636.16	278	353	361	299	271
## ENSG00000233971.1	11	10	5	17	14
## ENSG00000003137.9	1090	1324	1253	1219	1472
## ENSG00000289615.2	14	12	13	12	17
## ENSG00000144036.16	8305	10161	9434	9879	8924
## ENSG00000228568.1	0	1	0	1	0
## ENSG00000222536.1	0	0	0	0	0
## ENSG00000212378.1	0	0	0	0	0
## ENSG00000116096.6	2175	2814	2377	2635	2852
## ENSG00000135638.14	16	12	24	18	23
## ENSG00000278060.1	0	1	0	0	0
## ENSG00000144040.13	1260	1573	1411	1620	1524
## ENSG00000135631.17	3330	3957	3762	4207	4135
## ENSG00000272702.1	11	14	12	11	19
## ENSG00000214513.4	1	4	1	6	2
## ENSG00000135632.12	3363	3906	3558	3786	4208
## ENSG00000135617.4	405	528	413	462	604
## ENSG00000135624.17	37703	42998	40977	42167	47829
## ENSG00000163013.12	1038	1169	1357	1503	1272
## ENSG00000135625.8	10	6	5	3	9
## ENSG00000252988.1	0	0	0	0	0
## ENSG00000287435.1	10	5	6	6	3
## ENSG00000285068.1	0	0	0	0	0
## ENSG00000214484.3	0	0	0	0	0
## ENSG00000116127.20	3103	3602	3670	3709	2895
## ENSG00000230002.3	34	37	38	23	33
## ENSG00000284902.1	0	1	0	0	0
## ENSG00000144035.4	2	10	6	8	4
## ENSG00000290727.1	15	8	22	13	15
## ENSG00000163016.11	0	0	0	0	0
## ENSG00000204872.4	2	5	2	4	3
## ENSG00000144034.16	1818	2228	2027	1913	2056
## ENSG00000273245.1	4	4	3	1	6
## ENSG00000280037.1	0	2	1	2	1
## ENSG00000144048.11	1294	1791	1571	1695	1598
## ENSG00000187833.8	0	0	0	0	0
## ENSG00000287250.1	0	4	4	3	4
## ENSG00000124356.17	4289	5114	4651	5123	4833
## ENSG00000286244.1	3	3	2	1	1
## ENSG00000271536.1	0	0	0	0	0

## ENSG00000163017.14	432	634	592	656	718
## ENSG00000114956.20	3315	3996	3840	4384	4553
## ENSG00000237883.4	7	20	12	14	10
## ENSG00000201876.1	0	0	0	0	0
## ENSG00000187605.16	4357	5240	5021	5404	4669
## ENSG00000235499.1	0	0	0	0	0
## ENSG00000279181.1	0	1	0	0	0
## ENSG00000257800.1	32	57	28	62	42
## ENSG00000217702.3	1	3	3	4	8
## ENSG00000163170.12	882	1105	955	1121	1147
## ENSG00000225439.4	711	673	871	755	838
## ENSG00000114978.18	9030	13570	11588	12765	10273
## ENSG00000065911.13	12952	17155	15395	16585	15341
## ENSG00000279201.1	0	0	0	0	0
## ENSG00000279070.2	0	5	1	0	1
## ENSG00000264324.1	3	8	3	8	5
## ENSG00000188687.18	12	27	22	26	20
## ENSG00000229798.1	2	3	3	7	11
## ENSG00000252214.1	0	0	0	0	0
## ENSG00000234632.1	0	0	0	0	0
## ENSG00000225658.1	0	0	0	0	0
## ENSG00000204843.13	14040	14425	15241	13807	16181
## ENSG00000237737.6	4	5	6	2	1
## ENSG00000159239.13	0	0	0	0	0
## ENSG00000234521.2	0	1	0	0	1
## ENSG00000284308.2	47	36	64	32	66
## ENSG00000286623.1	4	2	4	2	4
## ENSG00000233155.1	27	11	17	23	32
## ENSG00000005448.17	1669	1315	1826	1408	2237
## ENSG00000114993.17	3709	4454	4043	4618	4845
## ENSG00000115274.15	5	9	18	15	6
## ENSG00000274049.4	3	0	2	2	2
## ENSG00000239779.7	461	539	519	643	713
## ENSG00000115275.15	6439	7966	7376	7883	8664
## ENSG00000286883.1	0	0	1	0	0
## ENSG00000204822.7	0	0	0	0	0
## ENSG00000135637.14	828	1007	901	1089	958
## ENSG00000115282.21	956	1029	1031	1171	1026
## ENSG00000179528.16	74	88	89	75	121
## ENSG00000272183.1	9	10	6	7	19
## ENSG00000257702.5	295	418	391	367	412
## ENSG00000115289.14	542	721	599	754	703
## ENSG00000115297.11	4	1	4	3	2
## ENSG00000144045.14	92	153	83	127	131
## ENSG00000115307.17	6020	7436	6312	7479	8167
## ENSG00000115317.13	1537	1716	1793	1801	1963
## ENSG00000115318.12	1105	963	1267	1041	1377
## ENSG00000115325.14	1112	1151	1143	1149	1517
## ENSG00000159374.18	82	67	83	51	68
## ENSG00000233872.1	0	0	0	0	0
## ENSG00000108442.2	0	0	0	0	0
## ENSG00000135622.13	702	655	785	670	859
## ENSG00000286739.2	1	1	1	2	2
## ENSG00000287687.2	0	1	0	1	1

## ENSG00000224646.2	0	0	0	0	0
## ENSG00000272711.1	250	239	259	256	281
## ENSG00000159399.10	5070	5801	6542	6499	5987
## ENSG00000204792.2	0	0	0	0	0
## ENSG00000236209.1	0	0	0	0	0
## ENSG00000230836.1	0	0	3	0	1
## ENSG00000115350.12	747	920	805	887	1056
## ENSG00000115353.11	48	45	65	33	48
## ENSG00000263909.1	0	0	0	0	0
## ENSG00000270571.2	12	25	13	27	10
## ENSG00000236167.1	0	0	0	0	0
## ENSG00000115363.14	134	129	133	138	162
## ENSG00000237293.1	1	0	0	0	1
## ENSG00000238410.1	0	0	0	1	0
## ENSG00000231172.2	0	0	0	0	0
## ENSG00000230477.1	0	0	0	0	0
## ENSG00000221638.2	0	0	0	0	0
## ENSG00000115364.14	6422	8478	7571	7447	6813
## ENSG00000226247.1	0	0	2	4	1
## ENSG00000005436.14	1803	2166	2056	2011	1937
## ENSG00000270696.1	0	2	0	0	0
## ENSG00000271452.1	24	22	38	30	25
## ENSG00000270462.1	1	2	2	3	2
## ENSG00000286045.1	3	3	5	2	2
## ENSG00000270996.1	5	10	9	5	7
## ENSG00000287474.1	0	0	0	0	1
## ENSG00000233107.1	0	0	0	0	0
## ENSG00000287172.1	0	0	0	0	0
## ENSG00000287749.1	0	0	0	0	0
## ENSG00000228209.1	0	0	0	0	0
## ENSG00000271356.1	0	0	0	0	0
## ENSG00000200488.1	0	0	0	0	0
## ENSG00000251947.1	0	0	0	0	0
## ENSG00000287026.1	0	0	0	0	0
## ENSG00000287130.1	1	0	0	0	0
## ENSG00000286202.1	1	0	0	1	1
## ENSG00000176204.14	38	77	52	58	69
## ENSG00000200028.1	0	0	0	0	0
## ENSG00000287025.1	0	0	0	0	0
## ENSG00000234653.1	0	1	0	0	0
## ENSG00000286932.1	2	1	0	2	2
## ENSG00000227088.2	0	2	1	1	2
## ENSG00000230968.1	0	0	0	0	0
## ENSG00000293093.1	0	0	0	0	0
## ENSG00000237077.2	0	0	0	0	0
## ENSG00000233605.3	0	0	0	0	0
## ENSG00000229494.2	0	0	0	0	0
## ENSG00000214429.3	0	0	0	0	0
## ENSG00000270470.1	0	0	0	0	0
## ENSG00000234877.2	0	0	0	0	0
## ENSG00000286260.1	0	0	0	0	0
## ENSG00000202423.1	0	0	0	0	0
## ENSG00000200048.1	0	0	0	0	0
## ENSG00000143954.13	2	0	2	0	0

## ENSG00000172023.8	0	0	0	0	0
## ENSG00000115386.6	11	1	2	1	2
## ENSG00000290771.1	0	0	0	0	0
## ENSG00000204787.9	0	0	0	0	0
## ENSG00000172016.16	2	1	1	0	2
## ENSG00000224879.1	0	0	0	0	1
## ENSG00000066032.19	612	236	689	271	454
## ENSG00000286227.1	0	0	0	0	0
## ENSG00000229385.2	0	0	3	0	1
## ENSG00000277171.1	0	0	0	0	0
## ENSG00000230237.1	0	0	0	0	0
## ENSG00000252031.1	0	0	0	0	0
## ENSG00000266436.1	0	0	0	0	0
## ENSG00000276917.1	0	0	0	0	0
## ENSG00000224731.1	0	0	0	0	0
## ENSG00000223427.1	4	7	6	9	6
## ENSG00000162951.11	270	324	290	350	362
## ENSG00000237031.7	0	0	0	0	0
## ENSG00000230975.1	1	1	0	1	0
## ENSG00000234429.1	0	2	1	1	0
## ENSG00000231722.1	0	0	0	0	0
## ENSG00000235519.3	0	0	0	0	0
## ENSG00000200890.1	0	0	0	0	0
## ENSG00000233444.1	0	0	0	0	0
## ENSG00000242118.3	0	0	0	0	0
## ENSG00000231781.1	0	0	0	0	0
## ENSG00000229560.1	0	0	0	0	0
## ENSG00000252897.1	0	0	0	0	0
## ENSG00000201311.1	0	0	0	0	0
## ENSG00000237498.3	0	0	0	0	0
## ENSG00000226860.1	0	0	0	0	0
## ENSG00000226700.1	0	0	0	0	0
## ENSG00000225045.1	0	0	0	0	0
## ENSG00000224695.1	0	0	0	0	0
## ENSG00000227789.1	0	0	0	0	0
## ENSG00000286211.1	0	0	0	0	0
## ENSG00000168129.8	1	0	1	0	1
## ENSG00000223977.1	0	0	0	0	0
## ENSG00000232548.1	0	0	0	0	0
## ENSG00000224627.1	0	0	0	0	0
## ENSG00000199295.1	0	0	0	0	0
## ENSG00000228225.1	0	0	0	0	0
## ENSG00000228902.1	0	0	0	0	0
## ENSG00000293083.1	0	0	0	3	0
## ENSG00000182814.8	0	0	0	0	0
## ENSG00000228272.1	0	0	0	0	0
## ENSG00000163541.12	6715	10727	7391	10608	8631
## ENSG00000289076.2	9	21	21	33	25
## ENSG00000115423.19	120	176	144	193	111
## ENSG00000259056.1	2	9	5	3	1
## ENSG00000235847.2	6	8	9	9	9
## ENSG00000186854.11	518	876	645	855	581
## ENSG00000276362.1	0	0	0	0	0
## ENSG00000213400.3	0	0	0	0	0

## ENSG00000034510.6	90446	110038	97587	124169	140569
## ENSG000000213399.3	24	39	27	29	65
## ENSG000000287625.1	14	21	20	16	24
## ENSG000000290085.1	16	28	31	48	29
## ENSG000000176407.18	4407	5323	4799	5331	5033
## ENSG000000260840.2	0	0	0	0	0
## ENSG000000235463.1	0	0	0	0	0
## ENSG000000225787.1	3	4	6	4	6
## ENSG000000152284.5	2506	2674	3180	2927	3591
## ENSG000000231134.1	1	3	1	3	2
## ENSG000000200701.1	0	0	0	0	0
## ENSG000000230299.1	0	2	0	0	1
## ENSG000000246575.2	12	10	9	15	9
## ENSG000000152291.15	9610	13568	11929	14421	10822
## ENSG000000290110.1	1	1	0	1	2
## ENSG000000239143.1	2	0	0	0	0
## ENSG000000270532.1	7	9	9	9	17
## ENSG000000042445.14	2577	3807	3091	3723	3625
## ENSG000000115459.18	777	935	876	1045	1058
## ENSG000000271014.1	0	0	0	0	0
## ENSG000000202382.1	0	1	1	3	0
## ENSG000000278590.1	0	0	0	0	0
## ENSG000000273196.1	1	2	2	0	0
## ENSG000000042493.16	2356	1757	2448	1687	2521
## ENSG000000286011.2	8	4	2	4	9
## ENSG000000152292.18	0	0	0	1	2
## ENSG000000207207.1	0	0	0	0	0
## ENSG000000244399.3	0	0	0	0	0
## ENSG000000199936.1	0	0	0	0	0
## ENSG000000229648.1	0	0	0	0	0
## ENSG000000286532.2	57	70	85	66	78
## ENSG000000168906.13	11668	14839	13070	15885	13250
## ENSG000000115486.13	3635	4525	4036	4407	4250
## ENSG000000118640.11	2988	4188	3415	4245	4467
## ENSG000000276281.1	0	0	0	0	0
## ENSG000000168899.5	239	157	218	210	302
## ENSG000000288858.2	2	6	1	1	3
## ENSG000000168894.10	2281	2572	2412	2758	3125
## ENSG000000168890.14	718	909	809	971	987
## ENSG000000168883.20	7563	8135	8480	8260	8714
## ENSG000000168887.11	1616	1871	1794	1760	1972
## ENSG000000168878.19	1	2	3	0	1
## ENSG000000115523.17	0	0	0	0	2
## ENSG000000203363.2	0	0	0	0	0
## ENSG000000199687.1	0	0	0	0	0
## ENSG000000168874.13	16	13	27	11	31
## ENSG000000278783.1	0	0	0	0	0
## ENSG000000229498.1	0	0	0	0	0
## ENSG000000252321.1	0	2	0	0	0
## ENSG000000115525.18	1692	2083	2002	2125	2201
## ENSG000000232504.5	2	6	4	9	4
## ENSG000000272564.1	3	2	1	2	2
## ENSG000000287628.1	0	0	0	0	0
## ENSG000000068654.17	8947	9799	10219	9884	9631

## ENSG00000132300.19	7802	9642	9259	10008	8834
## ENSG00000208772.1	7	10	7	13	9
## ENSG00000132305.22	13875	15821	15055	15897	15633
## ENSG00000200241.1	0	0	0	1	0
## ENSG00000265420.1	1	0	0	0	0
## ENSG00000273080.2	88	102	109	135	137
## ENSG00000132313.15	3823	4742	4285	4495	4153
## ENSG00000068615.20	2081	2567	2493	2697	2505
## ENSG00000202537.1	0	0	0	0	0
## ENSG00000251974.1	0	0	0	0	0
## ENSG00000115548.17	5370	6093	6125	6885	5633
## ENSG00000115561.16	4942	6568	5292	5889	5674
## ENSG00000249884.8	14	19	17	14	20
## ENSG00000200563.1	0	0	0	0	0
## ENSG00000228363.2	4	6	5	3	2
## ENSG00000239305.7	1274	1699	1555	1474	1395
## ENSG00000153561.13	5962	8109	7924	8280	6840
## ENSG00000153563.17	5	7	14	3	8
## ENSG00000172116.23	13	17	20	42	30
## ENSG00000291013.1	1	0	0	0	0
## ENSG00000233673.8	30	34	37	35	29
## ENSG00000213605.2	0	0	0	0	0
## ENSG00000187627.18	2	0	4	5	1
## ENSG00000231351.2	2	7	0	3	5
## ENSG00000226114.1	0	0	0	0	0
## ENSG00000183281.15	5	16	4	4	4
## ENSG00000285793.1	91	99	95	95	123
## ENSG00000231259.5	0	1	0	0	1
## ENSG00000266931.2	0	0	0	0	0
## ENSG00000287931.1	2	4	3	5	6
## ENSG00000230395.1	0	0	0	0	0
## ENSG00000204745.4	201	224	224	240	191
## ENSG00000264793.1	0	0	0	0	0
## ENSG00000233671.1	0	0	0	0	0
## ENSG00000281477.1	0	0	0	0	0
## ENSG00000271097.1	0	0	0	0	0
## ENSG00000287763.1	4	4	12	10	15
## ENSG00000233999.3	0	0	0	1	0
## ENSG00000224881.1	0	0	0	1	0
## ENSG00000280721.1	0	0	1	3	0
## ENSG00000222041.13	92	151	129	115	166
## ENSG00000284879.1	25	29	21	35	25
## ENSG00000273445.1	0	0	0	0	0
## ENSG00000214354.3	0	2	1	0	1
## ENSG00000265507.1	0	0	0	0	0
## ENSG00000225933.1	2	2	1	1	0
## ENSG00000289429.1	1	2	0	0	2
## ENSG00000234231.4	1	0	0	0	0
## ENSG00000125551.19	1	2	1	6	3
## ENSG00000185304.16	44	68	82	76	44
## ENSG00000229604.2	10	9	13	9	12
## ENSG00000225428.1	0	0	0	0	0
## ENSG00000233205.1	4	4	4	6	9
## ENSG00000275597.1	2	0	1	0	0

## ENSG00000288437.1	2	0	0	1	1
## ENSG00000222724.1	2	1	1	0	1
## ENSG00000287670.1	26	21	47	29	28
## ENSG00000172086.9	1138	1753	1418	1642	1366
## ENSG00000115593.15	0	22	8	11	26
## ENSG00000265003.1	0	0	0	0	0
## ENSG00000163586.10	367	935	536	1348	798
## ENSG00000288734.2	0	0	2	1	0
## ENSG00000144115.18	1106	1414	1214	1544	1358
## ENSG00000232508.1	0	0	1	0	1
## ENSG00000283262.1	0	0	0	0	0
## ENSG00000212133.1	0	0	0	0	0
## ENSG00000252395.2	0	0	0	0	0
## ENSG00000224291.1	0	0	0	0	0
## ENSG00000214336.5	44	49	56	52	64
## ENSG00000172073.4	6	2	2	0	1
## ENSG00000225420.1	1	4	1	0	0
## ENSG00000172071.15	3494	4617	4140	4660	3595
## ENSG00000234028.4	77	101	97	92	82
## ENSG00000153574.9	1919	2135	2220	2191	2214
## ENSG00000291127.1	16	12	22	5	8
## ENSG00000230006.10	0	0	0	0	0
## ENSG00000290802.1	0	0	0	0	0
## ENSG00000240040.6	0	0	0	0	0
## ENSG00000283270.2	0	0	0	0	0
## ENSG00000265510.1	0	0	0	0	0
## ENSG00000211592.8	2	2	2	4	3
## ENSG00000211593.2	0	0	0	0	0
## ENSG00000211594.2	0	0	0	0	0
## ENSG00000211595.2	0	0	0	0	0
## ENSG00000211596.3	0	0	0	0	0
## ENSG00000211597.2	0	0	0	0	0
## ENSG00000290104.1	0	2	1	0	0
## ENSG00000211598.2	0	0	0	0	0
## ENSG00000211599.2	0	0	0	0	0
## ENSG00000197794.2	0	0	0	0	0
## ENSG00000225136.1	0	0	0	0	0
## ENSG00000253435.1	0	0	0	0	0
## ENSG00000243466.1	0	0	0	0	0
## ENSG00000239855.1	0	0	0	0	0
## ENSG00000243063.1	0	0	0	0	0
## ENSG00000240671.4	0	0	0	0	0
## ENSG00000241755.1	0	0	0	0	0
## ENSG00000253278.1	0	0	0	0	0
## ENSG00000241351.3	0	0	0	0	0
## ENSG00000243290.3	0	0	0	0	0
## ENSG00000253497.1	0	0	0	0	0
## ENSG00000253265.1	0	0	0	0	0
## ENSG00000244437.1	0	0	0	0	0
## ENSG00000240864.3	0	0	0	0	0
## ENSG00000240382.3	0	0	0	0	0
## ENSG00000254157.1	0	0	0	0	0
## ENSG00000253732.1	0	0	0	0	0
## ENSG00000239951.1	0	0	0	0	0

## ENSG00000211611.2	0	0	0	0	0
## ENSG00000253578.1	0	0	0	0	0
## ENSG00000253625.1	0	0	0	0	0
## ENSG00000241294.1	0	0	0	0	0
## ENSG00000253202.1	0	0	0	0	0
## ENSG00000254098.1	0	0	0	0	0
## ENSG00000277852.1	0	0	0	0	0
## ENSG00000244575.3	0	0	0	0	0
## ENSG00000244116.3	0	0	0	0	0
## ENSG00000253998.3	0	0	0	0	0
## ENSG00000243238.1	0	0	0	0	0
## ENSG00000253158.1	0	0	0	0	0
## ENSG00000253870.1	0	0	0	0	0
## ENSG00000242076.3	0	0	0	0	0
## ENSG00000253860.1	0	0	0	0	0
## ENSG00000253461.1	0	0	0	0	0
## ENSG00000253487.1	0	0	0	0	0
## ENSG00000239862.1	0	0	0	0	0
## ENSG00000253592.1	0	0	0	0	0
## ENSG00000242371.1	0	0	0	0	0
## ENSG00000273962.2	0	0	0	0	0
## ENSG00000283427.1	0	0	0	0	0
## ENSG00000290846.1	9	12	9	11	16
## ENSG00000283196.3	0	0	0	0	0
## ENSG00000276861.1	0	0	0	0	0
## ENSG00000283132.1	0	0	0	0	0
## ENSG00000283214.1	0	0	0	0	0
## ENSG00000283659.1	0	0	0	0	0
## ENSG00000251039.3	0	0	0	0	0
## ENSG00000251546.1	0	0	0	0	0
## ENSG00000254009.1	0	0	0	0	0
## ENSG00000250036.1	0	0	0	0	0
## ENSG00000253127.1	0	0	0	0	0
## ENSG00000232747.2	0	0	0	0	0
## ENSG00000253501.1	0	0	0	0	0
## ENSG00000239975.3	0	0	0	0	0
## ENSG00000253191.1	0	0	0	0	0
## ENSG00000253999.1	0	0	0	0	0
## ENSG00000239571.1	0	0	0	0	0
## ENSG00000243264.3	0	0	0	0	0
## ENSG00000242534.3	0	0	0	0	0
## ENSG00000224607.4	0	0	0	0	0
## ENSG00000211623.2	0	0	0	0	0
## ENSG00000254097.1	0	0	0	0	0
## ENSG00000241566.1	0	0	0	0	0
## ENSG00000254345.1	0	0	0	0	0
## ENSG00000253365.1	0	0	0	0	0
## ENSG00000225523.2	0	0	0	0	0
## ENSG00000211625.2	0	0	0	0	0
## ENSG00000253765.1	0	0	0	0	0
## ENSG00000254220.1	0	0	0	0	0
## ENSG00000211626.2	0	0	0	0	0
## ENSG00000242766.1	0	0	0	0	0
## ENSG00000241244.1	0	0	0	0	0

## ENSG00000224041.3	0	0	0	0	0
## ENSG00000254292.1	0	0	0	0	0
## ENSG00000276566.1	0	0	0	0	0
## ENSG00000278857.1	0	0	0	0	0
## ENSG00000211632.4	0	0	0	0	0
## ENSG00000253906.1	0	0	0	0	0
## ENSG00000211633.3	0	0	0	0	0
## ENSG00000242580.1	0	0	0	0	0
## ENSG00000239819.2	0	0	0	0	0
## ENSG00000228325.5	0	0	0	0	0
## ENSG00000275490.1	0	0	0	0	0
## ENSG00000270999.1	0	0	0	1	0
## ENSG00000265897.2	0	0	0	0	0
## ENSG00000281904.1	0	0	0	0	0
## ENSG00000230964.1	0	0	0	0	0
## ENSG00000261600.1	0	0	0	1	0
## ENSG00000291150.1	0	1	0	3	0
## ENSG00000278131.1	0	0	0	0	0
## ENSG00000143429.13	1	0	2	0	0
## ENSG00000222835.1	0	0	0	0	0
## ENSG00000184303.5	0	0	0	0	0
## ENSG00000290565.1	0	0	0	0	0
## ENSG00000230572.6	0	0	0	0	0
## ENSG00000271627.1	0	0	0	0	0
## ENSG00000223703.1	0	2	1	1	0
## ENSG00000232531.3	2	7	2	4	4
## ENSG00000286698.1	0	0	0	0	0
## ENSG00000236969.2	0	0	0	0	0
## ENSG00000235235.6	0	0	0	0	0
## ENSG00000214330.4	0	0	0	0	0
## ENSG00000237085.2	0	0	0	0	0
## ENSG00000227497.1	0	0	0	0	0
## ENSG00000214329.8	0	0	0	0	0
## ENSG00000290575.1	0	0	0	0	0
## ENSG00000226481.3	0	0	0	0	0
## ENSG00000234898.1	0	0	0	0	0
## ENSG00000235147.1	0	0	0	0	0
## ENSG00000223816.5	0	0	0	0	0
## ENSG00000291142.1	0	15	0	9	7
## ENSG00000286156.4	0	0	0	0	0
## ENSG00000290941.1	0	0	0	0	0
## ENSG00000261522.6	0	0	0	0	0
## ENSG00000259916.2	0	0	0	0	0
## ENSG00000237383.1	0	0	0	0	0
## ENSG00000227265.2	0	0	0	0	0
## ENSG00000213355.3	0	0	0	0	0
## ENSG00000234837.1	0	0	0	0	0
## ENSG00000289811.1	0	0	0	1	0
## ENSG00000223564.1	0	0	0	0	0
## ENSG00000232502.1	0	0	0	0	0
## ENSG00000235571.1	0	0	0	0	0
## ENSG00000229089.9	0	0	0	0	0
## ENSG00000291024.1	0	0	0	0	0
## ENSG00000212140.1	0	0	0	0	0

## ENSG00000278631.1	0	0	0	0	0
## ENSG00000291025.1	1	1	0	2	0
## ENSG00000163060.8	0	2	8	1	1
## ENSG00000259848.10	0	0	0	0	0
## ENSG00000237055.1	0	0	0	0	0
## ENSG00000232128.1	0	0	0	0	0
## ENSG00000233158.1	0	0	0	0	0
## ENSG00000231331.1	0	0	0	0	0
## ENSG00000232594.1	0	0	0	0	0
## ENSG00000233105.1	0	0	0	0	0
## ENSG00000224585.1	0	0	0	0	0
## ENSG00000233447.1	0	0	0	0	0
## ENSG00000235186.1	0	0	0	0	0
## ENSG00000277591.1	0	0	0	0	0
## ENSG00000233850.1	0	0	0	0	0
## ENSG00000172005.11	7	3	3	3	4
## ENSG00000231062.1	0	0	0	0	0
## ENSG00000287362.1	3	4	6	5	2
## ENSG00000288960.2	0	0	0	0	0
## ENSG00000144029.14	186	207	227	240	215
## ENSG00000289685.2	0	0	0	0	0
## ENSG00000144026.14	575	709	761	665	579
## ENSG00000275111.5	563	610	644	549	580
## ENSG00000275768.1	0	0	0	0	0
## ENSG00000289370.2	20	25	27	12	26
## ENSG00000233757.7	1457	1661	1828	1746	1467
## ENSG00000155066.16	360	589	416	575	539
## ENSG00000115041.14	33	12	17	19	29
## ENSG00000235129.1	0	0	0	0	0
## ENSG00000115042.10	1361	1733	1584	1751	1786
## ENSG00000248821.1	0	0	0	0	0
## ENSG00000233275.1	0	0	0	0	0
## ENSG00000227120.1	0	0	0	0	0
## ENSG00000204705.3	0	0	0	0	0
## ENSG00000277747.1	0	0	0	0	0
## ENSG00000234903.1	0	0	0	0	0
## ENSG00000144010.11	1	15	6	10	16
## ENSG00000238162.1	0	0	0	0	0
## ENSG00000223917.1	0	0	0	0	0
## ENSG00000237308.1	0	0	0	0	0
## ENSG00000224719.1	0	0	0	0	0
## ENSG00000226185.2	0	0	0	0	0
## ENSG00000272913.2	0	0	0	0	0
## ENSG00000229689.5	0	0	0	0	0
## ENSG00000291126.1	1	0	0	0	0
## ENSG00000236431.1	0	0	0	0	0
## ENSG00000273305.1	0	0	0	0	0
## ENSG00000233037.2	0	0	0	0	0
## ENSG00000168992.4	0	0	0	0	0
## ENSG00000232717.2	0	0	0	0	0
## ENSG00000274028.1	0	0	0	0	0
## ENSG00000230083.1	0	0	0	0	0
## ENSG00000144015.5	7	17	7	16	21
## ENSG00000236026.1	0	0	0	0	0

## ENSG00000271003.1	0	0	0	0	0
## ENSG00000270193.1	0	0	0	0	0
## ENSG00000204699.4	0	0	0	0	0
## ENSG00000275497.1	0	0	0	0	0
## ENSG00000235959.1	0	0	0	0	0
## ENSG00000236750.1	0	0	0	0	0
## ENSG00000235584.3	13	13	9	14	26
## ENSG00000290897.1	0	0	0	0	0
## ENSG00000237510.8	0	0	0	0	0
## ENSG00000232931.6	215	247	339	343	212
## ENSG00000174501.15	104	149	125	145	73
## ENSG00000275961.1	0	0	0	0	0
## ENSG00000291176.1	171	165	187	175	188
## ENSG00000231584.11	0	0	0	0	0
## ENSG00000186281.13	1	3	6	5	3
## ENSG00000274286.2	67	81	78	85	76
## ENSG00000188886.4	6	2	2	2	3
## ENSG00000158050.5	123	110	149	120	141
## ENSG00000228873.1	0	0	0	0	0
## ENSG00000084090.14	13554	16795	16610	17375	16211
## ENSG00000204685.9	222	278	326	271	299
## ENSG00000135956.9	4910	6231	5397	5799	6033
## ENSG00000144021.3	5962	7216	6619	7334	6873
## ENSG00000144028.15	31423	36217	35697	36974	33790
## ENSG00000230747.1	2	0	1	0	2
## ENSG00000198885.10	458	379	545	411	466
## ENSG00000121152.10	2770	3005	3325	3180	3294
## ENSG00000163121.10	81	200	89	214	115
## ENSG00000235480.1	0	2	1	3	1
## ENSG00000196843.17	495	612	472	591	685
## ENSG00000114982.19	4963	5715	5749	5917	5542
## ENSG00000249715.13	23	22	27	31	38
## ENSG00000114988.12	2656	3161	2861	3155	3121
## ENSG00000158158.12	1453	1661	1683	1831	1651
## ENSG00000264157.3	0	0	0	0	0
## ENSG00000273265.1	12	10	5	8	6
## ENSG00000289135.2	37	43	44	56	62
## ENSG00000168763.16	3526	4182	4095	4361	4473
## ENSG00000163126.15	9	9	8	6	13
## ENSG00000213337.9	331	394	380	421	499
## ENSG00000168758.11	4681	5618	5205	6567	6092
## ENSG00000168754.15	1	0	1	0	1
## ENSG00000286654.1	0	0	0	2	0
## ENSG00000274206.1	0	0	0	0	0
## ENSG00000252845.1	0	0	0	0	0
## ENSG00000275094.1	0	0	0	0	0
## ENSG00000273634.1	0	0	0	0	0
## ENSG00000248134.1	0	0	0	0	0
## ENSG00000144188.9	3	0	1	0	0
## ENSG00000230343.1	0	0	0	0	0
## ENSG00000236847.1	0	0	0	0	0
## ENSG00000270748.1	0	0	0	0	0
## ENSG00000271402.1	0	0	0	0	0
## ENSG00000204670.7	0	0	0	0	0

## ENSG00000188383.8	7	17	12	10	8
## ENSG00000144199.12	820	916	1125	889	1070
## ENSG00000279791.1	3	5	1	0	1
## ENSG00000275655.1	0	0	1	0	0
## ENSG00000135976.21	126	140	155	155	81
## ENSG00000277701.5	5	2	0	5	1
## ENSG00000237837.1	0	0	0	0	0
## ENSG00000271351.1	0	0	0	0	0
## ENSG00000276050.1	0	0	0	0	0
## ENSG00000271015.1	0	0	0	0	0
## ENSG00000270252.1	0	0	0	0	0
## ENSG00000271569.1	0	0	0	0	0
## ENSG00000270450.1	0	0	0	0	0
## ENSG00000278537.1	0	0	0	0	0
## ENSG00000270187.1	0	0	0	0	0
## ENSG00000230606.11	12	21	16	18	14
## ENSG00000278766.2	0	0	0	0	0
## ENSG00000196912.13	106	120	130	136	104
## ENSG00000235833.1	0	0	0	0	0
## ENSG00000286036.1	5	8	5	3	7
## ENSG00000228970.6	7	5	3	1	2
## ENSG00000135940.7	6351	6533	6453	6833	8647
## ENSG00000115073.8	4758	5757	5308	5820	6571
## ENSG00000228486.11	25	26	35	34	37
## ENSG00000201806.1	0	0	0	0	0
## ENSG00000115085.15	33	20	29	16	57
## ENSG00000075568.17	6797	9214	8079	9618	7858
## ENSG00000235734.4	63	109	50	45	49
## ENSG00000238719.1	0	0	0	0	0
## ENSG00000168658.20	32	22	34	23	36
## ENSG00000231635.1	0	1	0	0	0
## ENSG00000222000.7	2	0	4	1	3
## ENSG00000144191.12	426	178	467	225	378
## ENSG00000227987.1	9	1	3	1	6
## ENSG00000040933.16	1731	2156	2127	2270	1831
## ENSG00000183513.9	1216	1733	1530	1870	1743
## ENSG00000115446.12	1785	2041	1973	2319	2066
## ENSG00000071073.13	3774	5426	4523	4811	3988
## ENSG00000236564.1	0	0	0	0	0
## ENSG00000226791.9	5	13	9	10	20
## ENSG00000201070.1	0	0	1	0	0
## ENSG00000196872.12	170	138	183	139	173
## ENSG00000238830.1	0	0	0	0	0
## ENSG00000135951.16	233	293	297	261	233
## ENSG00000231822.1	38	48	37	40	33
## ENSG00000241962.9	13	30	20	22	15
## ENSG00000273045.7	569	664	627	494	575
## ENSG00000144182.17	163	191	222	240	209
## ENSG00000273155.1	5	3	5	1	1
## ENSG00000158411.11	995	1312	1143	1239	986
## ENSG00000185414.20	5965	7652	6697	6902	7006
## ENSG00000185674.10	6	4	1	6	4
## ENSG00000144214.10	14	8	14	28	16
## ENSG00000115514.12	2290	3029	2512	2631	2481

## ENSG00000158417.12	18961	23554	22451	21666	22165
## ENSG00000135945.10	1447	1795	1674	2037	1519
## ENSG00000273306.1	23	39	37	49	44
## ENSG00000144218.21	247	171	284	170	220
## ENSG00000230393.1	1	4	5	4	4
## ENSG00000232084.5	0	0	0	0	0
## ENSG00000170500.13	559	719	716	914	672
## ENSG00000269383.2	0	0	0	0	0
## ENSG00000270699.1	0	0	0	0	0
## ENSG00000115526.11	1262	1470	1489	1551	1561
## ENSG00000238029.1	0	0	0	0	0
## ENSG00000204640.1	0	0	0	0	0
## ENSG00000204637.4	0	0	1	1	1
## ENSG00000115539.14	2382	2656	2453	2614	2706
## ENSG00000227259.2	0	0	0	0	0
## ENSG00000234988.4	0	1	0	0	0
## ENSG00000287832.1	0	0	0	0	0
## ENSG00000226034.2	0	0	0	0	0
## ENSG00000234169.1	0	0	0	0	0
## ENSG00000228488.1	0	0	0	0	0
## ENSG00000286737.1	0	0	0	0	0
## ENSG00000289077.1	0	0	0	0	0
## ENSG00000170485.17	29	38	46	49	30
## ENSG00000232034.1	0	0	0	0	0
## ENSG00000230140.7	1	0	1	0	1
## ENSG00000223947.1	2	2	4	2	4
## ENSG00000071082.11	49054	63959	58387	66705	75172
## ENSG00000204634.13	1617	1989	1925	2271	1850
## ENSG00000271532.1	0	3	0	2	2
## ENSG00000272902.2	30	38	38	42	44
## ENSG00000158435.8	7061	8857	8276	8581	8568
## ENSG00000163162.9	1919	2825	2437	2719	2248
## ENSG00000212283.1	9	12	6	6	8
## ENSG00000264857.1	0	0	0	0	0
## ENSG00000175874.10	33	14	43	29	43
## ENSG00000226058.1	1	0	0	0	0
## ENSG00000196460.14	0	0	0	0	1
## ENSG00000223826.1	0	0	0	0	0
## ENSG00000237549.1	0	0	0	0	0
## ENSG00000232556.1	0	0	0	0	0
## ENSG00000286047.1	0	0	0	0	0
## ENSG00000286101.1	0	0	0	0	0
## ENSG00000071054.17	23801	28015	27632	27044	24837
## ENSG00000288948.1	0	0	0	2	0
## ENSG00000289167.1	0	0	0	0	0
## ENSG00000281162.4	1	1	0	1	0
## ENSG00000115590.14	44	72	33	76	39
## ENSG00000287771.1	0	0	0	0	0
## ENSG00000115594.12	152	357	306	491	276
## ENSG00000226925.1	0	0	0	0	0
## ENSG00000115598.10	5	2	5	7	3
## ENSG00000205716.4	0	0	0	0	2
## ENSG00000115602.17	8	108	58	159	121
## ENSG00000115604.12	22	43	32	75	37

## ENSG00000236785.1	0	0	0	0	0
## ENSG00000115607.10	0	0	1	0	0
## ENSG00000264764.1	0	0	0	0	0
## ENSG00000236525.1	0	0	0	0	0
## ENSG00000234389.1	0	1	0	0	0
## ENSG00000180251.5	367	188	403	163	222
## ENSG00000115616.3	470	336	457	276	314
## ENSG00000135953.11	2060	2761	2590	2793	2463
## ENSG00000170417.16	358	502	415	472	406
## ENSG00000277527.2	0	1	0	0	0
## ENSG00000224095.1	1	0	0	0	0
## ENSG00000227680.1	0	0	0	0	0
## ENSG00000229209.1	0	0	0	0	1
## ENSG00000227623.1	0	0	0	0	0
## ENSG00000286290.1	0	0	0	0	0
## ENSG00000236596.1	0	0	0	0	0
## ENSG00000221849.2	0	0	0	0	0
## ENSG00000231723.1	0	0	0	0	0
## ENSG00000232597.6	0	0	0	0	0
## ENSG00000236141.2	0	0	0	0	0
## ENSG00000256637.9	0	0	0	0	0
## ENSG00000273515.1	0	0	0	0	0
## ENSG00000228968.1	0	0	0	0	0
## ENSG00000233955.1	0	0	0	0	0
## ENSG00000227157.2	0	0	0	0	0
## ENSG00000225765.3	4	1	5	0	1
## ENSG00000287793.1	0	0	0	0	0
## ENSG00000235597.3	0	0	0	0	0
## ENSG00000234781.2	0	0	0	0	0
## ENSG00000231626.1	0	0	0	0	0
## ENSG00000236109.2	0	0	0	0	0
## ENSG00000288565.1	0	0	0	0	0
## ENSG00000230690.2	0	0	0	0	0
## ENSG00000225669.1	0	0	0	0	0
## ENSG00000228528.2	44	66	51	56	59
## ENSG00000279904.1	0	0	0	3	0
## ENSG00000207249.1	0	0	0	0	0
## ENSG00000234177.5	0	0	0	0	0
## ENSG00000233639.9	0	0	1	0	0
## ENSG00000213301.2	0	0	0	0	0
## ENSG00000269707.2	0	0	0	0	0
## ENSG00000198914.5	1	6	11	4	9
## ENSG00000289498.1	0	0	0	0	1
## ENSG00000229743.6	1	1	1	0	0
## ENSG00000287135.1	0	1	3	0	0
## ENSG00000224509.4	23	23	31	17	35
## ENSG00000135972.9	2740	3553	2964	3294	3357
## ENSG00000231851.6	17	24	26	17	19
## ENSG00000226508.1	72	64	90	71	74
## ENSG00000135973.3	0	0	0	0	1
## ENSG00000272861.1	1	4	1	3	1
## ENSG00000135966.14	2486	3015	2853	3048	2996
## ENSG00000235319.1	4	3	10	6	9
## ENSG00000272994.2	141	173	170	178	172

## ENSG00000135974.10	1764	2367	2016	2385	1978
## ENSG00000115641.19	2179	3132	3069	3440	3173
## ENSG00000238273.3	3	11	14	8	7
## ENSG00000287036.1	0	2	0	3	0
## ENSG00000287308.1	0	1	5	5	2
## ENSG00000071051.14	5356	6269	6034	6371	6462
## ENSG00000290119.1	0	1	0	0	0
## ENSG00000235522.6	3	5	6	0	1
## ENSG00000234162.3	1	1	1	0	1
## ENSG00000119147.10	8	9	6	9	9
## ENSG00000115652.15	4730	5750	5359	5921	5552
## ENSG00000233339.1	0	0	0	0	0
## ENSG00000273595.1	0	0	0	0	0
## ENSG00000213295.3	5	4	6	3	1
## ENSG00000224061.1	6	0	1	0	0
## ENSG00000230353.5	0	0	0	0	0
## ENSG00000233939.1	0	0	0	0	0
## ENSG00000227513.1	0	1	0	1	0
## ENSG00000229682.1	0	0	0	0	0
## ENSG00000235486.1	1	0	0	0	1
## ENSG00000291125.1	1	0	0	0	0
## ENSG00000240935.9	0	0	0	0	0
## ENSG00000153165.19	35	43	39	27	28
## ENSG00000237666.2	0	0	0	0	0
## ENSG00000254126.8	16	8	17	13	13
## ENSG00000232001.2	0	0	0	0	1
## ENSG00000231505.1	0	0	0	0	0
## ENSG00000214199.3	197	220	197	311	371
## ENSG00000144057.16	545	435	634	418	524
## ENSG00000238250.1	2	2	2	0	3
## ENSG00000227294.1	0	0	0	0	0
## ENSG00000286218.2	0	0	0	0	0
## ENSG00000229360.1	0	0	0	0	0
## ENSG00000226905.1	0	0	0	0	0
## ENSG00000229457.1	0	0	0	0	0
## ENSG00000225588.2	0	0	0	0	0
## ENSG00000237880.2	7	0	2	4	4
## ENSG00000224568.3	4	1	4	0	4
## ENSG00000286769.1	1	0	0	1	0
## ENSG00000232991.5	0	0	0	0	0
## ENSG00000230651.8	0	0	0	0	0
## ENSG00000196862.10	47	85	68	65	52
## ENSG00000233494.1	0	0	0	0	0
## ENSG00000227270.1	0	0	0	0	0
## ENSG00000237745.1	5	8	3	8	10
## ENSG00000235325.1	2	1	0	1	1
## ENSG00000115665.9	71	228	57	230	126
## ENSG00000231221.1	9	12	9	16	5
## ENSG00000229890.1	0	0	1	0	0
## ENSG00000225328.2	25	39	31	62	16
## ENSG00000236877.2	1	0	0	3	0
## ENSG00000196228.5	2	8	6	5	3
## ENSG00000227597.1	0	0	0	1	0
## ENSG00000198203.10	1001	1535	1294	1490	1073

## ENSG00000261209.1	0	2	6	0	3
## ENSG00000290794.1	2	9	9	6	1
## ENSG00000237223.7	0	0	0	0	0
## ENSG00000271070.1	0	1	0	0	0
## ENSG00000198075.10	2436	4074	3440	4148	3334
## ENSG00000271284.1	0	0	0	0	0
## ENSG00000135968.22	5385	8620	6795	8630	5446
## ENSG00000214184.3	21	22	36	23	26
## ENSG00000169756.17	5697	8314	7076	6950	6530
## ENSG00000228763.1	1	1	1	0	2
## ENSG00000233648.1	1	0	0	1	1
## ENSG00000235644.1	2	1	1	0	4
## ENSG00000153201.17	15954	20755	19139	20427	14859
## ENSG00000163006.12	2014	2159	2214	2217	2117
## ENSG00000227470.1	51	53	74	69	44
## ENSG00000135960.10	334	448	383	450	475
## ENSG00000277628.1	0	0	0	0	0
## ENSG00000259863.1	28	25	25	16	26
## ENSG00000172985.11	363	382	465	378	512
## ENSG00000264934.1	0	0	0	0	0
## ENSG00000228551.1	0	1	2	1	1
## ENSG00000265965.1	0	0	0	0	0
## ENSG00000186522.15	4367	5318	5350	5202	4608
## ENSG00000237916.1	0	3	1	8	1
## ENSG00000230696.1	0	0	0	0	2
## ENSG00000198142.5	1618	2105	1902	1728	1754
## ENSG00000230603.1	0	0	0	0	0
## ENSG00000231099.1	0	0	0	0	0
## ENSG00000233307.1	0	0	0	0	1
## ENSG00000233707.3	13	5	12	12	20
## ENSG00000282033.1	0	0	0	1	1
## ENSG00000015568.13	4	2	6	8	6
## ENSG00000256977.13	1	0	0	0	1
## ENSG00000284337.1	0	0	0	0	0
## ENSG00000290731.1	0	0	0	0	0
## ENSG00000283684.1	0	0	0	0	0
## ENSG00000186148.14	0	0	0	0	0
## ENSG00000240069.1	0	0	0	0	0
## ENSG00000225108.1	0	0	0	0	0
## ENSG00000204588.5	131	158	179	156	156
## ENSG00000235721.1	10	10	6	7	10
## ENSG00000229730.2	0	0	0	0	0
## ENSG00000283283.2	1	1	1	1	3
## ENSG00000265682.1	0	0	0	0	0
## ENSG00000144063.4	18	24	22	20	32
## ENSG00000264979.1	0	0	0	0	0
## ENSG00000144061.14	498	623	605	599	578
## ENSG00000233370.1	2	3	2	0	7
## ENSG00000175701.11	272	325	286	431	457
## ENSG00000290732.1	1	2	3	0	3
## ENSG00000282304.1	0	1	0	0	0
## ENSG00000261760.9	0	0	0	0	0
## ENSG00000282785.1	0	0	0	0	0
## ENSG00000263881.1	0	0	0	0	0

## ENSG00000283167.2	0	0	1	0	0
## ENSG00000226991.2	0	0	0	0	1
## ENSG00000230650.1	22	35	28	43	33
## ENSG00000175772.11	189	242	231	283	229
## ENSG00000226065.1	0	0	0	2	1
## ENSG00000293177.1	0	0	0	0	0
## ENSG00000273471.1	1	0	0	1	0
## ENSG00000230596.4	0	0	0	0	0
## ENSG00000184115.18	0	0	0	0	0
## ENSG00000290733.1	0	0	0	0	0
## ENSG00000257207.5	0	0	0	0	0
## ENSG00000256671.7	1	1	0	0	0
## ENSG00000227574.2	0	0	0	0	0
## ENSG00000231583.1	0	0	0	1	0
## ENSG00000183054.13	1	1	3	5	2
## ENSG00000231536.1	1	2	0	0	0
## ENSG00000216867.2	11	13	22	20	8
## ENSG00000169679.15	5643	6109	6584	6555	5936
## ENSG00000289202.3	2	0	0	0	2
## ENSG00000235881.2	0	0	0	0	0
## ENSG00000153093.21	12	17	21	20	22
## ENSG00000236330.1	12	4	11	21	18
## ENSG00000172965.17	196	308	257	284	270
## ENSG00000204581.3	24	18	26	12	26
## ENSG00000153094.25	924	976	1152	935	933
## ENSG00000230499.1	2	0	2	1	0
## ENSG00000227992.1	6	7	1	1	8
## ENSG00000271590.1	1	2	0	1	0
## ENSG00000229118.1	0	0	0	0	0
## ENSG00000270190.1	0	0	0	0	1
## ENSG00000226928.1	0	0	0	0	0
## ENSG00000266139.2	0	0	0	0	0
## ENSG00000223973.3	0	0	1	0	2
## ENSG00000293111.1	0	0	0	0	0
## ENSG00000285016.1	2	2	2	0	0
## ENSG00000280878.1	0	0	0	0	0
## ENSG00000240350.3	0	0	0	0	0
## ENSG00000271635.1	0	0	0	0	0
## ENSG00000225744.1	0	0	0	0	0
## ENSG00000153107.13	5519	6591	6486	6669	5511
## ENSG00000237583.1	0	0	0	0	0
## ENSG00000227842.1	0	0	0	0	0
## ENSG00000228615.1	0	0	0	0	0
## ENSG00000266063.1	0	0	0	0	0
## ENSG00000230958.1	0	0	0	0	0
## ENSG00000236307.2	10	7	14	6	16
## ENSG00000153208.19	1246	2254	1591	2549	1510
## ENSG00000240183.3	0	0	0	0	0
## ENSG00000225496.1	2	5	4	1	1
## ENSG00000232277.1	0	0	0	0	0
## ENSG00000286904.1	15	28	23	23	16
## ENSG00000153214.11	2690	3935	3186	3629	2741
## ENSG00000287141.1	0	0	0	0	0
## ENSG00000144152.13	361	369	442	445	515

## ENSG00000278962.1	117	105	137	130	127
## ENSG00000144161.14	800	1019	988	1084	888
## ENSG00000286545.1	16	15	16	14	15
## ENSG00000188177.15	543	814	666	797	549
## ENSG00000235258.1	1	1	0	0	0
## ENSG00000236555.1	0	0	0	0	0
## ENSG00000169629.12	157	216	225	194	169
## ENSG00000293401.1	1	0	1	0	0
## ENSG00000283698.2	0	0	0	0	0
## ENSG00000114999.8	4981	5263	5854	5806	5859
## ENSG00000125630.16	4820	5564	5432	5700	5070
## ENSG00000207383.1	0	0	0	0	0
## ENSG00000125611.16	1038	1075	1116	1169	1705
## ENSG00000243389.1	14	17	34	21	19
## ENSG00000228251.1	13	14	23	14	10
## ENSG00000231747.1	46	61	53	57	99
## ENSG00000237753.2	16	29	28	28	34
## ENSG00000144136.11	8941	11809	10467	12112	10921
## ENSG00000144130.12	2	11	5	6	2
## ENSG00000169607.13	1506	2175	1932	2325	1721
## ENSG00000115008.6	19	63	53	77	34
## ENSG00000287937.1	0	0	0	0	0
## ENSG00000125538.12	7	32	47	60	20
## ENSG00000280228.1	0	8	0	0	0
## ENSG00000180152.3	2	0	1	1	0
## ENSG00000125571.10	0	19	2	5	2
## ENSG00000227368.1	0	3	0	4	1
## ENSG00000136688.11	8	6	7	17	13
## ENSG00000236124.1	0	1	0	0	0
## ENSG00000232090.2	0	0	0	0	0
## ENSG00000136694.9	0	0	0	0	0
## ENSG00000136696.11	0	0	0	0	0
## ENSG00000136695.15	0	2	0	0	0
## ENSG00000136697.13	0	0	0	0	0
## ENSG00000201805.1	0	0	0	0	0
## ENSG00000136689.20	0	0	1	4	2
## ENSG00000125637.16	1138	1443	1228	1409	1207
## ENSG00000234174.1	0	0	0	3	0
## ENSG00000189223.15	1093	1378	1277	1532	1327
## ENSG00000125618.18	46	40	59	46	40
## ENSG00000234997.3	1	1	0	2	0
## ENSG00000289035.1	0	0	0	0	0
## ENSG00000231292.6	0	0	0	0	1
## ENSG00000272563.1	1	0	0	0	0
## ENSG00000136682.16	1489	1840	1608	1781	1586
## ENSG00000184492.7	5	4	2	7	5
## ENSG00000234148.3	0	0	0	0	0
## ENSG00000231943.11	1	0	0	0	0
## ENSG00000225398.3	3	0	0	0	0
## ENSG00000226516.7	0	0	0	0	0
## ENSG00000287165.1	0	1	3	0	4
## ENSG00000221055.1	0	0	0	0	0
## ENSG00000291134.1	62	74	81	91	94
## ENSG00000146556.17	0	0	0	0	0

## ENSG00000236397.3	31	23	28	42	18
## ENSG00000279267.1	109	174	143	148	119
## ENSG00000293106.1	259	369	352	316	302
## ENSG00000240356.7	0	0	0	0	0
## ENSG00000144134.19	469	531	567	565	565
## ENSG00000144158.4	21	26	19	21	30
## ENSG00000175509.8	1	0	0	1	0
## ENSG00000233479.1	0	0	0	0	0
## ENSG00000227359.1	5	17	16	20	13
## ENSG00000202427.1	0	0	0	0	0
## ENSG00000115084.15	4333	6594	5318	6333	4399
## ENSG00000265429.3	0	0	0	0	1
## ENSG00000244063.1	9	8	3	19	4
## ENSG00000228857.3	48	60	62	76	49
## ENSG00000270019.2	7	17	10	12	12
## ENSG00000115091.12	18699	27389	21339	24728	21480
## ENSG00000279957.1	0	0	0	0	0
## ENSG00000234199.3	7	6	2	4	3
## ENSG00000243179.1	0	0	0	3	0
## ENSG00000212182.2	0	0	0	0	0
## ENSG00000286513.1	1	0	0	1	0
## ENSG00000235242.1	0	0	0	0	0
## ENSG00000231926.1	0	0	0	0	0
## ENSG00000222923.1	0	0	0	0	0
## ENSG00000175497.17	1817	2551	2278	2587	2177
## ENSG00000231538.1	0	0	0	0	0
## ENSG00000235717.1	0	0	0	0	0
## ENSG00000286776.1	0	0	0	1	0
## ENSG00000235026.8	95	162	145	146	128
## ENSG00000230391.1	0	1	1	0	0
## ENSG00000287451.1	0	0	1	2	1
## ENSG00000271667.1	0	0	0	0	0
## ENSG00000224869.1	0	0	0	0	0
## ENSG00000226341.1	0	0	0	0	0
## ENSG00000235871.1	0	0	0	0	0
## ENSG00000230158.1	0	0	1	0	0
## ENSG00000230950.1	0	0	0	0	0
## ENSG00000228898.1	0	0	0	0	0
## ENSG00000239185.1	0	0	0	0	0
## ENSG00000227291.1	0	0	0	0	0
## ENSG00000286370.1	0	0	4	1	2
## ENSG00000238207.2	23	27	20	22	16
## ENSG00000088205.13	10816	13334	12137	13115	11728
## ENSG00000236255.2	47	84	78	90	56
## ENSG00000125631.8	0	1	0	0	0
## ENSG00000290590.1	2	1	0	2	0
## ENSG00000125633.11	1847	2328	2304	2505	1832
## ENSG00000224967.1	0	0	0	1	0
## ENSG00000235066.7	2	4	0	0	0
## ENSG00000272895.1	0	0	0	0	0
## ENSG00000279227.2	33	37	33	35	40
## ENSG00000243510.3	0	0	0	0	0
## ENSG00000125629.16	2074	2206	2518	2125	2274
## ENSG00000226856.9	9	10	12	14	14

## ENSG00000258910.3	2	3	0	3	4
## ENSG00000163064.7	7	10	5	9	9
## ENSG00000019169.11	13	13	17	13	12
## ENSG00000259094.1	23	26	23	29	13
## ENSG00000144119.4	376	514	515	442	469
## ENSG00000264833.1	0	0	0	1	0
## ENSG00000115107.20	6031	10865	7350	10906	9739
## ENSG00000229867.2	12	25	15	24	20
## ENSG00000186132.15	346	380	373	403	391
## ENSG00000155368.18	9010	10588	10155	10952	11070
## ENSG00000171227.7	2128	2537	2516	2889	2800
## ENSG00000080293.10	546	469	602	508	730
## ENSG00000231013.2	38	31	28	23	35
## ENSG00000163075.13	360	389	399	418	454
## ENSG00000144120.13	1560	1682	1633	1928	2024
## ENSG00000229326.3	0	0	0	0	0
## ENSG00000088179.9	2091	2732	2675	2673	2062
## ENSG00000233741.1	10	5	5	6	10
## ENSG00000115109.14	4179	4538	4803	4450	4348
## ENSG00000224789.1	1	0	0	0	0
## ENSG00000202046.1	0	0	0	1	0
## ENSG00000236878.1	2	1	0	0	1
## ENSG00000227788.1	3	3	1	0	0
## ENSG00000233286.1	0	0	0	0	0
## ENSG00000243104.1	0	0	1	1	0
## ENSG00000234065.2	0	2	3	1	0
## ENSG00000223549.1	5	2	0	1	2
## ENSG00000226479.4	1933	2595	2348	2799	2627
## ENSG00000144118.14	4132	5997	4615	5687	5207
## ENSG00000289091.2	0	0	0	5	1
## ENSG00000235840.1	0	0	1	0	0
## ENSG00000163083.6	2101	2778	2500	2879	3016
## ENSG00000280409.1	11	10	15	10	29
## ENSG00000237614.3	12	12	22	23	16
## ENSG00000232140.2	33	41	26	37	38
## ENSG00000201006.1	0	0	0	0	0
## ENSG00000229774.1	0	0	0	0	0
## ENSG00000074047.22	1084	1135	1183	1307	1329
## ENSG00000271709.1	0	0	0	0	0
## ENSG00000201584.1	0	0	0	0	0
## ENSG00000234455.1	0	0	0	0	0
## ENSG00000236145.1	0	0	0	0	0
## ENSG00000115112.8	131	156	180	189	128
## ENSG00000232723.1	0	0	0	0	0
## ENSG00000074054.21	6452	7756	7893	7853	7016
## ENSG00000265451.1	4	5	5	13	6
## ENSG00000264229.1	1	2	0	1	2
## ENSG00000222467.1	0	0	0	0	0
## ENSG00000236859.8	207	223	297	251	264
## ENSG00000230993.1	0	1	1	3	1
## ENSG00000279721.1	0	0	1	0	0
## ENSG00000213239.3	1	1	3	4	3
## ENSG00000155438.12	3901	4959	4108	4206	4261
## ENSG00000211460.12	9244	11140	10273	10529	10187

## ENSG00000270798.1	0	0	0	0	0
## ENSG00000224655.7	2	4	8	2	4
## ENSG00000286481.2	2	0	5	4	2
## ENSG00000287871.1	0	0	0	0	0
## ENSG00000237856.1	0	0	0	0	0
## ENSG00000232740.1	0	0	0	0	0
## ENSG00000287854.1	0	0	0	0	0
## ENSG00000226708.1	0	0	0	0	0
## ENSG00000235640.1	0	0	0	0	0
## ENSG00000227738.1	0	0	0	0	0
## ENSG00000279874.1	0	0	0	0	0
## ENSG00000223118.1	0	0	0	0	0
## ENSG00000228400.2	3	1	1	3	2
## ENSG00000155052.15	251	207	300	199	349
## ENSG00000238046.1	0	0	0	0	0
## ENSG00000286384.1	0	0	0	0	0
## ENSG00000270815.1	0	0	0	0	0
## ENSG00000252674.1	0	0	0	0	0
## ENSG00000206726.1	0	0	0	0	0
## ENSG00000286206.1	0	7	0	8	1
## ENSG00000235491.1	102	251	132	266	117
## ENSG00000224410.1	0	0	0	0	0
## ENSG00000226813.3	0	0	0	0	0
## ENSG00000286515.1	0	0	0	0	0
## ENSG00000290113.1	4	1	1	1	1
## ENSG00000235774.2	0	0	0	0	0
## ENSG00000236655.1	0	0	0	0	0
## ENSG00000213236.3	39	48	40	60	41
## ENSG00000288524.1	0	0	0	0	0
## ENSG00000136732.16	4432	4669	4691	4505	6397
## ENSG00000235128.1	4	2	0	0	3
## ENSG00000206963.1	0	0	0	0	0
## ENSG00000237524.11	0	0	0	0	0
## ENSG00000238788.1	0	0	0	0	0
## ENSG00000260634.2	9	5	11	3	12
## ENSG00000286971.1	0	0	0	0	0
## ENSG00000260163.1	1	4	3	2	2
## ENSG00000136717.15	4341	5236	5091	5246	6060
## ENSG00000286400.1	0	0	0	0	0
## ENSG00000237630.1	0	0	0	0	0
## ENSG00000186684.14	320	232	377	207	345
## ENSG00000226789.1	0	0	0	3	0
## ENSG00000163161.14	3803	4627	4373	5159	4727
## ENSG00000286145.2	1	5	2	2	2
## ENSG00000169967.17	2133	3192	2622	2815	1973
## ENSG00000200250.1	0	1	1	0	0
## ENSG00000236682.4	50	58	68	55	57
## ENSG00000287742.1	4	6	5	3	2
## ENSG00000115718.18	121	126	116	116	133
## ENSG00000264075.1	0	0	0	1	0
## ENSG00000163166.15	7803	9509	9506	9494	8333
## ENSG00000231731.7	16	28	31	23	14
## ENSG00000202429.1	0	0	0	0	0
## ENSG00000169994.20	6	5	12	8	12

## ENSG00000272789.1	0	1	0	0	0
## ENSG00000072163.20	567	436	634	398	673
## ENSG00000144230.17	7	6	6	5	6
## ENSG00000136709.12	6702	7801	7666	8157	7273
## ENSG00000173349.6	0	0	0	0	0
## ENSG00000201470.1	0	0	0	0	0
## ENSG00000200390.1	0	0	0	0	0
## ENSG00000274010.1	1	4	0	2	2
## ENSG00000144231.11	4661	5397	5612	5070	5796
## ENSG00000202532.1	0	0	0	0	0
## ENSG00000244563.1	0	0	0	0	0
## ENSG00000273950.1	3	5	3	2	2
## ENSG00000144233.12	4599	6012	5684	6419	5285
## ENSG00000272667.1	199	199	179	180	207
## ENSG00000286873.1	116	118	112	102	121
## ENSG00000204399.3	0	0	0	0	0
## ENSG00000136715.19	4244	4497	5456	4914	5018
## ENSG00000234044.1	0	0	0	0	1
## ENSG00000200432.1	0	0	0	0	0
## ENSG00000289982.1	0	1	1	1	1
## ENSG00000136731.13	20761	24490	21308	22407	18059
## ENSG00000229173.1	1	0	0	0	0
## ENSG00000232101.1	2	3	2	2	1
## ENSG00000229758.2	1	3	3	2	3
## ENSG00000185631.7	0	1	1	1	1
## ENSG00000238180.1	1	1	0	0	0
## ENSG00000136720.7	6523	6988	7161	7127	8361
## ENSG00000252742.1	0	0	0	1	0
## ENSG00000238379.1	0	0	0	0	0
## ENSG00000227653.1	0	0	0	3	1
## ENSG00000237532.1	0	0	0	0	0
## ENSG00000238277.1	0	0	0	0	2
## ENSG00000204460.3	2	0	0	0	0
## ENSG00000289374.1	0	0	0	0	0
## ENSG00000233428.1	0	0	0	0	1
## ENSG00000229536.3	18	40	31	27	39
## ENSG00000286957.1	29	18	31	23	17
## ENSG00000291116.1	0	0	0	0	0
## ENSG00000237574.1	0	0	0	0	0
## ENSG00000214100.11	0	0	0	0	0
## ENSG00000234559.1	1	0	0	0	0
## ENSG00000290615.1	2	1	5	3	1
## ENSG00000225449.4	0	0	0	0	0
## ENSG00000222014.6	11	11	7	9	10
## ENSG00000284619.1	0	0	0	0	0
## ENSG00000286026.1	0	0	0	0	0
## ENSG00000250207.1	0	0	0	0	0
## ENSG00000217289.3	1	2	1	2	2
## ENSG00000231147.2	0	0	1	0	1
## ENSG00000290591.1	9	10	9	19	20
## ENSG00000286058.1	57	50	60	52	53
## ENSG00000180178.12	0	0	0	0	0
## ENSG00000291278.1	6	5	5	7	6
## ENSG00000231240.1	5	13	8	10	4

## ENSG00000248313.1	0	0	0	0	0
## ENSG00000196604.13	22	29	33	29	30
## ENSG00000228471.1	0	0	0	0	0
## ENSG00000224087.1	1	0	0	0	0
## ENSG00000252223.1	0	0	0	0	0
## ENSG00000290707.1	16	9	8	11	16
## ENSG00000223760.5	2	4	1	0	0
## ENSG00000152076.19	293	279	333	298	435
## ENSG00000136699.20	7615	7934	8349	8367	9054
## ENSG00000152082.15	2185	2154	2199	2077	3059
## ENSG00000152086.9	2	2	4	1	0
## ENSG00000227632.2	23	41	24	42	33
## ENSG00000230756.1	4	3	4	2	5
## ENSG00000213225.8	11	10	4	8	9
## ENSG00000293150.1	0	0	0	1	2
## ENSG00000234398.1	0	0	0	0	0
## ENSG00000236595.1	0	0	0	0	0
## ENSG00000237722.2	0	0	0	0	0
## ENSG00000231954.1	0	0	0	0	0
## ENSG00000236211.1	0	0	0	0	0
## ENSG00000230496.1	0	0	0	0	0
## ENSG00000232990.2	0	0	0	0	0
## ENSG00000249997.1	0	0	0	0	0
## ENSG00000283940.1	0	0	0	0	0
## ENSG00000284171.1	0	0	0	0	0
## ENSG00000230548.1	0	0	0	0	0
## ENSG00000234934.1	0	0	0	0	0
## ENSG00000248136.1	0	0	0	0	0
## ENSG00000233550.1	0	0	0	0	0
## ENSG00000226915.1	4	8	6	15	9
## ENSG00000271435.1	0	0	0	0	0
## ENSG00000224352.1	0	0	0	0	0
## ENSG00000136710.10	1293	1432	1471	1463	1587
## ENSG00000136718.10	5046	5336	5443	5519	6442
## ENSG00000072135.13	1408	1683	1667	1807	1786
## ENSG00000290596.1	132	137	177	124	139
## ENSG00000178162.9	0	0	0	0	0
## ENSG00000230646.1	8	6	21	10	5
## ENSG00000290599.1	0	0	0	0	1
## ENSG00000239402.4	0	0	0	0	0
## ENSG00000196834.14	20	10	14	30	18
## ENSG00000251973.1	0	0	0	0	0
## ENSG00000225819.1	0	0	0	0	0
## ENSG00000274711.1	0	0	0	0	0
## ENSG00000152093.8	1	2	3	1	2
## ENSG00000225341.1	0	0	0	0	0
## ENSG00000290610.1	0	0	0	0	0
## ENSG00000184761.9	0	0	0	0	0
## ENSG00000290614.1	0	0	0	0	0
## ENSG00000183292.14	0	0	0	0	0
## ENSG00000232408.1	0	0	0	0	1
## ENSG00000136698.10	80	120	99	140	122
## ENSG00000277668.1	0	0	0	0	0
## ENSG00000222038.4	2	4	2	3	4

## ENSG00000251757.1	0	0	0	0	0
## ENSG00000290699.1	0	0	0	0	0
## ENSG00000282944.1	0	1	0	0	0
## ENSG00000214081.9	0	0	0	0	0
## ENSG00000240253.7	0	0	0	0	0
## ENSG00000223349.1	0	1	5	0	2
## ENSG00000290700.1	74	60	72	68	66
## ENSG00000173302.5	1	0	2	3	5
## ENSG00000229797.2	6	3	3	1	5
## ENSG00000178171.12	423	298	524	278	392
## ENSG00000232503.1	0	2	1	1	1
## ENSG00000233221.7	3	2	3	0	7
## ENSG00000136002.21	47	36	40	31	50
## ENSG00000281159.1	0	0	0	0	0
## ENSG00000281516.1	0	0	0	0	0
## ENSG00000284479.3	4	6	6	9	5
## ENSG00000152102.18	13016	16940	16469	17986	15068
## ENSG00000115762.17	10620	12991	12222	12945	11850
## ENSG00000230450.1	8	11	8	5	8
## ENSG00000225448.1	0	0	1	0	1
## ENSG00000236956.2	26	26	35	26	17
## ENSG00000285819.1	6	5	8	5	5
## ENSG00000248796.1	1	2	2	1	5
## ENSG00000188219.16	54	67	76	111	65
## ENSG00000212199.1	0	0	0	0	0
## ENSG00000290654.1	39	81	65	110	55
## ENSG00000231431.8	22	23	20	24	9
## ENSG00000236516.1	12	15	13	10	11
## ENSG00000284604.1	0	0	0	0	0
## ENSG00000227817.4	0	0	0	2	1
## ENSG00000284706.1	0	0	0	0	0
## ENSG00000224425.2	1	0	1	0	0
## ENSG00000233087.8	23	31	34	28	25
## ENSG00000283303.1	0	1	1	0	4
## ENSG00000233285.1	0	0	0	0	0
## ENSG00000227275.1	0	0	0	0	0
## ENSG00000235080.2	0	0	0	0	0
## ENSG00000231777.1	0	0	0	0	0
## ENSG00000284003.1	0	0	0	0	0
## ENSG00000283865.1	0	0	0	0	0
## ENSG00000227661.1	0	0	0	0	0
## ENSG00000236590.1	0	0	0	0	0
## ENSG00000234480.1	0	0	0	0	0
## ENSG00000237910.1	0	0	0	0	0
## ENSG00000234939.1	0	0	0	0	0
## ENSG00000234576.2	0	0	0	0	0
## ENSG00000226831.1	0	0	0	0	0
## ENSG00000276460.1	0	0	0	0	0
## ENSG00000223631.2	0	0	0	0	0
## ENSG00000284659.1	1	0	2	0	1
## ENSG00000214077.4	9	8	24	13	11
## ENSG00000217950.4	8	7	6	6	6
## ENSG00000232742.3	8	8	12	16	5
## ENSG00000273073.1	3	11	2	3	9

## ENSG00000173272.16	1968	2084	1922	2092	2871
## ENSG00000075886.11	11	26	25	29	16
## ENSG00000284149.1	0	0	0	0	0
## ENSG00000152117.19	8	4	5	2	5
## ENSG00000293311.1	378	416	422	522	489
## ENSG00000163040.15	394	365	384	379	555
## ENSG00000224679.1	0	3	1	0	0
## ENSG00000286208.1	0	0	0	0	0
## ENSG00000204434.6	2	1	8	11	17
## ENSG00000251956.1	0	0	0	0	0
## ENSG00000224559.2	1	0	0	0	1
## ENSG00000270930.1	0	0	0	0	0
## ENSG00000287151.1	120	164	151	155	156
## ENSG00000288031.1	0	0	1	5	4
## ENSG00000197927.14	12	26	21	20	18
## ENSG00000213222.3	43	65	62	67	61
## ENSG00000290616.1	2	3	2	5	3
## ENSG00000290594.1	0	0	1	2	3
## ENSG00000287071.2	0	0	0	0	0
## ENSG00000290618.1	0	0	0	0	0
## ENSG00000186825.7	0	0	0	0	0
## ENSG00000274353.1	0	0	0	0	0
## ENSG00000229203.1	0	0	0	1	0
## ENSG00000232760.1	0	5	3	5	4
## ENSG00000244337.2	0	0	0	0	0
## ENSG00000235615.2	0	0	0	1	0
## ENSG00000236485.1	0	0	0	0	0
## ENSG00000287414.1	0	0	0	0	0
## ENSG00000226886.1	0	0	0	0	0
## ENSG00000271179.1	0	0	0	0	0
## ENSG00000225594.1	0	0	0	0	0
## ENSG00000227745.1	0	0	0	0	0
## ENSG00000163046.16	0	0	0	0	0
## ENSG00000239108.1	0	0	0	0	0
## ENSG00000202174.1	0	0	0	0	0
## ENSG00000221288.1	0	0	0	0	0
## ENSG00000233786.1	0	1	1	0	1
## ENSG00000230803.1	0	0	0	0	0
## ENSG00000290902.1	8	1	6	10	2
## ENSG00000018607.9	0	0	1	1	1
## ENSG00000272769.2	3	1	3	6	9
## ENSG00000286833.3	10	8	5	4	6
## ENSG00000230992.3	5	8	9	9	8
## ENSG00000252705.1	0	0	0	0	0
## ENSG00000183840.8	355	519	451	553	548
## ENSG00000232349.2	0	0	0	0	0
## ENSG00000200718.1	0	0	0	0	0
## ENSG00000150551.11	2827	3011	2902	3251	4189
## ENSG00000230065.1	0	3	2	1	2
## ENSG00000176771.18	927	1248	976	1308	975
## ENSG00000286068.1	1	0	0	0	0
## ENSG00000228721.1	0	0	0	0	0
## ENSG00000233729.1	1	0	1	1	0
## ENSG00000279512.1	0	0	0	0	0

## ENSG00000226953.8	35	37	42	42	38
## ENSG00000252688.1	0	0	0	0	2
## ENSG00000222068.1	0	0	0	0	0
## ENSG00000232474.1	3	3	0	0	0
## ENSG00000223430.1	0	0	0	0	0
## ENSG00000200708.1	0	0	0	0	0
## ENSG00000286697.1	0	0	0	0	0
## ENSG00000152127.9	6973	8640	8386	8356	7779
## ENSG00000263813.1	0	0	0	0	0
## ENSG00000289534.1	0	0	0	0	0
## ENSG00000222921.1	0	0	0	0	0
## ENSG00000234060.1	0	0	0	0	0
## ENSG00000152128.13	161	62	189	50	121
## ENSG00000287463.1	0	0	0	0	1
## ENSG00000224043.9	166	251	243	227	204
## ENSG00000234682.1	0	0	0	3	1
## ENSG00000228098.1	0	0	0	0	0
## ENSG00000153086.14	8	3	3	12	8
## ENSG00000263783.1	2	0	0	0	1
## ENSG00000082258.13	3781	5100	4503	4907	3993
## ENSG00000176601.14	27	22	32	13	28
## ENSG00000115839.19	5492	6723	6491	6523	5716
## ENSG00000208308.1	0	0	0	1	2
## ENSG00000121988.18	1225	1379	1411	1354	1239
## ENSG00000235651.1	6	4	4	10	8
## ENSG00000048991.18	5213	6204	6295	6241	5901
## ENSG00000201308.1	0	0	0	2	0
## ENSG00000207654.4	0	1	0	0	0
## ENSG00000144224.17	13251	17748	15978	17854	14127
## ENSG00000115850.10	74	87	94	100	76
## ENSG00000200664.1	0	0	0	0	0
## ENSG00000226806.1	0	1	0	0	0
## ENSG00000076003.5	12841	12492	14242	12363	13665
## ENSG00000214070.3	0	1	0	0	0
## ENSG00000115866.11	8414	10331	9359	9795	8961
## ENSG00000231890.10	29	46	29	36	23
## ENSG00000237262.1	0	0	1	0	0
## ENSG00000121966.8	526	553	565	553	578
## ENSG00000289974.1	0	0	0	0	0
## ENSG00000227347.1	57	81	81	87	85
## ENSG00000279024.1	0	1	0	1	0
## ENSG00000230037.1	1	2	1	5	0
## ENSG00000251976.1	0	0	0	0	0
## ENSG00000229568.1	0	0	0	0	0
## ENSG00000144229.13	913	1385	1107	1449	1025
## ENSG00000212425.1	0	0	0	0	0
## ENSG00000222394.2	0	0	0	0	0
## ENSG00000150540.14	306	572	358	581	385
## ENSG00000224231.2	0	2	0	0	0
## ENSG00000233045.1	13	5	9	21	14
## ENSG00000234645.3	25	16	22	30	33
## ENSG00000237939.1	1	0	1	2	2
## ENSG00000232915.1	0	0	0	0	0
## ENSG00000228043.5	16	17	12	21	17

## ENSG00000230569.1	0	0	0	0	0
## ENSG00000144228.9	2791	4565	3557	3994	3158
## ENSG00000241772.2	0	1	0	1	0
## ENSG00000260059.1	0	0	0	2	2
## ENSG00000237772.2	1	6	1	2	4
## ENSG00000144227.5	1676	1911	1743	1744	2008
## ENSG00000222826.1	0	0	0	0	0
## ENSG00000229104.1	0	1	2	1	3
## ENSG00000232992.2	0	0	0	0	0
## ENSG00000287147.1	0	0	0	0	0
## ENSG00000286778.1	0	0	0	0	0
## ENSG00000226939.1	0	0	0	0	0
## ENSG00000229131.1	0	0	0	0	0
## ENSG00000206901.1	0	0	0	0	0
## ENSG00000235232.1	0	0	0	0	0
## ENSG00000228374.1	0	0	0	0	0
## ENSG00000223554.1	0	0	0	0	0
## ENSG00000240977.3	0	0	0	0	0
## ENSG00000224028.1	0	0	0	0	0
## ENSG00000227149.1	0	0	0	0	0
## ENSG00000231567.1	0	0	0	0	0
## ENSG00000223921.1	0	0	0	0	0
## ENSG00000168702.18	49	71	90	81	73
## ENSG00000277306.1	0	0	0	0	0
## ENSG00000283506.1	0	0	0	0	0
## ENSG00000236440.1	1	0	1	0	1
## ENSG00000238065.1	0	0	0	0	0
## ENSG00000201892.1	0	0	0	0	0
## ENSG00000252015.1	0	0	0	0	0
## ENSG00000233329.1	0	0	0	0	0
## ENSG00000244125.1	3	1	1	0	0
## ENSG00000228134.1	0	0	0	0	0
## ENSG00000229781.1	0	2	0	0	0
## ENSG00000115919.15	63	99	180	231	107
## ENSG00000270390.1	0	0	0	0	0
## ENSG00000075884.14	3	7	4	1	9
## ENSG00000224288.2	0	0	0	0	0
## ENSG00000226839.1	0	0	0	0	0
## ENSG00000224852.1	0	0	0	0	0
## ENSG00000232772.1	0	0	0	0	0
## ENSG00000236300.2	0	0	0	0	0
## ENSG00000227557.1	0	0	0	0	0
## ENSG00000225476.1	0	0	0	0	0
## ENSG00000284167.1	0	0	0	0	0
## ENSG00000231766.1	0	0	0	0	0
## ENSG00000257284.1	0	0	0	0	0
## ENSG00000228655.7	0	0	0	0	0
## ENSG00000283994.1	0	0	0	0	0
## ENSG00000231758.3	1	0	0	0	0
## ENSG00000257277.2	1	1	2	0	3
## ENSG00000257226.2	0	0	0	0	0
## ENSG00000236356.1	0	0	0	0	0
## ENSG00000200287.1	0	0	0	0	0
## ENSG00000232377.1	0	0	1	0	0

## ENSG00000121964.15	771	916	927	956	739
## ENSG00000169554.23	56	169	127	258	141
## ENSG00000283118.1	1	0	0	0	0
## ENSG00000279166.1	0	0	0	0	0
## ENSG00000238057.10	0	0	0	0	0
## ENSG00000275372.1	0	0	0	0	0
## ENSG00000273537.1	0	0	0	0	0
## ENSG00000277444.1	0	0	0	0	0
## ENSG00000232606.3	0	0	0	0	0
## ENSG00000287115.2	1	0	0	0	2
## ENSG00000226674.11	0	0	1	0	1
## ENSG00000234940.1	0	0	0	0	0
## ENSG00000276706.1	0	0	0	0	0
## ENSG00000235352.1	0	0	0	0	0
## ENSG00000268580.1	0	0	0	0	0
## ENSG00000235435.1	0	0	0	0	0
## ENSG00000214064.3	0	0	1	0	0
## ENSG00000225107.1	0	0	0	0	0
## ENSG00000286225.1	0	6	9	2	2
## ENSG00000226218.1	0	0	0	0	0
## ENSG00000234119.1	0	1	3	0	0
## ENSG00000233842.2	2	0	1	2	5
## ENSG00000279876.1	0	0	0	0	0
## ENSG00000251905.1	0	0	0	0	0
## ENSG00000230559.1	0	0	0	0	0
## ENSG00000227134.1	0	0	0	0	0
## ENSG00000198526.7	0	0	1	0	0
## ENSG00000231040.3	0	0	0	0	0
## ENSG00000271583.1	0	0	0	0	0
## ENSG00000287847.1	0	0	0	0	0
## ENSG00000207225.1	0	0	0	0	0
## ENSG00000207161.1	0	0	0	0	0
## ENSG00000202074.1	0	0	0	0	0
## ENSG00000253083.1	0	0	0	0	0
## ENSG00000229143.1	0	0	0	0	0
## ENSG00000121989.15	1852	2243	2116	1938	2034
## ENSG00000212389.1	0	0	0	0	0
## ENSG00000223911.1	1	0	0	0	0
## ENSG00000115947.14	4054	5178	4379	4756	4441
## ENSG00000204406.14	1545	2081	2025	2147	1694
## ENSG00000281469.1	0	3	1	0	2
## ENSG00000281772.1	0	0	0	0	0
## ENSG00000212181.1	0	0	0	0	0
## ENSG00000224007.1	0	1	0	0	0
## ENSG00000232238.1	0	0	0	0	0
## ENSG00000135999.12	2261	2877	2635	2777	2390
## ENSG00000222126.1	0	0	0	0	0
## ENSG00000223962.1	0	0	0	0	0
## ENSG00000231079.7	2	2	2	1	5
## ENSG00000228848.3	0	0	0	2	1
## ENSG00000226340.1	1	1	1	0	3
## ENSG00000168280.18	6214	6967	7811	7196	6444
## ENSG00000289474.2	12	8	5	13	15
## ENSG00000286167.1	0	0	0	0	0

## ENSG00000150556.17	6638	8565	7230	8326	9133
## ENSG00000228236.2	0	1	0	0	1
## ENSG00000286335.1	0	5	2	7	3
## ENSG00000224337.1	0	0	0	0	0
## ENSG00000187123.15	5484	5736	6340	5896	6408
## ENSG00000223604.1	0	0	0	0	1
## ENSG00000168288.13	8229	10657	9411	9391	9656
## ENSG00000231969.4	33	39	33	35	31
## ENSG00000207270.1	0	0	0	0	0
## ENSG00000162947.5	2	0	1	0	1
## ENSG00000286081.2	0	0	0	0	0
## ENSG00000230645.2	0	0	0	0	0
## ENSG00000231420.1	0	0	0	0	0
## ENSG00000115963.14	4654	6261	4937	5713	5219
## ENSG00000236049.1	0	0	0	0	1
## ENSG00000237220.1	0	0	0	0	0
## ENSG00000232359.1	0	0	0	0	0
## ENSG00000224048.6	0	0	0	0	0
## ENSG00000228064.1	1	5	0	0	1
## ENSG00000222031.1	0	0	0	0	0
## ENSG00000236885.2	0	0	0	0	0
## ENSG00000213201.3	3	2	1	5	4
## ENSG00000184898.7	210	315	302	359	228
## ENSG00000123609.11	103	130	127	159	95
## ENSG00000123610.5	0	3	1	3	3
## ENSG00000283569.1	0	0	0	0	0
## ENSG00000264684.1	0	0	0	0	0
## ENSG00000242113.3	0	0	0	0	0
## ENSG00000080345.18	6688	9085	7895	8257	6208
## ENSG00000183091.21	151	146	155	134	172
## ENSG00000162980.17	3656	5289	4343	3856	4118
## ENSG00000288066.1	590	815	752	653	831
## ENSG00000283228.1	0	0	0	0	0
## ENSG00000182389.20	51	35	34	20	43
## ENSG00000225214.1	0	0	0	0	0
## ENSG00000115145.10	1679	2465	1979	2378	1736
## ENSG00000234272.1	0	0	1	0	0
## ENSG00000286234.1	4	2	0	2	1
## ENSG00000199884.1	0	0	0	0	0
## ENSG00000157827.20	6041	8359	7699	8720	6114
## ENSG00000213197.3	1	2	4	4	2
## ENSG00000287085.1	1	1	0	0	0
## ENSG00000270776.1	0	0	0	0	0
## ENSG00000286207.1	36	53	52	46	28
## ENSG00000196504.21	17898	22790	21192	21562	19149
## ENSG00000177917.12	1747	2391	2235	2241	2216
## ENSG00000234932.2	0	0	0	0	0
## ENSG00000226213.1	0	0	0	0	0
## ENSG00000214025.2	0	0	0	0	0
## ENSG00000224612.2	0	0	0	0	0
## ENSG00000226338.1	0	0	0	0	0
## ENSG00000227708.1	0	0	0	0	0
## ENSG00000214024.2	0	0	0	0	0
## ENSG00000242575.1	10	19	12	28	16

## ENSG00000227400.2	2	8	4	9	1
## ENSG00000200377.1	0	0	0	0	0
## ENSG00000177519.4	89	89	93	77	112
## ENSG00000236917.1	0	0	0	0	0
## ENSG00000144278.15	2421	2892	2932	2753	2696
## ENSG00000230251.1	2	3	3	9	4
## ENSG00000224675.1	8	15	11	13	22
## ENSG00000238004.1	0	0	0	0	0
## ENSG00000223290.1	0	0	0	0	0
## ENSG00000287900.1	218	290	259	329	308
## ENSG00000162989.5	3907	5962	4745	5645	5573
## ENSG00000228837.2	5	16	7	15	1
## ENSG00000230991.2	20	108	38	103	24
## ENSG00000223197.1	0	0	0	0	0
## ENSG00000232982.1	0	0	0	0	0
## ENSG00000229701.1	0	0	0	0	0
## ENSG00000227682.3	0	0	0	0	0
## ENSG00000293112.1	0	0	0	0	1
## ENSG00000233709.1	0	0	0	0	0
## ENSG00000233039.1	0	0	0	0	0
## ENSG00000233248.1	0	0	0	0	0
## ENSG00000229935.1	0	0	0	0	0
## ENSG00000206718.1	0	0	0	0	0
## ENSG00000286679.1	1	0	0	1	0
## ENSG00000226383.7	107	154	140	172	108
## ENSG00000235548.1	0	0	0	0	0
## ENSG00000282440.1	0	0	4	0	1
## ENSG00000153234.16	563	854	708	759	944
## ENSG00000115159.17	10436	12501	12433	10732	12192
## ENSG00000283436.1	0	0	0	0	0
## ENSG00000238069.1	0	0	0	0	0
## ENSG00000287048.1	1	2	3	0	1
## ENSG00000286889.1	2	0	0	0	0
## ENSG00000286530.1	0	0	0	0	0
## ENSG00000213194.3	1	3	2	3	3
## ENSG00000136542.9	820	1793	1041	1725	1088
## ENSG00000222404.1	1	0	0	0	0
## ENSG00000136541.15	30	27	46	22	26
## ENSG00000230562.3	5	4	9	12	8
## ENSG00000115165.10	18	23	33	20	28
## ENSG00000123612.16	1693	582	1772	581	1070
## ENSG00000234584.1	1	2	5	1	1
## ENSG00000115170.16	1761	2561	2248	2434	2273
## ENSG00000007001.13	0	0	1	3	0
## ENSG00000270557.1	1	1	1	4	2
## ENSG00000251980.1	0	0	0	0	0
## ENSG00000271320.1	0	0	0	2	0
## ENSG00000228937.1	0	1	0	0	1
## ENSG00000212410.1	0	0	0	0	0
## ENSG00000231158.1	1	0	0	1	0
## ENSG00000237327.1	0	0	0	0	0
## ENSG00000227480.2	0	0	0	0	0
## ENSG00000153237.19	83	62	64	60	45
## ENSG00000234890.1	0	0	0	0	0

## ENSG00000243723.3	0	0	0	0	0
## ENSG00000144283.23	7804	8860	9333	9250	8498
## ENSG00000289488.1	0	1	2	0	1
## ENSG00000227331.1	2	2	4	8	1
## ENSG00000204380.4	3	16	17	10	6
## ENSG00000228586.1	0	3	0	0	0
## ENSG00000231675.1	0	0	0	0	1
## ENSG00000163331.12	101	13	108	9	58
## ENSG00000286621.1	1	0	0	0	0
## ENSG00000243792.1	0	0	0	0	0
## ENSG00000251491.2	0	0	0	0	0
## ENSG00000188668.4	0	0	0	1	0
## ENSG00000222300.1	0	0	0	0	0
## ENSG00000115183.15	3727	5366	4812	5665	3907
## ENSG00000213189.5	20	36	20	34	33
## ENSG00000202029.1	0	0	0	0	0
## ENSG00000226878.2	0	0	0	2	0
## ENSG00000275141.1	0	0	0	0	0
## ENSG00000196151.11	494	705	596	674	576
## ENSG00000123636.19	3098	4328	3793	4430	3008
## ENSG00000223642.7	2	0	1	0	0
## ENSG00000270893.1	1	0	0	1	0
## ENSG00000225369.1	0	0	0	0	0
## ENSG00000207117.1	0	1	0	0	0
## ENSG00000224152.3	78	74	90	84	98
## ENSG00000226266.8	23	20	16	26	13
## ENSG00000230783.1	1	0	0	1	2
## ENSG00000136536.15	7029	9872	8729	8649	7737
## ENSG00000241399.7	477	620	534	562	478
## ENSG00000248672.5	1	0	0	3	0
## ENSG00000287091.1	52	60	46	68	72
## ENSG00000054219.11	97	82	126	115	115
## ENSG00000227055.1	0	0	0	0	0
## ENSG00000153246.13	147	251	206	304	199
## ENSG00000115221.12	444	971	649	848	458
## ENSG00000285155.1	0	0	0	0	0
## ENSG00000285373.3	2	6	3	0	2
## ENSG00000153250.21	6030	8890	7199	8518	6948
## ENSG00000283734.1	0	0	0	0	0
## ENSG00000279844.1	0	0	0	0	0
## ENSG00000244372.3	0	0	0	0	0
## ENSG00000232337.1	0	0	0	0	0
## ENSG00000224467.1	0	0	0	0	0
## ENSG00000136560.14	1241	1862	1563	1873	1409
## ENSG00000235724.10	7	17	5	12	13
## ENSG00000227403.3	166	361	206	288	212
## ENSG00000225813.1	0	0	0	0	0
## ENSG00000115233.12	10066	12806	11255	12005	11931
## ENSG00000232320.6	39	29	29	27	58
## ENSG00000271924.1	0	6	4	1	1
## ENSG00000136535.15	0	3	0	1	2
## ENSG00000224076.5	0	0	0	0	0
## ENSG00000251621.1	0	0	0	0	0
## ENSG00000144290.17	3	2	8	1	2

## ENSG00000280105.1	0	0	0	0	0
## ENSG00000226121.2	59	68	60	91	64
## ENSG00000238570.1	0	0	0	0	0
## ENSG00000226946.1	0	0	0	0	0
## ENSG00000288091.1	0	0	0	0	0
## ENSG00000235716.1	0	0	0	0	0
## ENSG00000234732.1	0	0	0	0	0
## ENSG00000197635.11	9934	15486	14370	17243	11238
## ENSG00000230918.3	31	41	43	68	36
## ENSG00000231445.1	0	0	0	0	0
## ENSG00000224674.1	0	0	0	0	0
## ENSG00000233397.3	0	0	1	0	0
## ENSG00000115263.15	22456	2788	21147	2280	11488
## ENSG00000236841.8	0	0	3	0	1
## ENSG00000078098.15	2	13	14	16	6
## ENSG00000115267.10	356	599	519	529	333
## ENSG00000115271.11	3103	3780	4052	3807	3388
## ENSG00000184611.14	570	603	602	615	494
## ENSG00000212312.1	0	0	0	0	0
## ENSG00000237750.2	0	0	0	1	0
## ENSG00000230282.1	0	1	2	1	5
## ENSG00000200902.1	0	0	0	0	0
## ENSG00000182263.14	1024	1379	1389	1339	1075
## ENSG00000237844.2	3	11	7	12	3
## ENSG00000226847.1	0	0	0	0	0
## ENSG00000229641.1	0	0	0	0	0
## ENSG00000115290.11	1528	1647	1708	1683	1503
## ENSG00000277998.1	28	24	37	35	34
## ENSG00000082438.18	1577	1755	1900	1684	1438
## ENSG00000224331.2	0	2	1	0	1
## ENSG00000206869.1	0	1	0	1	0
## ENSG00000236283.5	73	40	65	40	57
## ENSG00000199508.1	0	0	0	0	0
## ENSG00000169507.10	39	44	57	40	41
## ENSG00000223318.1	0	0	0	0	0
## ENSG00000153253.20	101	99	133	125	70
## ENSG00000136531.19	40	104	70	107	83
## ENSG00000233204.1	0	0	0	0	0
## ENSG00000288089.1	0	0	0	0	0
## ENSG00000178662.16	273	348	333	313	272
## ENSG00000115339.14	2927	6056	3457	5380	3158
## ENSG00000235192.1	1	5	0	3	1
## ENSG00000229195.1	0	2	1	4	1
## ENSG00000232411.1	1	2	0	4	1
## ENSG00000123607.16	1766	2137	2003	2356	1726
## ENSG00000224490.5	0	0	0	0	1
## ENSG00000236107.10	1	1	0	2	0
## ENSG00000144285.23	3	0	0	0	0
## ENSG00000238813.1	0	0	0	0	0
## ENSG00000222376.1	0	0	0	0	0
## ENSG00000169432.19	591	769	673	713	694
## ENSG00000136546.17	484	669	765	869	409
## ENSG00000283657.1	0	1	0	0	0
## ENSG00000163092.22	19	27	21	25	20

## ENSG00000225182.1	0	0	0	0	0
## ENSG00000254552.1	0	0	0	0	0
## ENSG00000172318.6	4008	6523	4753	5894	4979
## ENSG00000228222.1	2	8	4	8	2
## ENSG00000238357.1	0	0	0	0	0
## ENSG00000214211.2	37	23	20	25	28
## ENSG00000235335.3	4	4	2	0	2
## ENSG00000198648.12	6652	13242	8430	12484	8196
## ENSG00000238259.1	0	0	0	0	0
## ENSG00000241074.3	0	0	0	0	1
## ENSG00000172292.15	4796	6605	5796	6356	4803
## ENSG00000265694.1	0	0	0	0	0
## ENSG00000199348.1	0	0	0	0	0
## ENSG00000227617.9	3	5	1	3	0
## ENSG00000163072.16	396	645	492	605	380
## ENSG00000152253.9	792	900	991	916	981
## ENSG00000152254.11	25	5	21	5	6
## ENSG00000073734.10	0	0	0	0	0
## ENSG00000073737.17	1	0	1	2	3
## ENSG00000235321.1	0	0	0	0	0
## ENSG00000235995.1	0	0	0	0	0
## ENSG00000081479.15	6948	13850	8756	12993	7311
## ENSG00000163093.12	198	190	225	220	228
## ENSG00000251569.1	0	0	0	0	0
## ENSG00000239474.7	10	10	13	14	7
## ENSG00000138399.18	1778	2290	2033	2142	1727
## ENSG00000229827.1	0	0	0	0	0
## ENSG00000138398.17	7883	9961	9714	9686	7912
## ENSG00000154479.13	102	96	100	109	110
## ENSG00000226072.1	1	0	0	1	0
## ENSG00000144362.12	185	237	179	173	172
## ENSG00000213160.10	5577	6961	6400	6487	5921
## ENSG00000206961.1	0	0	0	0	0
## ENSG00000231550.1	2	2	6	2	1
## ENSG00000214369.2	0	2	1	1	1
## ENSG00000138385.16	16414	19707	18807	19405	18301
## ENSG00000138382.15	2575	3016	2738	2950	3074
## ENSG00000144357.18	3749	5117	4406	4812	3723
## ENSG00000227176.1	2	2	4	6	3
## ENSG00000252807.1	0	0	0	0	0
## ENSG00000071909.19	5	7	8	13	6
## ENSG00000231898.9	0	0	0	0	0
## ENSG00000214821.4	0	4	3	2	2
## ENSG00000213981.8	1	0	1	0	2
## ENSG00000275414.1	0	0	0	0	0
## ENSG00000234350.7	1	5	7	12	4
## ENSG00000222033.1	8	3	1	4	0
## ENSG00000204335.4	7	3	16	3	14
## ENSG00000128692.8	86	87	95	94	119
## ENSG00000204334.8	94	121	133	120	136
## ENSG00000222509.1	0	0	0	0	0
## ENSG00000128683.14	9	12	19	11	19
## ENSG00000235934.2	2	1	4	3	2
## ENSG00000286611.1	0	0	0	0	0

## ENSG00000286115.1	1	0	1	2	0
## ENSG00000115806.13	8560	10211	9786	10579	10424
## ENSG00000198586.14	3596	4496	4461	4298	3738
## ENSG00000123600.21	1790	2426	2070	2413	1939
## ENSG00000224553.1	0	3	1	0	0
## ENSG00000115827.14	1837	2589	2273	2430	1935
## ENSG00000228507.1	10	11	18	15	20
## ENSG00000234061.1	5	4	3	6	2
## ENSG00000233762.3	235	281	270	350	462
## ENSG00000071967.12	45	94	73	116	97
## ENSG00000233934.2	0	0	0	0	0
## ENSG00000077380.16	13708	15781	14956	15431	14786
## ENSG00000115840.14	78	57	102	69	56
## ENSG00000252779.1	0	0	0	0	0
## ENSG00000128708.13	4042	4336	4336	4314	4207
## ENSG00000172878.14	307	383	316	400	381
## ENSG00000288958.1	0	0	1	0	1
## ENSG00000144355.15	0	0	1	0	2
## ENSG00000289413.1	0	0	0	0	0
## ENSG00000115844.11	0	5	1	0	2
## ENSG00000236651.1	0	0	0	0	0
## ENSG00000232555.2	1	0	0	1	0
## ENSG00000288048.1	1	0	0	0	0
## ENSG00000286557.1	0	0	0	0	0
## ENSG00000278924.1	2	0	0	1	1
## ENSG00000091409.16	7669	10932	9423	10046	7605
## ENSG00000226963.1	0	1	1	0	3
## ENSG00000232788.1	3	3	4	2	4
## ENSG00000225205.5	27	26	38	26	24
## ENSG00000152256.14	1501	1479	1803	1703	1818
## ENSG00000199866.1	0	0	0	0	0
## ENSG00000230104.1	0	0	1	0	0
## ENSG00000228016.1	0	0	2	0	0
## ENSG00000239041.1	0	0	0	0	0
## ENSG00000091428.18	194	186	226	208	193
## ENSG00000232292.1	0	0	0	0	0
## ENSG00000091436.17	2876	3799	3593	3742	2971
## ENSG00000238133.6	6	4	10	9	9
## ENSG00000231735.1	0	0	0	0	0
## ENSG00000236391.4	1	1	0	0	0
## ENSG00000293276.1	1	0	0	2	0
## ENSG00000144354.15	3828	3562	4332	3408	3860
## ENSG00000213148.3	0	0	0	0	0
## ENSG00000236832.1	0	0	0	0	0
## ENSG00000226131.1	3	2	0	4	6
## ENSG00000237016.1	0	0	0	0	0
## ENSG00000237617.1	0	0	0	2	0
## ENSG00000270460.1	0	3	0	3	0
## ENSG00000234415.1	0	0	0	0	0
## ENSG00000172845.18	7146	9901	9246	9525	7927
## ENSG00000289296.2	7	23	9	12	10
## ENSG00000271151.1	2	8	5	5	7
## ENSG00000273258.1	0	0	0	0	0
## ENSG00000260868.1	0	1	1	1	0

## ENSG00000235414.3	0	0	0	0	0
## ENSG00000138430.16	15469	19707	16764	17347	18115
## ENSG00000270799.1	0	0	0	0	0
## ENSG00000243770.3	0	0	0	0	0
## ENSG00000201088.1	0	0	0	0	0
## ENSG00000227180.1	0	0	0	0	0
## ENSG00000237804.1	14	10	20	18	27
## ENSG00000231453.1	0	0	0	1	0
## ENSG00000280414.1	0	0	0	0	0
## ENSG00000217236.2	1	1	0	0	0
## ENSG00000138433.16	2568	3153	2913	2867	2897
## ENSG00000144306.15	912	1160	1042	1052	932
## ENSG00000163328.14	79	76	133	124	86
## ENSG00000226853.5	20	37	27	27	52
## ENSG00000179997.8	0	0	0	2	3
## ENSG00000279884.1	0	0	0	0	0
## ENSG00000236449.2	0	0	1	0	0
## ENSG00000206965.1	2	1	3	5	5
## ENSG00000115935.19	2268	2938	3011	3107	2469
## ENSG00000237798.1	0	0	0	0	0
## ENSG00000290018.1	1306	1697	1669	1324	1642
## ENSG00000235655.3	1316	1701	1706	1587	1886
## ENSG00000138435.16	143	62	151	52	112
## ENSG00000128656.15	2842	2961	3276	3082	3086
## ENSG00000212167.1	0	1	0	0	0
## ENSG00000199827.1	0	0	0	0	0
## ENSG00000227187.1	1	0	0	0	0
## ENSG00000115966.18	3902	5035	4924	4950	4087
## ENSG00000277948.1	1	1	2	0	1
## ENSG00000215973.1	0	0	0	1	0
## ENSG00000229750.1	1	0	0	0	1
## ENSG00000154518.10	16931	21811	19441	22717	23733
## ENSG00000200121.2	0	0	0	0	0
## ENSG00000233131.1	0	4	6	0	1
## ENSG00000229066.2	0	0	0	0	0
## ENSG00000289349.1	10	11	8	11	9
## ENSG00000223976.1	0	0	0	0	0
## ENSG00000235047.1	0	0	0	0	0
## ENSG00000229779.1	0	0	0	0	0
## ENSG00000144320.14	1931	2740	2497	2763	2114
## ENSG00000174279.5	0	1	0	4	6
## ENSG00000128714.6	2	14	6	28	36
## ENSG00000170178.7	0	1	0	5	8
## ENSG00000128713.14	1	0	0	0	5
## ENSG00000128710.6	0	2	0	0	3
## ENSG00000237380.7	0	0	0	2	0
## ENSG00000128709.13	5	3	5	4	6
## ENSG00000175879.9	2	1	1	2	4
## ENSG00000128652.12	0	0	0	0	0
## ENSG00000207744.1	0	0	0	0	0
## ENSG00000170166.6	0	0	0	0	0
## ENSG00000224189.8	36	57	26	27	55
## ENSG00000272729.1	0	0	0	0	0
## ENSG00000226363.4	2	2	4	1	2

## ENSG00000128645.15	0	2	1	0	0
## ENSG00000283880.1	0	0	0	0	0
## ENSG00000279160.1	0	0	0	0	0
## ENSG00000218175.2	142	209	183	171	265
## ENSG00000230384.1	0	0	0	0	0
## ENSG00000128654.14	2302	3102	2753	3101	2876
## ENSG00000237260.1	2	2	3	8	0
## ENSG00000224577.4	7	1	1	1	0
## ENSG00000229434.1	0	0	0	0	0
## ENSG00000236231.1	0	0	0	0	0
## ENSG00000283203.1	0	0	0	0	0
## ENSG00000163364.12	0	2	2	5	5
## ENSG00000252027.1	0	0	0	0	0
## ENSG00000230552.6	0	0	0	1	1
## ENSG00000237053.1	0	0	0	0	1
## ENSG00000223777.1	0	0	0	0	0
## ENSG00000279205.1	0	0	0	0	0
## ENSG00000227098.2	0	0	0	0	0
## ENSG00000206866.1	0	0	0	0	0
## ENSG00000236501.6	0	1	0	4	0
## ENSG00000229337.2	17	26	28	20	29
## ENSG00000251746.1	0	0	0	0	0
## ENSG00000226273.2	0	0	0	0	0
## ENSG00000201102.1	0	0	0	0	0
## ENSG00000213069.3	1	0	1	0	1
## ENSG00000170144.22	24454	30489	30338	29618	28484
## ENSG00000284252.1	0	0	0	0	0
## ENSG00000116044.17	16109	16695	18148	15867	17292
## ENSG00000225808.1	24	16	33	26	18
## ENSG00000265396.1	0	0	0	0	1
## ENSG00000222043.2	11	3	16	8	14
## ENSG00000213963.7	356	433	489	342	391
## ENSG00000271825.1	2	0	0	0	0
## ENSG00000271996.1	3	1	1	0	0
## ENSG00000278418.1	1	0	1	1	0
## ENSG00000237178.2	0	0	0	0	1
## ENSG00000238295.1	0	0	0	0	0
## ENSG00000018510.18	10074	11561	11780	10578	9680
## ENSG00000196659.10	952	1173	1039	999	980
## ENSG00000237655.1	0	0	0	0	0
## ENSG00000197557.7	1105	1293	1203	1095	1224
## ENSG00000128655.19	1136	414	1233	397	672
## ENSG00000229941.6	8	2	5	4	6
## ENSG00000236664.1	0	0	0	0	0
## ENSG00000213962.2	2	2	3	3	1
## ENSG00000229744.1	0	0	0	0	0
## ENSG00000206788.1	0	0	0	0	0
## ENSG00000249909.1	0	0	0	0	0
## ENSG00000227241.1	0	0	0	0	0
## ENSG00000155636.16	898	1107	993	1089	1010
## ENSG00000223096.1	0	0	0	0	0
## ENSG00000079156.17	639	437	765	412	603
## ENSG00000223960.9	652	712	837	713	555
## ENSG00000180228.14	3309	3748	3752	3719	3566

## ENSG00000204311.15	68	97	102	103	93
## ENSG00000238082.1	8	7	5	10	9
## ENSG00000079150.19	2094	2588	2327	2522	2633
## ENSG00000116095.11	1109	1506	1398	1344	1372
## ENSG00000237298.11	142	161	154	191	133
## ENSG00000155657.29	4497	2884	5161	3037	3446
## ENSG00000270956.1	6	20	13	15	9
## ENSG00000270277.1	22	17	10	24	6
## ENSG00000279598.1	1	3	1	0	0
## ENSG00000271011.1	0	0	0	0	0
## ENSG00000270574.1	8	10	5	11	6
## ENSG00000271141.1	0	0	0	0	2
## ENSG00000271401.1	0	4	1	3	1
## ENSG00000267784.1	1	0	0	0	3
## ENSG00000287149.1	2	0	3	0	3
## ENSG00000163492.16	2285	1110	2415	1135	1606
## ENSG00000238542.1	0	0	0	0	0
## ENSG00000231541.1	0	0	0	0	0
## ENSG00000187231.14	7092	7937	8687	7585	7101
## ENSG00000237477.1	0	0	0	0	0
## ENSG00000237964.3	0	0	0	0	0
## ENSG00000144331.20	486	310	599	298	344
## ENSG00000213126.2	0	0	0	0	0
## ENSG00000221240.1	0	0	0	0	0
## ENSG00000280636.1	0	0	0	0	0
## ENSG00000202216.2	0	0	0	0	0
## ENSG00000163510.14	3109	4292	3693	4070	3218
## ENSG00000270289.1	0	0	0	0	0
## ENSG00000225258.1	0	0	0	0	0
## ENSG00000281131.1	0	1	0	1	0
## ENSG00000279559.1	0	0	0	0	0
## ENSG00000226564.1	65	67	86	86	132
## ENSG00000236667.1	0	0	0	0	0
## ENSG00000170035.16	6108	7777	7139	7677	7983
## ENSG00000236153.1	0	1	0	1	0
## ENSG00000238171.1	0	2	0	0	0
## ENSG00000234663.7	3	8	9	8	16
## ENSG00000266705.1	0	0	0	0	0
## ENSG00000289389.1	0	0	0	0	0
## ENSG00000226681.1	0	0	0	0	0
## ENSG00000115232.14	301	230	313	260	250
## ENSG00000188452.15	145	105	165	78	108
## ENSG00000162992.5	1908	1173	2351	1030	1609
## ENSG00000234595.1	4	1	4	1	2
## ENSG00000225570.1	0	0	0	0	0
## ENSG00000223873.1	0	0	0	1	0
## ENSG00000221023.1	0	0	0	0	0
## ENSG00000260742.1	4	15	7	9	6
## ENSG00000138434.17	3655	5330	4627	5468	3907
## ENSG00000150722.11	170	162	196	180	168
## ENSG00000213958.2	15	16	13	24	24
## ENSG00000222418.1	0	0	0	0	0
## ENSG00000115252.19	59	44	63	58	53
## ENSG00000287536.1	0	0	0	0	0

## ENSG00000242121.3	0	0	0	0	0
## ENSG00000077232.19	18853	24327	21478	21900	18242
## ENSG00000232430.1	0	0	0	0	0
## ENSG00000212404.1	0	0	0	0	0
## ENSG00000162998.5	5571	1726	5199	1966	4422
## ENSG00000207178.1	0	0	0	0	0
## ENSG00000061676.16	17511	22865	21466	21786	18727
## ENSG00000202141.1	0	0	0	0	0
## ENSG00000221498.1	0	0	0	0	0
## ENSG00000231203.1	85	88	84	112	156
## ENSG00000162999.13	120	149	173	142	121
## ENSG00000224643.5	0	0	0	0	0
## ENSG00000163002.13	1219	1374	1263	1352	1270
## ENSG00000272800.3	23	26	26	17	14
## ENSG00000287621.1	0	0	0	1	0
## ENSG00000213120.3	3	7	2	1	3
## ENSG00000177855.8	55	49	56	50	64
## ENSG00000286879.1	0	0	0	0	0
## ENSG00000234172.1	0	0	0	0	0
## ENSG00000286807.1	0	0	0	0	0
## ENSG00000286152.1	0	0	0	0	0
## ENSG00000286980.1	0	0	0	0	0
## ENSG00000266808.1	0	0	0	0	0
## ENSG00000283839.3	0	0	0	0	0
## ENSG00000170396.9	7	16	15	16	10
## ENSG00000237824.2	0	0	0	0	0
## ENSG00000286797.1	110	149	151	146	118
## ENSG00000225406.1	5	0	0	0	2
## ENSG00000231646.6	0	4	1	5	2
## ENSG00000212581.1	0	0	0	1	0
## ENSG00000226747.6	16	14	12	10	13
## ENSG00000188738.16	178	268	244	274	155
## ENSG00000287129.1	2	1	0	1	0
## ENSG00000224019.1	0	1	0	1	0
## ENSG00000237877.8	38	41	38	61	35
## ENSG00000226410.1	0	0	0	2	1
## ENSG00000232568.2	0	0	1	0	0
## ENSG00000259915.2	3	1	2	0	2
## ENSG00000227692.1	5	4	7	4	4
## ENSG00000065548.18	8165	9486	9337	9735	8535
## ENSG00000224323.2	0	0	0	3	0
## ENSG00000138448.13	15305	21808	17932	17983	14782
## ENSG00000227227.1	2	0	1	2	0
## ENSG00000144369.14	753	1020	873	941	860
## ENSG00000163012.4	0	0	2	0	0
## ENSG00000226553.1	2	0	0	1	1
## ENSG00000224063.6	14	51	9	59	44
## ENSG00000222845.1	0	0	0	0	0
## ENSG00000199626.1	0	0	0	0	0
## ENSG00000064989.13	77	97	86	99	111
## ENSG00000231739.2	0	0	0	0	0
## ENSG00000003436.16	1340	2213	1973	2351	1452
## ENSG00000231689.3	1	1	2	0	0
## ENSG00000235616.1	0	0	0	1	1

## ENSG00000289205.2	0	0	0	0	0
## ENSG00000213115.2	0	0	0	0	0
## ENSG00000200650.1	0	0	0	0	0
## ENSG00000144366.17	2803	4161	3706	3501	2934
## ENSG00000207951.1	0	0	0	0	0
## ENSG00000223523.1	0	0	0	0	0
## ENSG00000174325.6	0	0	0	0	0
## ENSG00000168542.17	1796	19840	10125	35018	14138
## ENSG00000221502.1	0	0	0	0	0
## ENSG00000283238.1	0	0	0	0	0
## ENSG00000284180.1	0	0	0	0	0
## ENSG00000204262.14	3358	5893	4789	6497	4713
## ENSG00000228073.1	0	0	0	1	0
## ENSG00000264725.1	0	0	0	0	0
## ENSG00000213601.3	0	0	0	0	0
## ENSG00000288866.1	4	2	1	6	1
## ENSG00000115368.10	5246	6116	6088	6340	5998
## ENSG00000233996.1	0	2	0	1	0
## ENSG00000287418.1	0	0	0	0	0
## ENSG00000138449.11	2419	1934	2995	2353	2716
## ENSG00000276828.1	0	0	0	0	0
## ENSG00000138381.10	2330	2815	2620	2637	2563
## ENSG00000286053.2	0	0	0	0	1
## ENSG00000286165.1	0	0	0	0	0
## ENSG00000151687.15	55	81	73	88	59
## ENSG00000128694.12	610	855	679	829	631
## ENSG00000253559.1	17	16	19	16	13
## ENSG00000273240.1	5	6	6	5	5
## ENSG00000128699.14	2447	3273	2668	3011	2726
## ENSG00000064933.19	3113	3869	3732	3735	3371
## ENSG00000187699.10	177	183	196	174	171
## ENSG00000223824.1	0	0	1	1	1
## ENSG00000204253.4	179	263	231	223	275
## ENSG00000213110.2	0	1	1	0	1
## ENSG00000138379.5	1	4	4	1	2
## ENSG00000198130.16	3225	3990	3839	3836	3515
## ENSG00000151689.13	1967	2803	2134	2709	2296
## ENSG00000151690.15	2411	3423	2916	3131	2944
## ENSG00000272979.1	10	12	4	13	16
## ENSG00000290089.1	3	3	3	4	3
## ENSG00000189362.12	668	1040	849	959	782
## ENSG00000233654.2	78	83	91	68	78
## ENSG00000251935.1	0	0	0	0	0
## ENSG00000284052.1	35	42	41	55	45
## ENSG00000138386.17	4364	6194	5041	5029	5022
## ENSG00000228509.7	3	9	5	7	9
## ENSG00000235852.1	7	8	16	14	11
## ENSG00000115419.14	8900	14076	12028	13581	8737
## ENSG00000115415.21	11267	12099	12979	11670	11729
## ENSG00000229023.1	1	1	1	0	4
## ENSG00000230686.1	0	0	0	0	0
## ENSG00000231858.5	3	2	0	0	0
## ENSG00000138378.19	164	67	125	68	118
## ENSG00000288064.1	0	0	0	0	0

## ENSG00000207402.1	0	0	0	0	0
## ENSG00000280083.1	3	5	2	4	4
## ENSG00000230611.1	3	2	7	2	6
## ENSG00000227542.1	33	64	62	63	57
## ENSG00000128641.19	21888	29591	26178	28525	22449
## ENSG00000252130.1	0	0	0	0	0
## ENSG00000288900.1	0	0	2	0	1
## ENSG00000173559.15	994	1802	1292	1604	1031
## ENSG00000274845.1	0	0	0	0	0
## ENSG00000288582.2	0	0	0	0	0
## ENSG00000225884.3	0	0	0	0	0
## ENSG00000168497.5	34	72	43	73	80
## ENSG00000233766.8	0	0	2	0	1
## ENSG00000213946.3	3	4	3	4	6
## ENSG00000144339.12	143	93	150	122	152
## ENSG00000229395.1	0	0	0	0	0
## ENSG00000232227.5	0	0	0	0	0
## ENSG00000227418.6	0	0	0	0	0
## ENSG00000226242.1	0	0	0	0	0
## ENSG00000278406.1	0	0	0	0	0
## ENSG00000286358.1	92	159	88	156	84
## ENSG00000232658.1	0	0	0	0	0
## ENSG00000235218.2	0	0	0	0	0
## ENSG00000224219.1	0	0	0	0	0
## ENSG00000286868.1	146	154	142	166	148
## ENSG00000260142.1	7	4	10	5	5
## ENSG00000224670.1	0	0	0	0	0
## ENSG00000215043.2	0	0	0	0	0
## ENSG00000236695.1	0	0	0	0	0
## ENSG00000225539.9	0	0	0	0	1
## ENSG00000225394.1	0	0	0	0	0
## ENSG00000286539.1	0	0	0	0	0
## ENSG00000276123.1	0	0	0	0	0
## ENSG00000252517.1	0	0	0	0	0
## ENSG00000230173.1	0	0	0	0	0
## ENSG00000235056.1	0	0	0	0	0
## ENSG00000224099.2	0	1	0	0	0
## ENSG00000271893.1	0	0	0	0	0
## ENSG00000202206.1	0	0	0	0	0
## ENSG00000223466.2	0	0	0	0	0
## ENSG00000234919.1	0	0	0	0	0
## ENSG00000196950.14	11044	15025	13829	14744	12145
## ENSG00000213107.2	0	0	0	0	0
## ENSG00000201813.1	0	0	0	1	0
## ENSG00000118997.14	124	130	95	138	85
## ENSG00000203435.2	0	1	5	6	1
## ENSG00000227878.2	0	0	0	0	0
## ENSG00000081320.11	1246	1867	1345	1643	1326
## ENSG00000272211.1	1	1	4	2	0
## ENSG00000138411.13	761	623	993	513	698
## ENSG00000229056.2	7	16	13	31	21
## ENSG00000276200.1	0	0	0	0	0
## ENSG00000282836.1	0	3	1	0	0
## ENSG00000144395.18	324	406	386	429	313

## ENSG00000252923.1	0	0	0	0	0
## ENSG00000119041.11	5457	6372	6428	6429	5674
## ENSG00000187944.5	1	6	3	2	0
## ENSG00000280176.1	0	1	0	0	0
## ENSG00000197121.15	3043	4457	3872	4106	3233
## ENSG00000065413.20	73	49	72	71	61
## ENSG00000225636.1	1	0	0	0	0
## ENSG00000224442.1	0	0	0	0	0
## ENSG00000231621.3	2	0	0	0	0
## ENSG00000236977.1	0	0	0	0	0
## ENSG00000230482.1	0	0	0	0	0
## ENSG00000225979.1	0	0	0	0	0
## ENSG00000213104.3	36	24	33	50	44
## ENSG00000115524.17	28719	35158	34231	37248	30200
## ENSG00000202434.1	0	0	0	0	0
## ENSG00000206836.1	0	0	0	0	1
## ENSG00000115520.9	1164	1637	1413	1548	1364
## ENSG00000144381.18	94976	111698	107526	104848	105613
## ENSG00000115541.11	7742	8762	8559	9257	9127
## ENSG00000270757.1	26	31	28	28	15
## ENSG00000115540.15	2391	3260	2836	2633	2641
## ENSG00000231699.1	1	0	0	3	0
## ENSG00000162944.11	40	50	62	33	82
## ENSG00000287858.1	1	0	1	1	3
## ENSG00000222017.1	0	0	1	1	0
## ENSG00000247626.5	1270	1489	1443	1545	1535
## ENSG00000152430.19	1	0	4	0	0
## ENSG00000115896.17	2071	618	2313	609	1509
## ENSG00000286020.1	0	0	0	0	0
## ENSG00000237035.1	0	0	0	0	0
## ENSG00000236653.3	0	0	0	0	0
## ENSG00000225421.2	0	0	0	0	0
## ENSG00000231557.1	0	0	0	0	0
## ENSG00000230407.1	0	0	0	0	0
## ENSG00000238698.1	0	0	0	0	0
## ENSG00000119042.18	313	343	369	359	353
## ENSG00000257045.1	0	0	0	0	0
## ENSG00000225953.5	10	16	16	28	22
## ENSG00000238217.7	0	0	0	0	1
## ENSG00000213938.3	4	4	5	2	6
## ENSG00000226124.10	22	31	27	34	24
## ENSG00000232732.11	7	5	3	4	3
## ENSG00000227004.2	0	0	0	0	0
## ENSG00000240302.3	0	0	0	0	0
## ENSG00000178074.6	1844	2493	2149	2006	1999
## ENSG00000162971.11	875	1139	1054	1083	966
## ENSG00000162972.11	1353	1578	1473	1564	1536
## ENSG00000287027.1	0	0	2	1	2
## ENSG00000196141.14	9400	12713	10901	11972	10749
## ENSG00000201649.1	0	0	0	0	0
## ENSG00000287299.1	28	54	45	50	40
## ENSG00000155729.13	537	722	600	747	601
## ENSG00000163535.18	2632	2839	2921	2773	2667
## ENSG00000138356.14	677	642	827	751	668

## ENSG00000244301.8	0	2	0	1	0
## ENSG00000284084.1	0	0	0	0	0
## ENSG00000290905.1	0	0	0	0	0
## ENSG00000237166.4	0	0	2	0	1
## ENSG00000243478.10	0	0	0	0	0
## ENSG00000291279.1	0	0	0	0	0
## ENSG00000290906.1	0	0	0	0	0
## ENSG00000201737.1	0	0	0	0	0
## ENSG00000230408.3	1	0	3	0	2
## ENSG00000082153.18	22499	27611	25617	26749	24759
## ENSG00000207116.1	0	0	0	0	0
## ENSG00000224346.1	0	0	0	0	1
## ENSG00000223092.1	0	0	1	0	0
## ENSG00000013441.17	1135	1542	1452	1784	1206
## ENSG00000252759.1	0	0	0	2	1
## ENSG00000240344.10	748	998	877	1000	768
## ENSG00000201499.1	0	0	0	0	0
## ENSG00000196290.17	2091	2453	2448	2617	2505
## ENSG00000252916.1	2	3	2	3	3
## ENSG00000115942.9	3841	5278	4596	5176	4560
## ENSG00000183308.6	1	1	10	3	8
## ENSG00000155744.10	803	1254	1120	1083	765
## ENSG00000225695.1	30	45	38	46	58
## ENSG00000226658.1	0	0	0	0	0
## ENSG00000119013.10	1858	2511	2428	2472	2450
## ENSG00000252148.1	0	1	0	0	0
## ENSG00000273975.1	0	0	0	0	0
## ENSG00000232719.1	0	0	0	0	2
## ENSG00000224672.4	0	0	0	0	0
## ENSG00000003402.21	2654	4065	3355	3974	2702
## ENSG00000232133.1	0	1	0	1	3
## ENSG00000226312.7	4	6	4	8	3
## ENSG00000238829.1	0	1	2	0	0
## ENSG00000235579.1	0	0	1	1	0
## ENSG00000234431.2	0	0	0	0	0
## ENSG00000003400.16	797	1306	1014	1185	861
## ENSG00000227348.1	0	0	0	0	0
## ENSG00000225796.2	0	0	0	3	0
## ENSG00000235318.3	0	0	0	0	0
## ENSG00000064012.24	833	1595	1079	1518	1077
## ENSG00000289698.1	4	1	4	8	3
## ENSG00000155749.13	5	6	8	7	5
## ENSG00000115993.13	2566	2887	3023	2860	2594
## ENSG00000082146.13	5348	6351	5862	5890	6138
## ENSG00000213090.2	7	5	3	7	7
## ENSG00000202008.1	0	0	0	0	0
## ENSG00000155754.15	5	4	4	9	11
## ENSG00000234842.1	0	0	0	0	0
## ENSG00000224299.1	0	0	0	0	0
## ENSG00000227736.1	0	0	0	0	0
## ENSG00000224590.1	0	0	0	0	0
## ENSG00000234731.2	0	0	0	0	0
## ENSG00000249177.1	0	0	0	0	0
## ENSG00000227841.1	0	0	0	0	0

## ENSG00000155755.20	4654	5811	5101	5581	5531
## ENSG00000241790.2	0	0	0	0	0
## ENSG00000287133.1	1	4	3	2	1
## ENSG00000082126.18	0	0	0	1	1
## ENSG00000222972.1	0	0	0	0	0
## ENSG00000003393.16	4376	5439	5259	5847	4461
## ENSG00000230799.1	0	1	3	5	1
## ENSG00000138395.17	2	9	2	6	4
## ENSG00000202137.1	0	0	0	0	0
## ENSG00000231124.1	4	1	0	0	4
## ENSG00000212184.1	0	0	0	0	0
## ENSG00000289026.1	14	25	15	23	8
## ENSG00000273209.1	17	41	27	47	49
## ENSG00000155760.3	13126	21563	15452	20623	17949
## ENSG00000182329.14	28	15	22	18	11
## ENSG00000222035.4	0	3	0	2	2
## ENSG00000287041.1	0	1	1	2	2
## ENSG00000231903.1	0	3	5	3	1
## ENSG00000227890.1	1	0	0	0	1
## ENSG00000223825.5	7	11	8	11	7
## ENSG00000116030.17	12200	14273	13689	13159	14431
## ENSG00000224463.1	0	3	0	0	3
## ENSG00000055044.11	5362	6628	6326	6464	5714
## ENSG00000212534.1	0	0	0	0	0
## ENSG00000212309.1	0	0	0	0	0
## ENSG00000271852.1	0	1	0	0	0
## ENSG00000238317.2	5	4	2	4	3
## ENSG00000286223.1	5	7	10	10	7
## ENSG00000264275.1	0	0	0	0	0
## ENSG00000226261.1	2	1	0	1	0
## ENSG00000272966.1	0	0	0	0	0
## ENSG00000242696.3	0	0	0	0	0
## ENSG00000273456.2	45	59	38	44	45
## ENSG00000204217.16	3237	4409	4021	4132	3361
## ENSG00000289490.1	0	0	0	0	0
## ENSG00000270915.1	1	1	0	0	0
## ENSG00000236047.1	2	0	3	5	1
## ENSG00000223619.1	0	0	0	0	0
## ENSG00000233888.2	0	0	0	0	0
## ENSG00000235433.1	0	0	0	0	0
## ENSG00000237542.1	0	0	0	0	0
## ENSG00000233134.1	0	0	0	0	0
## ENSG00000241221.2	0	0	0	0	0
## ENSG00000227454.2	0	0	0	0	0
## ENSG00000233311.1	0	0	0	0	0
## ENSG00000138439.12	3617	4418	4528	4298	3838
## ENSG00000163596.17	546	697	632	688	614
## ENSG00000240761.2	0	0	0	0	0
## ENSG00000233579.1	1	2	2	0	0
## ENSG00000138442.11	5060	6235	6014	6422	5722
## ENSG00000138380.18	346	493	379	457	294
## ENSG00000232479.2	6	17	5	8	11
## ENSG00000270664.1	0	0	0	0	0
## ENSG00000144426.19	1316	2225	1847	2035	1181

## ENSG00000232994.1	0	0	0	1	0
## ENSG00000202059.1	0	0	1	0	0
## ENSG00000228513.1	2	0	0	0	1
## ENSG00000225124.1	0	0	0	0	0
## ENSG00000204196.5	0	0	0	0	0
## ENSG00000289294.2	127	149	142	138	157
## ENSG00000119004.17	1216	1583	1292	1528	1190
## ENSG00000264041.2	0	0	0	0	0
## ENSG00000238285.1	1	0	1	0	1
## ENSG00000138443.17	6616	7139	7971	7062	7174
## ENSG00000256458.1	0	0	2	0	0
## ENSG00000173166.18	397	496	447	507	316
## ENSG00000233459.1	0	6	2	1	3
## ENSG00000233031.1	0	0	0	0	0
## ENSG00000178562.18	2	4	3	0	2
## ENSG00000224791.1	15	17	17	23	31
## ENSG00000213925.3	1	2	0	0	1
## ENSG00000206970.1	0	0	0	0	0
## ENSG00000163599.18	0	0	0	0	0
## ENSG00000163600.13	0	0	0	0	0
## ENSG00000235951.1	0	0	0	0	0
## ENSG00000234714.1	2	0	2	3	0
## ENSG00000237271.2	0	0	0	0	0
## ENSG00000236681.1	0	1	2	0	1
## ENSG00000225304.1	0	0	0	0	0
## ENSG00000236634.1	0	0	0	0	0
## ENSG00000237843.2	8	18	11	10	8
## ENSG00000116117.20	2757	3308	3261	3483	2909
## ENSG00000287524.1	0	0	0	0	0
## ENSG00000223890.1	0	0	0	3	2
## ENSG00000118257.17	19355	21761	22230	24356	22159
## ENSG00000225216.6	4	10	8	13	8
## ENSG00000201875.1	0	0	0	0	0
## ENSG00000213739.3	0	0	0	0	0
## ENSG00000225610.1	0	0	0	1	0
## ENSG00000114933.16	869	1257	1268	1393	790
## ENSG00000252485.1	0	0	0	1	0
## ENSG00000207386.1	0	0	0	0	0
## ENSG00000237041.1	0	0	0	0	0
## ENSG00000227946.3	27	55	56	52	52
## ENSG0000023228.15	8412	11019	9919	10858	9497
## ENSG00000231955.1	0	0	0	0	0
## ENSG00000237580.1	0	0	0	0	0
## ENSG00000114942.15	51395	66045	54915	63024	71921
## ENSG00000277502.1	0	0	0	0	0
## ENSG00000281780.1	0	0	2	0	0
## ENSG00000207047.2	0	1	2	0	1
## ENSG00000207406.1	0	0	0	0	0
## ENSG00000183671.13	5	2	5	5	6
## ENSG00000279220.4	0	0	0	0	0
## ENSG00000222496.1	0	0	0	0	0
## ENSG00000159186.4	0	0	0	0	0
## ENSG00000224070.1	0	0	0	0	0
## ENSG00000252716.1	0	0	0	0	0

## ENSG00000204186.11	1246	1735	1705	1847	1050
## ENSG00000180105.11	0	0	0	0	0
## ENSG00000234491.1	3	5	11	10	1
## ENSG00000114948.13	1423	1806	1713	1795	1868
## ENSG00000228577.1	2	5	2	9	2
## ENSG00000231653.1	0	0	0	0	0
## ENSG00000235118.9	0	0	1	0	0
## ENSG00000232125.5	0	0	0	0	0
## ENSG00000213083.3	0	0	0	0	0
## ENSG00000207319.1	0	0	0	0	0
## ENSG00000138400.13	230	210	250	165	231
## ENSG00000118246.14	4751	5529	5316	5533	4947
## ENSG00000283469.1	0	0	0	0	0
## ENSG00000263468.1	0	0	0	0	0
## ENSG00000229321.2	10	24	27	24	24
## ENSG00000260171.1	0	0	0	0	0
## ENSG00000144410.5	6	4	4	8	1
## ENSG00000118263.16	1008	1025	1197	1136	961
## ENSG00000253008.2	0	0	0	0	0
## ENSG00000237892.1	3	4	3	6	6
## ENSG00000229647.3	5	1	2	3	2
## ENSG00000277590.1	0	0	0	0	0
## ENSG00000224342.1	0	0	0	0	0
## ENSG00000234902.6	0	5	3	4	3
## ENSG00000286568.1	0	0	0	0	0
## ENSG00000225916.1	0	0	0	0	0
## ENSG00000240440.1	0	0	1	0	2
## ENSG00000223725.6	2	4	4	4	4
## ENSG00000225064.1	0	0	0	0	0
## ENSG00000221628.1	0	0	0	0	0
## ENSG00000118260.15	4471	5986	5477	5269	4628
## ENSG00000144401.14	2103	2640	2396	2338	2393
## ENSG00000223433.1	0	0	0	0	0
## ENSG00000224137.2	1	0	0	0	0
## ENSG00000199251.1	0	0	0	0	0
## ENSG00000213082.3	15	13	9	10	23
## ENSG00000200764.1	0	0	0	0	0
## ENSG00000163249.13	4075	5078	4579	4664	4985
## ENSG00000272851.1	0	0	0	0	0
## ENSG00000284079.1	0	0	0	0	0
## ENSG00000163251.4	68525	94271	80573	85585	81746
## ENSG00000178385.15	7024	10810	8169	10179	7712
## ENSG00000225111.3	12	18	13	17	3
## ENSG00000212246.1	0	0	0	0	0
## ENSG00000185078.3	1	6	7	6	6
## ENSG00000251941.1	0	0	0	0	0
## ENSG00000224839.1	6	3	3	5	6
## ENSG00000289422.2	0	0	1	0	1
## ENSG00000290929.1	0	0	0	0	0
## ENSG00000229150.3	0	0	0	0	0
## ENSG00000118231.5	5	8	9	6	8
## ENSG00000163254.5	1	0	0	1	1
## ENSG00000224529.1	0	0	0	0	0
## ENSG00000182187.4	0	0	0	0	0

## ENSG00000168582.5	0	3	0	0	0
## ENSG00000188674.11	1	0	1	1	3
## ENSG00000233869.1	0	0	0	0	0
## ENSG00000228111.1	1	0	0	0	0
## ENSG00000138413.14	40196	51992	45570	49441	44966
## ENSG00000231908.2	35	52	46	58	59
## ENSG00000115020.17	4151	5421	5080	5728	3695
## ENSG00000228380.1	0	0	0	1	0
## ENSG00000144407.10	13	11	25	5	14
## ENSG00000213081.3	0	0	0	0	0
## ENSG00000227430.1	0	0	0	0	0
## ENSG00000231896.1	0	0	0	0	0
## ENSG00000232409.1	0	0	0	0	0
## ENSG00000287662.1	0	0	0	0	0
## ENSG00000202164.1	0	0	0	0	0
## ENSG00000235864.1	0	0	0	0	0
## ENSG00000232799.1	0	0	0	0	0
## ENSG00000240286.1	0	0	1	0	0
## ENSG00000229670.2	1	1	1	2	1
## ENSG00000289113.1	0	0	0	0	0
## ENSG00000286249.1	0	0	0	0	0
## ENSG00000078018.22	2380	2555	2728	2157	2162
## ENSG00000222317.1	1	0	3	0	1
## ENSG00000144406.19	98	40	110	44	75
## ENSG00000237194.1	0	3	2	2	1
## ENSG00000197713.15	3682	4678	4356	4413	3879
## ENSG00000144445.17	693	833	776	828	651
## ENSG00000272807.1	5	10	14	10	11
## ENSG00000229127.2	5	10	1	3	10
## ENSG00000231063.1	0	2	0	0	2
## ENSG00000279317.4	2	1	6	0	2
## ENSG00000115361.8	7	12	15	5	13
## ENSG00000199203.1	0	0	0	0	0
## ENSG00000168530.16	0	0	0	0	1
## ENSG00000234281.5	1	2	4	1	1
## ENSG00000115365.13	4409	4875	5042	4458	4290
## ENSG00000021826.18	242	251	293	274	226
## ENSG00000288732.2	0	0	0	0	0
## ENSG00000280837.1	0	0	0	0	0
## ENSG00000271074.1	0	0	0	0	0
## ENSG00000231017.1	0	0	0	0	0
## ENSG00000178568.16	226	118	247	128	213
## ENSG00000199585.1	0	0	0	0	0
## ENSG00000232631.1	0	0	0	0	0
## ENSG00000236007.1	0	0	0	0	0
## ENSG00000221782.1	0	0	0	0	0
## ENSG00000273118.1	0	1	0	1	0
## ENSG00000234308.3	0	0	0	0	0
## ENSG00000231254.2	0	0	0	0	0
## ENSG00000223373.1	0	1	0	1	0
## ENSG00000283637.1	0	0	0	0	0
## ENSG00000266354.1	0	0	0	0	0
## ENSG00000286965.1	0	3	6	2	0
## ENSG00000030419.17	699	1037	820	902	708

## ENSG00000270659.2	42	65	61	52	40
## ENSG00000236193.3	0	0	0	0	0
## ENSG00000289002.2	2	0	0	0	0
## ENSG00000272519.1	0	1	1	5	1
## ENSG00000196096.3	4	5	5	1	3
## ENSG00000144451.20	1544	1819	2029	1708	1509
## ENSG00000265734.1	0	0	0	0	0
## ENSG00000197585.10	9	11	7	7	10
## ENSG00000213917.2	1	3	1	0	0
## ENSG00000174453.10	0	4	2	1	1
## ENSG00000224257.1	0	0	0	0	0
## ENSG00000177261.8	0	0	0	0	0
## ENSG00000138376.11	1570	2115	1917	2011	1762
## ENSG00000229267.3	71	77	77	59	47
## ENSG00000207274.1	0	0	0	0	0
## ENSG00000230076.1	459	455	535	576	664
## ENSG00000144452.15	1044	2413	1218	2320	1688
## ENSG00000227769.7	1	1	3	1	2
## ENSG00000286836.1	2	2	1	1	0
## ENSG00000237571.1	0	1	0	0	0
## ENSG00000138363.15	17798	21400	20929	19555	22026
## ENSG00000115414.21	1115349	1730192	1360401	1626545	1310109
## ENSG00000230695.2	4	6	4	5	10
## ENSG00000225166.2	0	0	1	1	0
## ENSG00000228618.1	1	0	2	0	0
## ENSG00000234938.2	0	0	0	0	0
## ENSG00000237525.7	11	13	10	12	6
## ENSG00000227981.2	1	0	0	1	0
## ENSG00000235770.6	1424	1703	1712	1617	1475
## ENSG00000230838.2	0	6	5	5	4
## ENSG00000288791.1	0	0	0	0	0
## ENSG00000216721.3	0	2	1	0	1
## ENSG00000227824.1	0	0	0	0	0
## ENSG00000226276.1	3	3	8	3	6
## ENSG00000118242.17	1751	2323	1935	1842	2039
## ENSG00000115425.14	866	1144	1118	1282	1046
## ENSG00000163449.11	566	343	610	351	455
## ENSG00000079246.16	75228	87132	80881	81909	84063
## ENSG00000232970.1	0	2	0	0	0
## ENSG00000236478.2	0	0	0	0	0
## ENSG00000279348.1	661	905	752	769	595
## ENSG00000260804.3	1019	1467	1202	1359	1492
## ENSG00000144583.5	177	89	200	111	132
## ENSG00000231092.1	2	0	0	0	0
## ENSG00000233581.1	0	0	0	0	0
## ENSG00000207303.1	0	0	0	0	0
## ENSG00000235042.1	0	0	1	0	0
## ENSG00000290060.1	0	0	0	0	0
## ENSG00000138375.14	2742	3352	3200	3415	3124
## ENSG00000232485.4	16	29	24	23	25
## ENSG00000241520.1	2	5	2	4	1
## ENSG00000197756.10	77568	92900	89917	96316	118705
## ENSG00000224391.1	1	1	0	0	3
## ENSG00000225794.3	3	1	4	2	3

## ENSG00000235444.2	0	0	0	2	0
## ENSG00000115457.10	42313	49448	43738	49983	64498
## ENSG00000115461.5	16750	20648	20192	23080	23855
## ENSG00000233143.4	42	37	40	33	39
## ENSG00000237930.1	0	0	0	0	0
## ENSG00000222832.1	0	0	0	0	0
## ENSG00000234588.1	0	0	0	2	0
## ENSG00000231597.1	0	1	0	0	0
## ENSG00000118245.2	7	1	5	1	10
## ENSG00000223874.2	2	0	0	0	0
## ENSG00000237479.1	0	0	0	0	0
## ENSG00000236295.1	0	0	0	0	0
## ENSG00000287498.1	0	0	0	0	0
## ENSG00000251982.1	0	0	0	0	0
## ENSG00000278004.1	0	0	0	0	0
## ENSG00000231672.8	16	17	15	13	16
## ENSG00000224414.1	0	0	0	0	0
## ENSG00000231035.1	1	0	2	4	3
## ENSG00000079308.21	516	705	701	863	650
## ENSG00000275458.1	0	0	0	0	0
## ENSG00000223923.2	10	5	13	7	12
## ENSG00000188282.13	0	0	0	0	0
## ENSG00000291236.1	0	0	1	1	0
## ENSG00000229754.3	0	0	0	0	0
## ENSG00000180871.8	10	21	20	24	17
## ENSG00000163464.8	0	0	0	0	0
## ENSG00000224159.1	1	3	9	7	8
## ENSG00000163466.16	22008	28755	24124	27278	28072
## ENSG00000261338.2	84	115	141	126	128
## ENSG00000179921.15	210	92	192	98	202
## ENSG00000127837.10	8239	9448	9207	9378	10801
## ENSG00000127838.15	2685	3285	2997	3585	3709
## ENSG00000135926.15	7054	9934	8921	10612	9021
## ENSG00000284173.1	0	0	0	0	0
## ENSG00000237281.1	3	1	2	1	0
## ENSG00000278524.1	1	0	0	0	0
## ENSG00000230580.1	4	0	5	3	10
## ENSG00000158428.4	28	25	31	49	38
## ENSG00000225062.2	1	1	1	0	1
## ENSG00000288819.2	3	2	0	6	0
## ENSG00000018280.17	8	13	22	11	19
## ENSG00000144579.9	4154	4666	4509	4552	5435
## ENSG00000273361.1	0	0	0	0	0
## ENSG00000199121.4	0	0	0	0	0
## ENSG00000127831.11	11379	14297	13173	14375	11896
## ENSG00000135913.11	1528	1852	1610	1813	1372
## ENSG00000222714.1	0	0	1	0	0
## ENSG00000144580.15	8536	9756	8948	9751	9941
## ENSG00000207393.1	0	0	0	0	0
## ENSG00000115556.14	1	2	2	4	3
## ENSG00000115568.16	2301	2476	2570	2540	2656
## ENSG00000074582.15	1467	1595	1584	1448	1727
## ENSG00000163481.8	1507	1594	1622	1722	2063
## ENSG00000163482.12	1707	1922	1851	2014	1791

## ENSG00000135912.11	4794	5528	5544	5601	5373
## ENSG00000135929.9	546	524	665	576	626
## ENSG00000286154.1	0	0	0	0	0
## ENSG00000272555.1	1	3	2	1	1
## ENSG00000115592.13	1	0	0	1	1
## ENSG00000283639.1	0	0	0	0	0
## ENSG00000232625.1	0	0	0	0	0
## ENSG00000115596.4	198	172	186	194	329
## ENSG00000135925.9	441	401	471	417	647
## ENSG00000228135.1	4	0	2	2	4
## ENSG00000288898.1	6	8	6	7	9
## ENSG00000200029.1	0	0	0	0	0
## ENSG00000235024.1	1	1	1	1	2
## ENSG00000224928.2	4	7	9	13	11
## ENSG00000171450.6	502	290	583	289	557
## ENSG00000236445.5	1	0	0	0	0
## ENSG00000163497.3	993	540	1228	533	1074
## ENSG00000163499.12	3708	1321	3629	1279	3683
## ENSG00000198973.4	0	0	0	0	0
## ENSG00000224090.1	4	2	9	11	10
## ENSG00000181378.14	44	39	51	28	48
## ENSG00000163501.7	3108	5391	3363	5476	4173
## ENSG00000264755.1	61	77	55	67	53
## ENSG00000286606.1	13	29	27	28	23
## ENSG00000187736.14	754	934	949	1000	844
## ENSG00000280537.2	3	2	2	3	4
## ENSG00000240317.3	0	0	0	0	0
## ENSG00000213901.11	1	3	3	4	5
## ENSG00000115649.16	1933	2415	2361	2676	2581
## ENSG00000144567.11	4201	5106	4594	5105	5494
## ENSG00000290093.1	0	0	1	1	2
## ENSG00000158552.13	707	754	677	740	840
## ENSG00000287529.1	0	0	0	0	0
## ENSG00000115657.14	158	211	211	174	183
## ENSG00000284820.1	2	2	0	2	4
## ENSG00000198925.12	2532	2910	2836	3109	3136
## ENSG00000163516.14	1867	2173	2168	2261	2286
## ENSG00000163521.16	511	605	622	580	521
## ENSG00000115661.14	1809	2336	2111	2540	2313
## ENSG00000127824.15	590	325	639	360	652
## ENSG00000243910.9	13	7	10	6	11
## ENSG00000135924.17	2559	3089	2987	3099	3396
## ENSG00000054356.14	1506	612	1539	618	1572
## ENSG00000207647.1	0	0	0	0	0
## ENSG00000230432.1	0	0	1	1	0
## ENSG00000182698.12	0	0	0	0	1
## ENSG00000232789.1	0	0	0	0	0
## ENSG00000123992.20	2559	3394	2913	3453	3458
## ENSG00000229525.1	17	34	19	34	28
## ENSG00000175084.13	15	33	21	47	39
## ENSG00000234638.1	0	0	0	0	0
## ENSG00000280323.1	0	0	0	0	0
## ENSG00000072195.15	358	392	479	466	519
## ENSG00000227432.1	4	1	0	0	3

## ENSG00000286143.1	0	0	0	0	0
## ENSG00000286095.3	3	4	1	0	2
## ENSG00000268603.2	7	3	0	3	3
## ENSG00000144591.20	2143	2309	2281	2419	2691
## ENSG00000072182.14	46	20	54	23	48
## ENSG00000123989.15	5166	6559	5401	6860	7078
## ENSG00000188760.11	303	292	299	258	374
## ENSG00000268896.1	0	0	0	2	1
## ENSG00000265252.1	1	0	0	0	0
## ENSG00000124006.15	4711	5399	5237	5666	6375
## ENSG00000269068.1	3	2	1	4	1
## ENSG00000123999.5	33	23	28	27	42
## ENSG00000222678.1	0	0	0	0	0
## ENSG00000144589.22	1184	1246	1234	1349	1378
## ENSG00000228973.1	4	8	3	3	5
## ENSG00000114923.17	499	503	562	583	609
## ENSG00000267919.1	1	0	2	1	2
## ENSG00000231802.1	0	2	0	0	0
## ENSG00000227308.2	0	0	0	4	1
## ENSG00000223903.1	0	0	0	0	0
## ENSG00000228909.2	0	0	0	0	0
## ENSG00000286199.1	0	0	0	0	0
## ENSG00000266518.1	0	0	0	0	0
## ENSG00000288902.2	1	0	0	0	1
## ENSG00000225911.1	0	0	0	0	0
## ENSG00000239498.1	1	0	0	0	0
## ENSG00000235337.1	0	0	0	0	0
## ENSG00000236451.3	0	1	1	0	0
## ENSG00000224819.2	0	0	0	0	1
## ENSG00000286272.1	0	0	0	0	0
## ENSG00000232089.1	0	0	0	0	0
## ENSG00000290000.1	0	0	0	0	0
## ENSG00000286170.1	0	0	0	0	0
## ENSG00000116106.12	1968	2004	2277	2087	2168
## ENSG00000226726.1	1	0	0	0	0
## ENSG00000272944.1	32	33	45	22	39
## ENSG00000230406.2	1	1	0	3	2
## ENSG00000234446.3	0	0	0	0	0
## ENSG00000233868.1	5	10	4	5	10
## ENSG00000226666.1	16	15	11	27	18
## ENSG00000226331.1	0	0	0	0	0
## ENSG00000135903.20	2	6	9	3	2
## ENSG00000163081.4	0	0	0	0	0
## ENSG00000288658.2	16	10	16	10	12
## ENSG00000237732.12	0	0	0	0	0
## ENSG00000291155.1	2	1	3	0	4
## ENSG00000200822.1	0	0	0	0	0
## ENSG00000163082.10	1776	1200	1960	1107	1887
## ENSG00000228670.4	0	0	0	0	0
## ENSG00000202016.1	0	0	0	0	0
## ENSG00000234285.1	0	0	0	0	0
## ENSG00000116120.11	6449	7140	6974	7101	6846
## ENSG00000124003.13	2	2	0	4	4
## ENSG00000233751.1	0	0	0	0	0

## ENSG00000203531.3	0	0	0	0	0
## ENSG00000235225.1	8	3	1	3	2
## ENSG00000123983.15	13450	16410	15956	16518	14044
## ENSG00000224121.1	0	0	0	0	0
## ENSG00000234193.1	0	0	0	0	0
## ENSG00000278083.1	3	0	0	0	1
## ENSG00000152049.7	9	44	18	40	36
## ENSG00000243125.3	0	0	0	0	0
## ENSG00000233299.1	0	0	0	0	0
## ENSG00000231189.1	0	0	1	0	0
## ENSG00000235610.1	0	0	0	0	0
## ENSG00000171951.5	6459	3279	6794	2846	6660
## ENSG00000152056.18	951	1389	1244	1367	1280
## ENSG00000226539.1	2	0	1	0	0
## ENSG00000286239.1	0	1	0	1	0
## ENSG00000085449.15	3923	4859	4727	4345	4004
## ENSG00000135900.4	3013	3934	3468	3896	3698
## ENSG00000228802.1	1	0	1	1	0
## ENSG00000135919.14	3268	3401	4226	3540	3710
## ENSG00000224826.1	0	0	0	0	1
## ENSG00000228681.1	0	0	0	0	0
## ENSG00000124019.10	1	0	1	4	1
## ENSG00000274629.1	0	2	0	1	0
## ENSG00000036257.14	9502	10888	10866	10592	10428
## ENSG00000228446.2	1	4	4	10	4
## ENSG00000283428.1	0	0	0	0	0
## ENSG00000135905.21	297	93	337	101	213
## ENSG00000263828.1	0	0	0	0	0
## ENSG00000144460.13	99	99	127	100	80
## ENSG00000289265.1	0	0	0	0	0
## ENSG00000279015.1	0	0	0	0	0
## ENSG00000230621.1	2	1	1	1	0
## ENSG00000235070.3	0	0	0	1	0
## ENSG00000263363.1	0	0	0	0	0
## ENSG00000169047.6	7927	11789	9895	11965	10278
## ENSG00000272622.2	88	142	104	130	74
## ENSG00000261379.1	3	9	7	10	7
## ENSG00000290086.1	5	6	4	11	2
## ENSG00000144468.17	2158	2704	2536	2650	2359
## ENSG00000212391.1	0	0	0	0	0
## ENSG00000081052.14	14	24	21	14	11
## ENSG00000169031.21	8	10	2	5	6
## ENSG00000236432.8	134	173	158	127	133
## ENSG00000168958.21	5616	6925	6235	6420	6602
## ENSG00000168955.4	3	7	0	5	2
## ENSG00000284629.1	0	0	0	0	0
## ENSG00000284092.1	0	1	0	0	0
## ENSG00000173744.18	9819	12884	11715	12145	10985
## ENSG00000285843.1	0	0	0	0	0
## ENSG00000284643.1	0	0	0	0	0
## ENSG00000284622.2	0	0	1	0	1
## ENSG00000290795.1	1	0	0	3	0
## ENSG00000284704.1	0	0	1	0	0
## ENSG00000236116.1	1	0	1	2	1

## ENSG00000284631.2	0	0	0	0	0
## ENSG00000042304.14	5	1	3	2	3
## ENSG00000284667.1	0	0	1	0	0
## ENSG00000135917.16	13966	32207	16271	29063	19525
## ENSG00000284725.1	0	2	1	1	1
## ENSG00000284718.1	0	0	0	0	0
## ENSG00000284635.2	0	0	0	0	0
## ENSG00000252346.1	0	0	0	0	0
## ENSG00000226718.1	0	0	0	0	0
## ENSG00000229172.1	0	0	0	1	0
## ENSG00000115009.13	15	42	17	41	27
## ENSG00000183514.4	0	0	0	0	0
## ENSG00000123977.10	90	78	129	84	105
## ENSG00000272237.1	0	0	0	0	0
## ENSG00000153820.13	902	487	1022	605	754
## ENSG00000200281.1	1	0	0	0	3
## ENSG00000203387.2	1	1	3	0	1
## ENSG00000286772.1	0	0	0	0	0
## ENSG00000232023.3	1	3	2	1	1
## ENSG00000228226.1	0	0	0	0	0
## ENSG00000237322.1	0	0	0	0	0
## ENSG00000153823.19	146	181	197	201	202
## ENSG00000226297.1	0	0	0	0	0
## ENSG00000253006.1	0	0	0	0	0
## ENSG00000290097.1	0	0	0	0	0
## ENSG00000187957.8	685	707	721	500	812
## ENSG00000287791.1	0	0	0	1	0
## ENSG00000238782.1	0	0	0	0	0
## ENSG00000235993.1	0	0	0	0	0
## ENSG00000153827.15	19588	24515	22415	22824	19436
## ENSG00000222344.1	0	0	0	0	0
## ENSG00000153832.12	377	490	488	482	452
## ENSG00000252333.1	0	1	0	0	0
## ENSG00000231534.1	1	1	0	0	0
## ENSG00000206725.1	0	0	0	0	0
## ENSG00000163053.11	1181	1126	1433	1166	1244
## ENSG00000199400.1	3	3	9	1	6
## ENSG00000225963.8	1	3	3	3	1
## ENSG00000283451.1	0	0	0	0	0
## ENSG00000135899.20	193	214	180	208	164
## ENSG00000079263.19	1	5	2	6	3
## ENSG00000185404.17	84	148	121	146	98
## ENSG00000279964.1	1	0	0	1	2
## ENSG00000067066.17	260	389	387	433	284
## ENSG00000243650.3	0	4	1	2	0
## ENSG00000250011.1	0	2	0	0	1
## ENSG00000235419.5	0	1	0	0	0
## ENSG00000183022.5	11	10	10	19	22
## ENSG00000283202.1	0	0	0	0	0
## ENSG00000199791.1	0	0	0	0	0
## ENSG00000289157.1	0	2	0	0	0
## ENSG00000226125.2	1	4	7	3	1
## ENSG00000135932.12	9201	13093	11024	11530	10293
## ENSG00000237758.1	19	14	16	17	37

## ENSG00000201044.1	0	0	0	0	0
## ENSG00000270891.1	0	0	0	0	0
## ENSG00000135916.16	18838	25011	21549	26728	26960
## ENSG00000232520.2	1	3	1	0	2
## ENSG00000135898.10	0	19	9	14	2
## ENSG00000230385.1	0	0	0	0	0
## ENSG00000283164.1	0	0	0	0	0
## ENSG00000235013.1	0	1	0	0	2
## ENSG00000238062.6	22	23	17	28	22
## ENSG00000173699.17	0	0	1	0	0
## ENSG00000204128.6	2283	3411	2891	4020	2674
## ENSG00000261829.1	24	15	36	33	19
## ENSG00000173692.14	18842	22640	20317	21277	21147
## ENSG00000135914.6	3	13	10	25	6
## ENSG00000201574.1	0	0	0	0	0
## ENSG00000135931.19	2497	3097	2854	3004	3015
## ENSG00000237039.1	13	26	17	41	33
## ENSG00000263641.1	1	1	0	0	0
## ENSG00000224376.3	14	11	7	3	7
## ENSG00000156966.7	1688	2130	1772	1819	1954
## ENSG00000172799.5	9	13	13	9	7
## ENSG00000230047.1	0	0	1	2	0
## ENSG00000233538.1	1	0	0	2	0
## ENSG00000115053.17	96540	108560	113237	108412	109651
## ENSG00000206885.1	0	0	0	0	0
## ENSG00000207280.1	0	0	0	0	0
## ENSG00000202400.1	0	0	0	2	0
## ENSG00000283312.1	1	1	11	7	6
## ENSG00000283491.1	13	7	15	12	5
## ENSG00000223198.1	0	4	3	1	3
## ENSG00000181798.4	20	28	26	16	17
## ENSG00000286942.1	1	0	0	0	0
## ENSG00000171596.7	0	6	3	2	0
## ENSG00000231494.1	0	0	0	0	0
## ENSG00000228884.2	0	0	0	0	0
## ENSG00000286399.1	0	0	0	0	0
## ENSG00000177673.4	0	0	0	0	0
## ENSG00000239202.3	0	0	0	0	0
## ENSG00000289018.2	18	32	17	21	19
## ENSG00000187514.17	125395	146761	144928	140466	165859
## ENSG00000277986.1	0	0	0	0	0
## ENSG00000284378.1	0	0	0	0	0
## ENSG00000156973.14	1238	1423	1275	1362	1389
## ENSG00000144524.18	3534	3763	3918	4135	4276
## ENSG00000237641.1	0	4	1	2	1
## ENSG00000261096.1	15	10	9	16	14
## ENSG00000260622.1	0	0	0	0	0
## ENSG00000222246.1	0	0	0	0	0
## ENSG00000163273.4	18	11	15	6	13
## ENSG00000144535.20	2063	2463	2306	2324	2443
## ENSG00000227033.1	0	0	1	0	0
## ENSG00000207626.1	0	0	0	0	0
## ENSG00000251485.1	20	38	27	31	30
## ENSG00000230122.1	0	0	0	0	0

## ENSG00000275157.1	0	0	0	0	0
## ENSG00000163283.7	31	63	29	35	51
## ENSG00000224516.5	0	0	0	0	0
## ENSG00000290681.1	2	5	7	5	8
## ENSG00000244280.2	1	2	2	1	0
## ENSG00000163286.9	117	167	134	178	155
## ENSG00000204121.2	1	2	1	4	4
## ENSG00000237087.1	2	0	0	0	1
## ENSG00000223788.4	0	0	0	0	0
## ENSG00000163295.5	33	59	58	52	27
## ENSG00000171551.12	179	180	234	200	331
## ENSG00000237412.7	0	0	0	0	0
## ENSG00000135902.10	7	6	9	0	5
## ENSG00000196811.13	4	0	1	0	1
## ENSG00000221944.9	300	355	301	362	336
## ENSG00000284407.1	0	0	0	0	0
## ENSG00000135930.15	7089	8988	8467	8925	9352
## ENSG00000237126.8	103	103	126	157	100
## ENSG00000115468.13	942	1080	1236	1132	1285
## ENSG00000244384.3	0	0	0	0	0
## ENSG00000204120.16	7038	8947	8528	9404	7966
## ENSG00000213055.3	1	1	3	0	0
## ENSG00000241409.1	0	0	0	0	0
## ENSG00000115474.7	242	1085	279	905	346
## ENSG00000252452.1	0	0	0	0	1
## ENSG00000199781.1	0	0	0	0	0
## ENSG00000182600.10	50	59	58	70	63
## ENSG00000066248.15	44	48	58	54	77
## ENSG00000222001.2	0	0	0	0	0
## ENSG00000115488.3	0	0	0	0	0
## ENSG00000168918.14	4199	6623	5016	7043	6409
## ENSG00000289129.2	0	0	0	0	0
## ENSG00000263941.2	0	3	2	1	1
## ENSG00000085978.22	1967	2310	2354	2692	2242
## ENSG00000252010.1	2	2	0	4	1
## ENSG00000251791.1	3	2	1	2	0
## ENSG00000130561.17	2	0	2	2	1
## ENSG00000259793.1	1	1	1	0	0
## ENSG00000077044.11	4853	4582	5398	4917	4799
## ENSG00000201013.1	0	0	0	0	0
## ENSG00000085982.16	3233	3920	3547	3891	3310
## ENSG00000271639.1	0	2	0	0	0
## ENSG00000228949.1	0	1	0	0	0
## ENSG00000227846.1	0	0	0	0	0
## ENSG00000242366.4	0	0	0	0	0
## ENSG00000242515.6	0	0	0	2	0
## ENSG00000234143.1	0	0	0	0	0
## ENSG00000241119.2	0	0	0	1	2
## ENSG00000244122.3	0	0	0	0	0
## ENSG00000167165.19	4	3	6	6	6
## ENSG00000224814.1	0	0	0	0	0
## ENSG00000288705.1	0	0	2	0	3
## ENSG00000244474.6	3	2	5	3	3
## ENSG00000233445.1	2	0	0	0	0

## ENSG00000288702.1	1	0	0	0	0
## ENSG00000248114.1	0	0	0	0	0
## ENSG00000293135.1	0	0	0	0	0
## ENSG00000227802.2	0	0	0	0	0
## ENSG00000228445.1	0	0	0	0	0
## ENSG00000248705.1	0	0	0	0	0
## ENSG00000293136.1	0	0	0	0	0
## ENSG00000178836.7	0	0	0	0	0
## ENSG00000241635.8	5	11	7	8	1
## ENSG00000185038.15	0	1	4	0	1
## ENSG00000123485.12	2146	2161	2427	2373	2420
## ENSG00000293137.1	156	180	210	169	151
## ENSG00000224287.3	4	9	4	6	6
## ENSG00000144481.17	0	1	1	1	1
## ENSG00000237581.1	0	0	0	0	0
## ENSG00000286059.1	0	0	0	0	0
## ENSG00000072080.11	0	0	0	0	0
## ENSG00000279218.1	0	0	0	0	0
## ENSG00000226442.2	0	0	0	0	0
## ENSG00000261298.1	0	0	0	0	0
## ENSG00000237784.1	0	1	1	0	2
## ENSG00000288040.1	0	1	2	0	0
## ENSG00000228162.2	1	1	4	0	0
## ENSG00000231682.1	0	0	0	0	1
## ENSG00000232690.1	0	0	0	2	0
## ENSG00000188042.8	9739	12379	11600	11654	12717
## ENSG00000280744.1	1	0	2	2	3
## ENSG00000278593.1	0	0	0	0	0
## ENSG00000235726.7	13	20	18	15	15
## ENSG00000130147.16	9274	11652	10931	11721	10833
## ENSG00000226542.1	0	0	0	1	0
## ENSG00000231032.1	0	0	0	0	0
## ENSG00000235293.1	1	0	0	0	0
## ENSG00000157985.20	4991	5949	5999	6266	5671
## ENSG00000235529.2	17	26	16	20	24
## ENSG00000222007.6	0	0	0	0	0
## ENSG00000228499.1	2	0	3	4	4
## ENSG00000238812.1	0	0	0	0	0
## ENSG00000264676.2	0	0	0	0	0
## ENSG00000207049.1	0	0	0	0	0
## ENSG00000168505.7	28	27	26	35	31
## ENSG00000233611.4	12	28	18	27	30
## ENSG00000182177.15	1	3	2	0	0
## ENSG00000200745.1	0	0	1	0	0
## ENSG00000132321.17	269	414	385	444	414
## ENSG00000270540.1	0	0	0	0	0
## ENSG00000232893.1	6	0	1	1	0
## ENSG00000231546.1	0	0	0	0	0
## ENSG00000144476.6	197	202	220	323	285
## ENSG00000232328.3	1	0	0	1	0
## ENSG00000227252.2	153	185	177	160	172
## ENSG00000202341.1	0	0	0	0	0
## ENSG00000124835.2	1	0	1	0	0
## ENSG00000198612.11	5306	6074	5776	5837	6119

## ENSG00000224844.1	3	1	0	0	0
## ENSG00000224132.2	0	0	0	1	0
## ENSG00000163359.17	113	802	845	1404	556
## ENSG00000222022.1	0	0	0	0	0
## ENSG00000222032.2	0	1	0	0	0
## ENSG00000115648.14	32	47	54	43	22
## ENSG00000289261.1	0	0	1	0	0
## ENSG00000277842.1	0	0	0	0	0
## ENSG00000222449.1	0	0	0	0	0
## ENSG00000071677.1	0	0	0	0	0
## ENSG00000124839.13	782	1062	898	1122	959
## ENSG00000234949.2	5	24	17	32	21
## ENSG00000227107.1	9	5	14	14	12
## ENSG00000124831.20	6160	7153	7277	7795	6323
## ENSG00000286864.1	1	0	1	2	0
## ENSG00000177483.12	11	24	23	26	11
## ENSG00000132329.11	3296	5210	3654	5667	5835
## ENSG00000263723.1	0	0	0	1	0
## ENSG00000288857.1	2	1	1	0	1
## ENSG00000184182.19	1457	1923	1576	1911	1840
## ENSG00000258984.5	11	7	4	10	8
## ENSG00000251971.1	0	0	0	0	0
## ENSG00000132330.18	297	405	368	400	425
## ENSG00000144488.15	7	8	12	4	11
## ENSG00000168427.9	102	96	125	141	138
## ENSG00000279484.2	1	1	0	2	1
## ENSG00000178752.16	157	341	203	346	411
## ENSG00000132323.9	1412	1740	1544	1789	1822
## ENSG00000186235.12	24	19	18	14	21
## ENSG00000225057.2	5	8	4	7	8
## ENSG00000144485.11	1672	1850	1735	1892	2617
## ENSG00000132326.13	1910	3292	2409	3247	2322
## ENSG00000283635.1	5	7	3	6	4
## ENSG00000232306.2	1	0	1	0	0
## ENSG00000204104.12	2283	3291	2968	3280	2920
## ENSG00000202099.1	0	2	0	0	0
## ENSG00000065802.12	4176	5164	4913	5349	4865
## ENSG00000229915.1	2	1	3	2	3
## ENSG00000274346.1	0	3	0	1	0
## ENSG00000225493.1	0	0	4	0	0
## ENSG00000234279.2	0	0	0	0	1
## ENSG00000286160.2	0	0	0	0	0
## ENSG00000224252.1	0	0	0	0	0
## ENSG00000286748.1	0	0	0	0	0
## ENSG00000226992.1	0	0	0	0	0
## ENSG00000233608.5	10	6	18	14	12
## ENSG00000227744.4	0	0	0	0	0
## ENSG00000068024.18	1341	1714	1613	1807	1560
## ENSG00000266109.1	0	0	0	0	0
## ENSG00000264810.1	1	0	0	0	0
## ENSG00000286307.1	0	0	0	1	0
## ENSG00000287405.1	2	3	1	7	2
## ENSG00000265215.1	0	0	0	0	0
## ENSG00000264292.1	0	0	0	0	0

## ENSG00000222020.5	6	6	4	2	5
## ENSG00000286525.3	0	0	0	0	0
## ENSG00000288082.1	0	0	1	0	1
## ENSG00000286188.1	4	1	5	4	1
## ENSG00000196758.3	0	0	1	1	0
## ENSG00000227459.1	0	0	0	0	0
## ENSG00000259889.1	0	0	0	0	0
## ENSG00000220256.4	0	0	0	0	0
## ENSG00000130414.13	5941	7223	6690	6889	6789
## ENSG00000264279.1	3	1	5	5	3
## ENSG00000182083.8	0	0	0	0	0
## ENSG00000178586.7	0	0	0	0	0
## ENSG00000231278.1	0	0	0	0	0
## ENSG00000213048.3	0	2	1	0	0
## ENSG00000172428.11	1837	2054	2064	2203	2674
## ENSG00000178602.8	0	0	0	0	1
## ENSG00000286325.1	0	0	0	0	0
## ENSG00000286183.1	0	0	0	0	0
## ENSG00000227479.1	5	3	2	7	8
## ENSG00000276366.1	0	0	0	0	0
## ENSG00000063660.9	11392	13112	11582	12121	16881
## ENSG00000218416.4	22	34	28	39	17
## ENSG00000207611.1	1	0	0	3	0
## ENSG00000144504.16	417	425	474	483	476
## ENSG00000287049.1	1	0	5	1	0
## ENSG00000188542.10	163	173	167	194	187
## ENSG00000142327.13	4661	5188	5115	4677	6461
## ENSG00000260942.1	156	176	139	180	190
## ENSG00000142330.20	1233	1218	1251	1462	1577
## ENSG00000178623.13	30	38	31	47	30
## ENSG00000276949.1	0	0	0	0	0
## ENSG00000185176.13	0	0	0	0	0
## ENSG00000219159.4	6	7	2	6	2
## ENSG00000184945.15	0	0	0	0	0
## ENSG00000274977.1	0	0	0	0	0
## ENSG00000130294.18	16189	17317	18427	17745	18408
## ENSG00000172482.5	19	12	21	17	14
## ENSG00000172478.18	566	758	630	743	745
## ENSG00000226321.6	0	2	1	2	0
## ENSG00000233392.5	0	0	1	0	0
## ENSG00000223991.1	0	0	0	0	0
## ENSG00000162804.15	74	48	71	58	74
## ENSG00000229996.1	1	0	0	0	0
## ENSG00000225521.1	1	0	0	0	0
## ENSG00000122085.17	1559	1815	1830	1797	1807
## ENSG00000289253.2	5	2	2	1	0
## ENSG00000115687.14	1584	1585	1805	1681	1689
## ENSG00000235861.1	0	0	0	0	0
## ENSG00000115685.15	3695	4512	4108	4173	4730
## ENSG00000146205.15	176	172	191	179	218
## ENSG00000115677.18	55688	65465	63012	63583	63539
## ENSG00000168385.18	38925	50810	44675	49846	45970
## ENSG00000286588.1	3	2	3	5	2
## ENSG00000223374.1	1	4	4	2	6

## ENSG00000006607.14	3128	4206	3781	4659	3357
## ENSG00000288080.1	1	1	1	0	0
## ENSG00000263752.1	0	0	0	0	0
## ENSG00000224232.1	4	1	4	0	1
## ENSG00000115694.15	8176	8788	8422	8476	10491
## ENSG00000289555.1	0	2	0	4	1
## ENSG00000234235.1	0	0	0	0	0
## ENSG00000176720.6	1864	1964	1884	1867	2349
## ENSG00000273113.1	9	12	20	14	9
## ENSG00000176946.13	4558	4927	5061	4798	6135
## ENSG00000207186.1	0	0	0	0	0
## ENSG00000168397.17	3450	4105	3894	4529	4645
## ENSG00000168393.13	2920	3254	2965	3177	4243
## ENSG00000168395.16	1913	2173	2087	2406	2120
## ENSG00000235351.1	2	2	1	1	2
## ENSG00000180902.18	596	692	674	712	835
## ENSG00000215692.2	0	0	1	0	0
## ENSG00000234793.1	0	1	0	0	0
## ENSG00000154252.12	18	21	15	22	16
## ENSG00000215023.2	2	2	6	7	4
## ENSG00000224272.2	32	28	34	36	40
## ENSG00000204099.12	27	28	26	29	20
## ENSG00000235151.1	2	1	1	2	1
## ENSG00000188389.11	4	3	1	3	4
## ENSG00000188011.5	0	1	0	0	0
## ENSG00000233806.9	15	22	22	19	13
## ENSG00000216921.9	1	7	10	6	10
## ENSG00000237940.3	10	6	17	21	7
## ENSG00000280119.1	0	3	1	2	1
## ENSG00000226423.1	0	0	0	0	0
## ENSG00000287971.1	0	0	1	0	1
## ENSG00000232002.2	0	0	0	0	0
## ENSG00000289556.2	1	0	1	0	0
## ENSG00000261186.2	8	15	6	16	13
## ENSG00000291147.1	73	115	91	119	72
## ENSG00000220804.11	0	0	0	0	0
## ENSG00000224160.1	0	0	0	0	0
## ENSG00000244528.1	0	0	4	0	0
## ENSG00000271153.1	0	0	0	0	0
## ENSG00000223587.2	0	1	0	0	1
## ENSG00000224918.1	0	0	0	0	0
## ENSG00000224318.6	0	0	0	0	1
## ENSG00000287140.1	0	0	0	0	0
## ENSG00000134121.10	187	40	256	30	153
## ENSG00000252017.1	0	0	0	0	0
## ENSG00000231660.1	0	0	0	0	0
## ENSG00000234661.2	0	0	0	0	0
## ENSG00000287505.1	0	0	0	0	1
## ENSG00000224957.7	11	28	18	39	27
## ENSG00000238075.1	0	0	0	0	0
## ENSG00000224239.1	1	5	8	8	1
## ENSG00000235158.1	0	0	0	0	0
## ENSG00000244169.3	0	0	0	0	0
## ENSG00000134115.13	25	26	52	28	20

## ENSG00000232563.1	0	0	0	0	0
## ENSG00000184423.5	0	0	0	0	1
## ENSG00000214074.3	0	0	0	0	0
## ENSG00000214073.2	1	0	0	1	1
## ENSG00000225044.1	0	1	0	0	0
## ENSG00000223040.1	0	0	0	0	0
## ENSG00000288831.2	12	12	20	26	26
## ENSG00000144619.15	2362	3757	2693	3658	2589
## ENSG00000227588.2	8	0	0	1	5
## ENSG00000286363.1	6	7	8	15	10
## ENSG00000230398.1	0	0	0	0	0
## ENSG00000225310.1	0	0	0	0	0
## ENSG00000237990.3	0	3	0	0	0
## ENSG00000091181.20	17	11	29	10	18
## ENSG00000253049.1	0	0	0	0	0
## ENSG00000072756.18	3004	3679	3434	3469	3285
## ENSG00000113851.16	1486	1862	1623	1726	1758
## ENSG00000223727.6	1	1	0	1	0
## ENSG00000144455.14	1693	2390	1955	2348	2137
## ENSG00000175928.6	10360	13424	12038	13442	11498
## ENSG00000287720.1	8	9	10	8	8
## ENSG00000229241.1	1	3	2	5	2
## ENSG00000286579.1	6	7	7	3	1
## ENSG00000170364.13	1967	2206	2059	2195	2052
## ENSG00000234325.1	0	0	0	1	0
## ENSG00000231249.3	18	17	13	6	17
## ENSG00000150995.21	164	225	258	283	208
## ENSG00000235947.1	0	0	3	3	0
## ENSG00000275981.1	0	0	0	0	0
## ENSG00000235978.8	4	5	2	0	0
## ENSG00000235831.8	15	22	14	22	15
## ENSG00000134107.5	391	538	561	650	551
## ENSG00000230182.1	0	0	0	0	0
## ENSG00000224082.1	0	0	0	0	0
## ENSG00000207283.1	0	0	0	0	0
## ENSG00000237566.1	0	0	0	0	0
## ENSG00000134108.14	4942	6755	5727	6237	5555
## ENSG00000233912.1	1	5	13	1	4
## ENSG00000268509.2	0	0	0	0	0
## ENSG00000134109.11	1772	2602	2423	3280	2048
## ENSG00000265180.1	0	0	0	0	0
## ENSG00000241227.3	0	0	0	0	0
## ENSG00000230944.1	0	0	0	0	0
## ENSG00000229642.1	2	2	1	1	0
## ENSG00000226022.1	0	0	1	2	0
## ENSG00000232958.1	0	0	0	0	0
## ENSG00000189229.12	8	8	9	11	6
## ENSG00000226258.7	1	0	0	1	1
## ENSG00000223719.1	0	0	0	0	0
## ENSG00000196277.17	2	2	1	4	1
## ENSG00000236152.1	1	3	3	3	2
## ENSG00000237665.1	0	0	0	0	0
## ENSG00000288030.1	0	0	0	0	0
## ENSG00000236202.1	0	0	0	0	0

## ENSG00000270207.2	0	0	4	0	0
## ENSG00000227110.7	16	15	22	9	11
## ENSG00000228351.3	1	0	0	0	0
## ENSG00000231401.2	0	0	0	0	0
## ENSG00000253081.1	0	0	0	0	0
## ENSG00000071282.12	412	514	516	464	498
## ENSG00000224884.1	0	0	0	0	0
## ENSG00000125046.16	20	16	22	7	21
## ENSG00000291007.1	0	0	1	0	0
## ENSG00000215160.4	0	0	0	0	0
## ENSG00000182533.7	1	0	2	1	0
## ENSG00000180914.11	917	511	1076	410	728
## ENSG00000070950.10	1784	2124	2150	1965	1942
## ENSG00000281863.1	0	0	0	0	0
## ENSG00000199815.2	0	0	0	0	0
## ENSG00000196220.17	1865	2269	2231	2496	2174
## ENSG00000224808.1	0	0	0	1	0
## ENSG00000287623.1	0	0	0	0	0
## ENSG00000228723.6	36	57	33	54	39
## ENSG00000227929.4	0	2	0	0	0
## ENSG00000235830.2	7	8	4	1	8
## ENSG00000254485.5	11	15	8	7	9
## ENSG00000214041.4	0	2	4	0	0
## ENSG00000206573.11	479	648	608	733	520
## ENSG00000134077.16	3975	4840	4408	4889	4155
## ENSG00000168137.20	10670	13491	13236	15027	10702
## ENSG00000156959.9	94	31	131	40	86
## ENSG00000235338.1	0	0	0	0	0
## ENSG00000163719.20	2551	2882	2632	3015	3148
## ENSG00000287878.1	3	15	11	14	10
## ENSG00000144550.14	19	9	21	18	23
## ENSG00000156983.17	1902	2005	2052	2118	2099
## ENSG00000114026.22	803	842	942	916	1141
## ENSG00000134072.11	207	247	233	217	315
## ENSG00000171148.14	9647	10854	9846	10029	12403
## ENSG00000241553.13	5143	6017	5368	5925	7305
## ENSG00000250151.9	4	4	3	8	2
## ENSG00000214021.18	121	169	177	251	141
## ENSG00000269886.1	1	2	1	2	0
## ENSG00000156990.14	2194	2524	2611	2369	2982
## ENSG00000187288.12	2	4	0	2	0
## ENSG00000171135.15	3352	3953	3734	4171	4675
## ENSG00000163701.19	112	121	132	135	175
## ENSG00000163702.21	105	85	99	88	119
## ENSG00000288550.3	0	0	0	2	0
## ENSG00000212327.1	1	0	2	1	1
## ENSG00000163703.20	196	260	259	315	256
## ENSG00000163704.13	562	472	554	462	647
## ENSG00000230082.1	10	26	23	10	21
## ENSG00000269982.1	66	83	82	112	99
## ENSG00000125037.13	3899	4767	4137	4477	4657
## ENSG00000291224.1	92	100	103	98	100
## ENSG00000180385.11	5	10	13	7	3
## ENSG00000232901.1	8	5	16	10	5

## ENSG00000206567.10	157	178	192	167	192
## ENSG00000291078.1	123	99	139	183	160
## ENSG00000186162.13	0	0	0	0	0
## ENSG00000144554.13	4030	4494	4928	4445	4352
## ENSG00000201182.1	0	0	0	1	0
## ENSG00000229217.1	0	0	1	0	0
## ENSG00000163705.13	3	0	2	0	0
## ENSG00000254999.4	11107	13123	12210	12898	13935
## ENSG00000134086.9	3520	4747	4254	4246	4129
## ENSG00000287086.1	0	0	0	0	0
## ENSG00000134070.5	159	292	205	295	196
## ENSG00000157014.11	1510	1781	1615	1763	1725
## ENSG00000289763.1	0	0	0	0	0
## ENSG00000272410.5	0	0	0	0	0
## ENSG00000231177.4	16	22	25	25	19
## ENSG00000157017.16	56	31	76	42	69
## ENSG00000240288.8	9	23	24	22	9
## ENSG00000276678.1	0	0	0	0	0
## ENSG00000157020.18	9538	11613	10934	11605	12681
## ENSG00000157087.20	34	18	65	26	41
## ENSG00000264534.3	0	0	1	0	0
## ENSG00000216135.3	0	0	0	0	0
## ENSG00000236999.1	0	0	0	0	0
## ENSG00000224771.2	0	0	0	0	0
## ENSG00000226567.2	0	0	0	0	0
## ENSG00000230599.2	0	0	0	0	0
## ENSG00000132164.10	82	132	121	248	99
## ENSG00000286962.1	0	0	0	5	2
## ENSG00000157103.13	0	0	0	0	0
## ENSG00000232287.2	0	0	0	0	0
## ENSG00000287964.1	0	0	0	0	0
## ENSG00000196639.7	4	47	14	36	14
## ENSG00000288969.1	0	0	0	0	0
## ENSG00000285906.2	0	0	1	0	0
## ENSG00000213964.3	1	1	1	0	1
## ENSG00000197548.13	1814	2066	1881	2082	2062
## ENSG00000226621.1	0	0	0	0	0
## ENSG00000235240.1	1	0	1	0	0
## ENSG00000270531.1	0	0	0	0	0
## ENSG00000144560.16	3629	4631	4197	4982	4158
## ENSG00000271716.1	0	0	0	0	0
## ENSG00000272483.1	0	0	1	0	0
## ENSG00000144559.11	857	990	970	1075	1002
## ENSG00000230342.2	0	0	1	1	1
## ENSG00000224263.1	0	0	0	0	0
## ENSG00000225275.4	0	0	0	0	0
## ENSG00000231897.1	0	0	0	0	0
## ENSG00000251038.1	0	0	0	0	0
## ENSG00000263988.2	0	0	0	0	0
## ENSG00000157152.17	88	80	91	90	102
## ENSG00000226642.1	0	0	0	1	1
## ENSG00000157150.5	19	13	10	34	20
## ENSG00000233026.1	0	0	0	0	0
## ENSG00000288952.2	0	0	2	0	0

## ENSG00000236062.1	0	0	0	0	0
## ENSG00000132170.24	1156	1486	1254	1414	1383
## ENSG00000225026.1	1	3	1	3	2
## ENSG00000154743.19	1472	1657	1623	1712	1631
## ENSG00000200114.1	0	2	2	3	0
## ENSG00000251774.1	2	0	0	1	0
## ENSG00000225526.6	38	49	40	46	34
## ENSG00000075975.17	1046	1177	1079	1239	1187
## ENSG00000274514.1	0	0	0	1	0
## ENSG00000132155.14	4866	5618	5356	5803	5555
## ENSG00000290072.1	4	2	3	6	5
## ENSG00000233252.1	0	0	0	0	0
## ENSG00000088726.16	11	20	8	14	8
## ENSG00000213943.3	51	59	39	48	59
## ENSG00000144712.13	713	475	777	550	816
## ENSG00000289809.2	0	0	0	0	2
## ENSG00000272263.1	42	44	30	36	33
## ENSG00000144713.13	72296	80886	78227	85026	102913
## ENSG00000207496.1	0	0	0	0	0
## ENSG00000250939.2	0	0	0	0	0
## ENSG00000232746.1	0	0	0	0	0
## ENSG00000144711.17	2915	3307	3441	3475	3251
## ENSG00000231362.1	1	1	3	0	2
## ENSG00000132182.13	12552	12802	14089	13190	14631
## ENSG00000238138.1	0	0	0	0	0
## ENSG00000223398.1	0	0	1	0	0
## ENSG00000244502.2	1	0	0	0	0
## ENSG00000163517.15	787	881	931	930	1075
## ENSG00000163520.14	308	254	421	435	467
## ENSG00000224514.3	0	0	0	0	0
## ENSG00000154764.6	41	36	53	40	42
## ENSG00000233121.1	2	0	1	1	0
## ENSG00000290338.1	0	0	0	0	0
## ENSG00000275340.2	0	1	0	0	0
## ENSG00000292995.1	0	3	0	1	0
## ENSG00000287059.1	8	1	6	2	0
## ENSG00000180438.16	0	0	0	0	0
## ENSG00000224752.1	0	0	0	0	0
## ENSG00000163528.13	1362	1656	1522	1724	1689
## ENSG00000170876.8	5290	7557	5998	7720	6343
## ENSG00000268279.4	2	8	10	7	8
## ENSG00000290044.1	1	4	0	0	2
## ENSG00000228242.6	17	30	27	41	22
## ENSG00000154767.15	3397	4692	4146	5123	4425
## ENSG00000170860.4	4455	5092	4544	4965	5770
## ENSG00000255021.1	0	0	0	2	0
## ENSG00000251576.1	0	1	0	1	0
## ENSG00000199609.1	0	0	0	0	0
## ENSG00000131389.18	4244	5586	5708	6693	4732
## ENSG00000144596.13	630	826	617	902	721
## ENSG00000207163.1	0	0	0	0	0
## ENSG00000234123.1	4	6	6	5	7
## ENSG00000283392.1	0	2	0	2	1
## ENSG00000235629.1	0	0	0	0	1

## ENSG00000154781.17	1488	1848	1755	1964	1661
## ENSG00000131379.10	18	25	23	19	12
## ENSG00000230172.1	0	0	0	0	0
## ENSG00000285969.1	0	1	0	0	1
## ENSG00000260902.1	0	0	0	0	0
## ENSG00000154783.12	143	67	139	78	109
## ENSG00000225733.8	10424	13033	12821	13778	12119
## ENSG00000177463.16	462	573	631	673	482
## ENSG00000131368.9	1064	1431	1296	1478	1319
## ENSG00000289750.1	0	0	0	0	0
## ENSG00000131381.12	1936	2459	2374	2398	2271
## ENSG00000228874.1	0	0	3	0	0
## ENSG00000227578.1	0	1	0	0	0
## ENSG00000230524.9	0	0	1	0	0
## ENSG00000290932.1	0	0	0	0	0
## ENSG00000291281.1	0	0	0	0	4
## ENSG00000131375.10	3440	4964	4063	4740	4115
## ENSG00000224660.2	156	194	223	226	174
## ENSG00000131370.16	611	580	753	718	732
## ENSG00000201162.1	0	0	0	0	0
## ENSG00000226427.1	1	0	1	4	1
## ENSG00000206562.12	1328	1596	1507	1519	1526
## ENSG00000144597.14	5691	7434	6508	7016	6348
## ENSG00000206926.1	0	1	4	0	0
## ENSG00000249786.8	1	4	9	12	5
## ENSG00000293553.1	0	0	0	0	0
## ENSG00000206561.14	52	83	97	77	65
## ENSG00000263573.1	0	0	0	0	0
## ENSG00000288077.1	0	0	0	0	0
## ENSG00000241064.3	0	0	0	0	0
## ENSG00000131373.15	934	1848	942	1918	1888
## ENSG00000169814.17	2225	2964	2673	3152	2621
## ENSG00000206560.12	3524	4113	4320	4071	3514
## ENSG00000264354.1	0	0	0	0	0
## ENSG00000279465.1	0	0	0	0	0
## ENSG00000270409.2	0	0	0	0	0
## ENSG00000290787.1	0	0	0	0	0
## ENSG00000263740.2	6	2	8	3	0
## ENSG00000287042.3	11	17	18	11	6
## ENSG00000207815.1	1	1	0	0	1
## ENSG00000224728.1	5	10	12	8	10
## ENSG00000286689.1	9	21	21	16	14
## ENSG00000131386.20	34	25	49	31	24
## ENSG00000285654.1	0	0	0	0	0
## ENSG00000154813.10	4736	5794	5085	5162	5232
## ENSG00000154814.14	1022	1182	1154	1295	1184
## ENSG00000270739.1	1	2	1	0	0
## ENSG00000131378.14	340	902	544	839	674
## ENSG00000271964.1	1	5	4	8	6
## ENSG00000272498.1	13	30	17	23	15
## ENSG00000272529.1	6	11	8	7	3
## ENSG00000287377.1	1	7	0	2	2
## ENSG00000288050.1	0	0	0	1	0
## ENSG00000233570.2	0	0	0	0	0

## ENSG00000269391.2	0	0	0	0	0
## ENSG00000092345.14	0	0	0	0	1
## ENSG00000229271.3	0	0	0	0	0
## ENSG00000224039.1	0	0	0	0	0
## ENSG00000154822.18	1557	1969	1716	2028	1865
## ENSG00000283885.1	0	0	0	0	0
## ENSG00000226441.2	0	0	0	0	0
## ENSG00000285731.1	0	1	0	0	1
## ENSG00000131374.15	4518	5521	5466	5428	4688
## ENSG00000231780.1	0	0	0	0	0
## ENSG00000227309.1	0	0	0	1	0
## ENSG00000271841.1	0	0	0	0	0
## ENSG00000233133.1	0	0	1	0	1
## ENSG00000286352.1	1	1	0	0	0
## ENSG00000213383.2	5	5	2	5	10
## ENSG00000214286.2	0	0	0	1	2
## ENSG00000226238.1	0	0	1	0	0
## ENSG00000274840.5	39	43	58	56	36
## ENSG00000182568.18	2265	2724	3015	2954	2539
## ENSG00000272477.1	0	0	0	0	0
## ENSG00000228956.9	169	199	236	217	249
## ENSG00000236570.1	11	13	11	19	15
## ENSG00000251761.1	0	0	0	0	0
## ENSG00000183960.9	222	302	253	283	234
## ENSG00000271898.1	0	0	0	0	0
## ENSG00000287069.1	192	218	229	222	193
## ENSG00000163576.18	24	22	41	22	30
## ENSG00000232953.1	0	0	0	0	1
## ENSG00000144566.11	4479	5981	5348	5251	4850
## ENSG00000289138.1	65	67	73	56	60
## ENSG00000183977.14	27	18	31	24	20
## ENSG00000201545.1	0	0	0	0	0
## ENSG00000230697.1	0	1	0	3	1
## ENSG00000229468.1	0	0	1	0	2
## ENSG00000114166.8	247	208	272	197	207
## ENSG00000266745.1	0	0	0	0	0
## ENSG00000129810.15	923	1239	1224	1193	1080
## ENSG00000231304.2	12	8	15	13	4
## ENSG00000199577.1	0	0	0	0	0
## ENSG00000261734.1	0	0	1	0	0
## ENSG00000206807.1	0	0	0	0	0
## ENSG00000282987.1	0	0	0	0	0
## ENSG00000236380.5	0	0	0	0	0
## ENSG00000151789.13	44	29	52	29	46
## ENSG00000225542.2	7	4	15	2	5
## ENSG00000223351.5	0	0	0	0	0
## ENSG00000293339.1	40	39	30	46	43
## ENSG00000132967.11	0	0	0	0	0
## ENSG00000234723.1	0	0	0	0	0
## ENSG00000271235.1	0	0	0	0	0
## ENSG00000226183.1	0	0	0	0	0
## ENSG00000231915.2	0	0	0	0	0
## ENSG00000215016.2	3	3	3	5	5
## ENSG00000233153.6	0	0	1	0	0

## ENSG00000182247.11	2503	3260	2858	3017	3004
## ENSG00000206728.1	0	0	1	0	2
## ENSG00000228171.1	0	0	0	0	0
## ENSG00000252562.1	0	0	0	0	0
## ENSG00000212269.1	0	0	0	0	0
## ENSG00000223791.1	15	23	18	20	24
## ENSG00000170142.12	4612	5667	5190	5378	5239
## ENSG00000231395.1	0	3	4	4	1
## ENSG00000197885.11	873	1048	1056	960	1037
## ENSG00000174748.22	104705	134096	115370	135067	153956
## ENSG00000174738.13	1875	2133	2174	1812	1770
## ENSG00000224074.3	0	0	0	4	0
## ENSG00000242109.1	0	0	0	0	0
## ENSG00000151090.20	10787	13929	12505	14084	11472
## ENSG00000289130.2	2	8	2	6	2
## ENSG00000229756.1	0	0	0	0	0
## ENSG00000224822.1	2	3	0	3	4
## ENSG00000228791.8	48	86	58	77	69
## ENSG00000272554.3	3	6	4	11	8
## ENSG00000265028.1	0	0	0	0	0
## ENSG00000233544.1	1	0	0	0	1
## ENSG00000077092.20	807	667	841	737	779
## ENSG00000244404.3	0	0	0	0	0
## ENSG00000201713.1	0	0	0	0	0
## ENSG00000213877.3	0	0	0	0	0
## ENSG00000201962.1	0	0	0	0	0
## ENSG00000229421.1	0	0	0	0	0
## ENSG00000272166.1	0	0	0	0	0
## ENSG00000077097.17	24416	29845	29184	27671	25077
## ENSG00000275227.1	0	0	0	0	0
## ENSG00000283971.1	0	0	0	1	0
## ENSG00000238225.1	0	1	0	0	0
## ENSG00000151092.18	2297	2489	2509	2508	2614
## ENSG00000213872.3	3	1	1	1	2
## ENSG00000213871.3	1	0	0	0	0
## ENSG00000151093.8	603	723	721	779	685
## ENSG00000230891.7	0	0	0	0	0
## ENSG00000234158.1	0	0	0	0	0
## ENSG00000237603.1	0	2	0	0	0
## ENSG00000230465.1	0	0	0	0	0
## ENSG00000225386.2	0	0	1	0	0
## ENSG00000179796.13	9	6	17	13	10
## ENSG00000163491.18	33	56	44	62	26
## ENSG00000224237.1	4	9	6	4	6
## ENSG00000207251.1	0	0	0	0	0
## ENSG00000287348.1	1	0	1	0	1
## ENSG00000033867.18	10697	14474	13413	14630	10146
## ENSG00000227523.1	0	1	0	0	1
## ENSG00000230807.1	2	3	4	4	3
## ENSG00000201033.1	0	0	0	0	0
## ENSG00000232167.1	0	0	0	0	0
## ENSG00000238912.1	0	0	0	0	0
## ENSG00000223968.1	0	0	0	0	0
## ENSG00000293322.1	113	111	164	145	128

## ENSG00000271943.5	0	0	0	0	0
## ENSG00000232766.1	0	0	0	0	0
## ENSG00000272282.1	6	18	10	13	13
## ENSG00000163508.13	20	19	10	13	22
## ENSG00000225548.7	11	18	16	17	8
## ENSG00000229243.2	0	0	0	0	0
## ENSG00000235493.2	3	9	7	11	6
## ENSG00000187118.14	571	832	699	793	885
## ENSG00000163512.14	1461	1895	1608	1666	1606
## ENSG00000206559.8	14	20	28	23	27
## ENSG00000283563.1	1	1	0	2	0
## ENSG00000234048.1	0	0	0	0	0
## ENSG00000230480.1	0	0	1	0	0
## ENSG00000144642.22	318	334	434	440	463
## ENSG00000235904.3	8	5	13	17	11
## ENSG00000215004.3	0	0	3	4	1
## ENSG00000226216.1	0	0	0	0	0
## ENSG00000203506.5	0	0	0	0	0
## ENSG00000227795.1	0	0	0	0	0
## ENSG00000235593.1	0	0	0	0	0
## ENSG00000287774.3	0	0	0	0	0
## ENSG00000199927.2	0	0	0	0	0
## ENSG00000281710.1	0	0	0	0	0
## ENSG00000289450.2	0	0	0	1	0
## ENSG00000227260.2	0	0	0	0	0
## ENSG00000227549.2	0	0	0	0	0
## ENSG00000163513.19	3581	4415	4231	4545	3936
## ENSG00000224618.1	0	2	0	0	0
## ENSG00000261468.1	11	14	17	9	11
## ENSG00000144644.15	2558	2195	3060	2646	2599
## ENSG00000265376.1	0	0	0	0	0
## ENSG00000213854.3	1	0	0	1	1
## ENSG00000222983.1	0	0	0	0	0
## ENSG00000230111.1	0	0	0	0	0
## ENSG00000227339.1	3	2	5	4	3
## ENSG00000288926.2	49	38	52	42	45
## ENSG00000163527.10	32760	37700	37719	34230	34957
## ENSG00000144645.16	1486	2042	1823	2008	1654
## ENSG00000232490.6	1	0	1	0	0
## ENSG00000223965.2	0	0	0	0	0
## ENSG00000197385.6	90	162	123	123	82
## ENSG00000235670.1	1	1	0	3	2
## ENSG00000201701.1	0	0	0	0	0
## ENSG00000252398.1	0	0	0	0	0
## ENSG00000251590.1	0	0	0	0	0
## ENSG00000152642.11	881	944	1051	879	892
## ENSG00000236732.1	1	0	4	0	0
## ENSG00000237433.1	2	2	6	4	3
## ENSG00000261572.2	97	98	120	106	117
## ENSG00000170293.9	678	841	894	912	875
## ENSG00000270377.1	0	0	0	0	0
## ENSG00000234737.1	28	28	30	23	45
## ENSG00000153551.14	2634	3215	2844	3223	3434
## ENSG00000091317.8	7933	11843	9488	10501	8687

## ENSG00000276147.1	0	0	0	0	0
## ENSG00000213849.3	1	0	0	1	2
## ENSG00000144635.9	4806	6014	5467	5648	5671
## ENSG00000226955.1	0	0	0	0	0
## ENSG00000231552.1	0	0	1	1	0
## ENSG00000237676.1	5	9	6	12	7
## ENSG00000182973.20	3138	3598	3463	3501	3665
## ENSG00000251224.1	0	2	0	0	3
## ENSG00000213842.2	1	1	2	8	5
## ENSG00000227337.1	14	9	7	12	19
## ENSG00000206557.6	17920	25397	22357	23667	20704
## ENSG00000183813.7	0	2	3	3	1
## ENSG00000170266.16	12960	17537	14634	19209	16713
## ENSG00000223899.1	0	0	0	0	2
## ENSG00000235424.1	0	0	2	0	1
## ENSG00000188167.9	148	206	173	168	140
## ENSG00000275090.1	0	0	0	0	0
## ENSG00000170275.15	12809	17416	14308	17509	15947
## ENSG00000272149.1	0	0	0	0	0
## ENSG00000173705.9	226	264	245	251	268
## ENSG00000230119.1	0	0	0	0	0
## ENSG00000289460.1	2	4	2	4	3
## ENSG00000153558.17	648	784	780	846	745
## ENSG00000153560.12	8990	10366	9936	10236	9496
## ENSG00000252700.1	1	0	0	2	0
## ENSG00000202175.1	1	0	0	0	0
## ENSG00000163539.19	5315	6545	6298	6900	5605
## ENSG00000238008.1	0	0	0	0	0
## ENSG00000228112.1	0	0	0	0	0
## ENSG00000227707.1	0	0	0	0	0
## ENSG00000271643.2	349	500	368	456	356
## ENSG00000170248.15	12189	15314	14370	14800	13219
## ENSG00000226320.6	82	76	85	60	49
## ENSG00000287981.1	0	0	0	1	1
## ENSG00000236452.1	18	24	25	10	20
## ENSG00000227498.2	0	0	0	0	0
## ENSG00000287641.1	0	1	6	2	1
## ENSG00000235534.1	0	0	0	0	0
## ENSG00000228767.1	4	3	5	5	6
## ENSG00000212442.1	0	0	0	0	0
## ENSG00000289420.1	0	0	0	0	0
## ENSG00000172995.17	51	17	58	12	41
## ENSG00000230830.1	0	0	0	0	0
## ENSG00000207625.1	0	0	0	0	0
## ENSG00000226489.1	0	0	0	0	0
## ENSG00000236158.1	0	0	0	0	0
## ENSG00000144681.11	1089	1314	1174	1285	1066
## ENSG00000231382.1	1	0	0	0	0
## ENSG00000201315.1	0	0	0	0	0
## ENSG00000163673.8	16	6	4	7	21
## ENSG00000230067.4	20	11	9	22	13
## ENSG00000292977.1	0	0	0	0	0
## ENSG00000279727.1	9	8	6	6	4
## ENSG00000281100.1	34	33	49	43	53

## ENSG00000168016.15	3247	2518	4300	3280	2869
## ENSG00000234073.1	0	0	1	0	0
## ENSG00000210181.1	0	0	0	0	0
## ENSG00000272334.1	0	1	2	3	1
## ENSG00000236165.1	2	1	1	1	0
## ENSG00000178567.8	2256	3013	2617	2781	2521
## ENSG00000076242.17	5116	5963	5712	6050	6035
## ENSG00000224858.5	75	66	73	78	146
## ENSG00000093167.18	2779	3334	3196	3261	3089
## ENSG00000206645.1	0	0	1	0	0
## ENSG00000225558.1	1	1	1	6	3
## ENSG00000199594.1	0	0	0	1	0
## ENSG00000224080.1	34	51	24	41	17
## ENSG00000290046.1	1	5	5	0	2
## ENSG00000271993.1	4	7	1	4	1
## ENSG00000231449.1	2	0	0	0	2
## ENSG00000271653.1	0	0	0	0	0
## ENSG00000270194.2	56	134	73	118	79
## ENSG00000144674.19	7089	10521	9258	11086	7263
## ENSG00000230409.3	148	223	146	210	141
## ENSG00000222208.1	0	0	0	0	0
## ENSG00000198590.12	4	19	23	17	15
## ENSG00000144668.12	851	1356	1115	1335	867
## ENSG00000239105.1	0	0	0	0	0
## ENSG00000235257.11	244	300	242	306	289
## ENSG00000235482.1	0	0	0	0	0
## ENSG00000236411.1	9	10	8	3	11
## ENSG00000288972.1	2	1	3	5	2
## ENSG00000144677.15	6714	7823	7353	7763	7348
## ENSG00000290076.1	1	1	0	5	0
## ENSG00000199075.1	0	0	0	0	0
## ENSG00000136059.16	435	411	484	434	513
## ENSG00000187091.14	3224	3559	3516	3647	4242
## ENSG00000200579.1	1	4	1	3	4
## ENSG00000008226.20	33	21	28	24	22
## ENSG00000231668.2	2	3	0	0	0
## ENSG00000060971.19	3788	4788	3996	4669	4708
## ENSG00000201965.1	0	0	0	0	0
## ENSG00000172936.18	2492	3201	2890	3334	3109
## ENSG00000172939.9	7566	9575	9130	10036	8369
## ENSG00000172940.13	2	3	1	1	0
## ENSG00000237982.1	0	0	0	0	0
## ENSG00000144671.11	8	6	4	7	4
## ENSG00000199514.1	0	0	0	0	0
## ENSG00000230123.1	0	0	0	0	0
## ENSG00000093217.11	374	373	422	389	250
## ENSG00000229589.1	269	335	308	339	350
## ENSG00000114739.14	8106	9755	10245	9640	8880
## ENSG00000157036.13	526	660	665	702	597
## ENSG00000207512.1	0	0	0	0	0
## ENSG00000230683.1	3	4	0	2	0
## ENSG00000232439.1	4	4	2	11	5
## ENSG00000183873.18	98	48	122	73	120
## ENSG00000185313.9	0	0	1	0	1

## ENSG00000231243.1	0	0	0	0	0
## ENSG00000168356.13	29	35	40	35	32
## ENSG00000206708.1	0	0	0	0	0
## ENSG00000114742.14	4576	5339	5126	5325	4458
## ENSG00000114745.15	2792	3178	3229	3387	3289
## ENSG00000168026.19	74	73	102	61	59
## ENSG00000284158.1	0	0	0	0	2
## ENSG00000144655.15	412	447	472	478	603
## ENSG00000284669.1	4	4	8	12	12
## ENSG00000283849.1	2	0	2	0	1
## ENSG00000214305.4	0	0	0	0	0
## ENSG00000287620.1	16	18	26	16	22
## ENSG00000168334.9	2	10	4	8	17
## ENSG00000287995.1	0	0	0	0	0
## ENSG00000215034.4	0	0	0	0	0
## ENSG00000287958.2	0	0	0	0	0
## ENSG00000168329.14	8	7	9	17	13
## ENSG00000270367.1	0	0	0	0	0
## ENSG00000287780.1	12	17	7	16	17
## ENSG00000179934.7	2	4	0	5	1
## ENSG00000228168.1	0	7	2	4	4
## ENSG00000238267.1	0	0	4	0	0
## ENSG00000223668.1	32	47	32	48	66
## ENSG00000144659.13	3457	4309	3762	4233	4134
## ENSG00000168028.15	128257	150702	138098	151850	180099
## ENSG00000206760.1	0	0	0	0	0
## ENSG00000202363.1	0	0	0	0	0
## ENSG00000286781.1	0	3	0	0	0
## ENSG00000168314.19	3	4	5	8	7
## ENSG00000285885.1	0	0	0	0	0
## ENSG00000289279.1	0	0	0	0	0
## ENSG00000230757.1	0	0	0	0	0
## ENSG00000170011.14	32	22	36	40	28
## ENSG00000201570.1	0	0	0	0	0
## ENSG00000280739.5	63	54	67	52	52
## ENSG00000265327.2	0	0	0	0	0
## ENSG00000202517.1	0	0	0	0	0
## ENSG00000114784.4	4085	5057	4736	4897	5175
## ENSG00000291315.1	0	0	0	0	0
## ENSG00000223797.8	93	94	71	88	82
## ENSG00000230274.1	0	0	2	0	0
## ENSG00000168032.10	47	21	67	27	40
## ENSG00000188846.14	60626	74509	73133	73118	88243
## ENSG00000177873.14	610	324	688	318	326
## ENSG00000177842.12	905	952	971	928	865
## ENSG00000199906.1	1	5	4	1	3
## ENSG00000172888.12	1844	2612	2369	2700	1942
## ENSG00000234067.1	0	1	0	0	0
## ENSG00000226845.1	0	0	0	1	0
## ENSG00000226302.1	1	0	0	0	1
## ENSG00000289169.1	0	0	0	0	0
## ENSG00000229072.1	0	0	0	0	1
## ENSG00000231873.2	0	0	0	0	0
## ENSG00000234287.1	30	36	34	35	48

## ENSG00000287415.1	0	0	0	0	0
## ENSG00000233096.1	0	0	0	1	0
## ENSG00000233919.1	0	0	0	5	0
## ENSG00000275256.1	0	0	0	0	0
## ENSG00000168036.18	45323	59442	50017	57179	54483
## ENSG00000168038.11	336	381	368	376	423
## ENSG00000252409.1	0	0	0	0	0
## ENSG00000222942.1	0	0	0	0	0
## ENSG00000223513.1	0	1	1	0	0
## ENSG00000251986.1	0	0	0	0	0
## ENSG00000212145.2	0	0	0	0	0
## ENSG00000234270.1	0	0	0	0	0
## ENSG00000235339.1	0	0	1	0	0
## ENSG00000182606.17	6755	8408	7866	9005	8136
## ENSG00000229339.1	0	0	0	0	0
## ENSG00000234562.1	0	3	0	0	0
## ENSG00000222872.1	0	0	1	2	1
## ENSG00000187094.12	42	10	39	12	27
## ENSG00000281160.2	0	0	0	0	0
## ENSG00000231280.1	0	0	0	0	0
## ENSG00000229572.1	0	0	0	0	0
## ENSG00000157093.9	0	2	2	1	1
## ENSG00000235787.1	1	0	0	0	0
## ENSG00000114812.13	57	84	59	83	81
## ENSG00000232354.8	4	6	5	6	9
## ENSG00000093183.14	3108	3513	3683	3462	3327
## ENSG00000008324.12	1453	1702	1460	1625	1705
## ENSG00000289558.2	1	3	9	10	3
## ENSG00000114857.19	2044	2876	2819	3446	2018
## ENSG00000230084.8	32	36	47	52	16
## ENSG00000114853.15	333	352	405	408	411
## ENSG00000287629.1	0	4	2	2	2
## ENSG00000240203.3	0	0	0	0	0
## ENSG00000157119.12	0	0	0	1	0
## ENSG00000010282.15	3	1	3	1	0
## ENSG00000285539.1	0	0	0	1	0
## ENSG00000230970.4	1	2	0	2	3
## ENSG00000244607.7	18	15	19	14	4
## ENSG00000280571.2	9	11	2	11	4
## ENSG00000287417.1	0	0	0	0	1
## ENSG00000173811.11	13	15	22	20	12
## ENSG00000225611.3	0	5	3	3	1
## ENSG00000181061.14	7820	12830	8790	11123	9843
## ENSG00000235288.3	0	1	2	0	0
## ENSG00000144648.16	28	45	26	38	35
## ENSG00000273328.5	4	7	2	8	0
## ENSG00000273291.5	0	0	0	0	0
## ENSG00000290317.1	0	2	0	0	0
## ENSG00000180432.6	2	2	2	2	4
## ENSG00000236459.1	1	0	5	2	2
## ENSG00000182983.15	21	42	38	48	47
## ENSG00000206552.4	0	0	0	0	0
## ENSG00000240747.9	0	0	0	0	0
## ENSG00000144649.10	115	59	104	62	79

## ENSG00000232375.1	1	0	0	1	1
## ENSG00000144647.7	1914	2181	2190	2235	2566
## ENSG00000227245.1	0	0	0	0	0
## ENSG00000285766.1	1	0	0	1	0
## ENSG00000163788.14	1728	2459	2078	2200	1870
## ENSG00000241939.3	0	0	0	1	0
## ENSG00000234617.2	6	3	5	4	5
## ENSG00000160746.13	3359	3935	3542	3735	3530
## ENSG00000251811.1	1	0	0	0	0
## ENSG00000223916.1	16	12	11	14	37
## ENSG00000011198.10	1435	1794	1593	1766	1544
## ENSG00000235886.1	0	0	0	0	0
## ENSG00000271192.1	1	1	0	0	0
## ENSG00000272121.1	22	10	22	8	26
## ENSG00000252980.1	0	0	0	0	0
## ENSG00000207954.1	0	0	0	0	0
## ENSG00000280435.1	18	25	13	18	14
## ENSG00000261786.1	76	66	67	80	65
## ENSG00000173769.4	0	0	0	0	0
## ENSG00000271937.1	2	0	1	0	0
## ENSG00000179152.20	1989	2968	2222	2677	2129
## ENSG00000293456.1	1	1	1	0	1
## ENSG00000225873.5	0	0	0	0	0
## ENSG00000283036.3	0	0	0	0	1
## ENSG00000185219.18	3517	4594	4475	4923	3885
## ENSG00000178917.18	460	649	656	674	446
## ENSG00000214825.2	0	0	0	0	0
## ENSG00000277509.1	0	0	0	0	0
## ENSG00000196345.13	811	979	860	947	854
## ENSG00000236869.3	30	35	26	35	18
## ENSG00000144792.9	764	927	897	919	714
## ENSG00000214820.3	86	112	154	116	135
## ENSG00000186448.15	3390	4321	3943	3925	3257
## ENSG00000233509.2	15	9	7	15	6
## ENSG00000169981.11	1383	1681	1521	1593	1562
## ENSG00000272077.1	126	170	145	197	157
## ENSG00000235805.1	0	1	0	1	0
## ENSG00000196653.12	513	516	532	515	472
## ENSG00000186446.12	503	596	519	543	529
## ENSG00000163807.6	3328	4194	3967	3980	3523
## ENSG00000163808.17	2889	3014	3359	3246	2905
## ENSG00000284498.1	0	0	0	0	0
## ENSG00000169964.8	461	590	560	595	565
## ENSG00000163810.13	1	6	9	5	10
## ENSG00000235845.1	0	0	0	0	0
## ENSG00000163812.16	6755	8333	7360	8357	8272
## ENSG00000227123.1	0	1	3	0	1
## ENSG00000075914.13	2992	3564	3693	3754	3881
## ENSG00000163815.6	0	1	4	4	3
## ENSG00000252410.1	0	0	0	0	0
## ENSG00000163814.8	2189	2664	2590	2444	2190
## ENSG00000224094.1	85	88	103	113	132
## ENSG00000249992.2	285	215	248	204	368
## ENSG00000202268.2	0	0	0	0	0

## ENSG00000011376.12	4496	5188	5163	5408	5085
## ENSG00000232455.2	0	1	0	0	1
## ENSG00000144791.10	1308	1758	1648	1871	1660
## ENSG00000230530.2	8	12	14	20	11
## ENSG00000211456.14	3316	4249	3955	4331	3529
## ENSG00000244357.3	0	0	0	0	0
## ENSG00000279017.1	0	0	1	0	0
## ENSG00000163817.17	2	4	1	6	4
## ENSG00000288720.2	5	2	4	7	2
## ENSG00000163818.20	1538	1894	1641	1656	1589
## ENSG00000285788.1	0	0	0	0	0
## ENSG00000236930.1	0	0	0	0	0
## ENSG00000173585.18	0	0	0	0	0
## ENSG00000201635.1	0	0	0	0	0
## ENSG00000163820.16	1462	1675	1829	1885	1571
## ENSG00000172215.6	7	11	6	13	10
## ENSG00000288717.1	2	3	6	0	3
## ENSG00000173578.9	0	0	0	0	1
## ENSG00000226933.1	0	0	1	0	1
## ENSG00000288703.1	0	0	0	0	0
## ENSG00000183625.16	4	27	8	14	11
## ENSG00000229515.1	0	0	0	0	0
## ENSG00000163823.4	14	18	7	12	7
## ENSG00000288724.1	0	0	0	0	0
## ENSG00000236736.1	0	0	0	0	0
## ENSG00000121807.7	1	0	0	0	0
## ENSG00000223552.3	1	3	1	5	1
## ENSG00000160791.14	0	0	0	0	1
## ENSG00000121797.10	10	20	22	17	13
## ENSG00000283646.2	0	0	1	0	0
## ENSG00000012223.13	27	39	56	44	41
## ENSG00000163825.5	5	1	4	1	2
## ENSG00000163827.14	34	58	83	62	46
## ENSG00000268324.2	3	2	0	0	2
## ENSG00000288718.1	1	7	5	3	3
## ENSG00000241186.10	14	8	23	18	19
## ENSG00000283877.1	0	0	0	0	0
## ENSG00000283473.5	0	0	0	0	2
## ENSG00000286570.1	1	1	0	0	1
## ENSG00000251967.1	0	0	0	0	0
## ENSG00000178038.17	495	686	585	821	579
## ENSG00000181585.7	38	47	38	62	46
## ENSG00000206549.13	1	1	2	2	1
## ENSG00000283706.2	0	0	0	0	0
## ENSG00000293416.1	0	0	1	1	1
## ENSG00000261603.4	1	0	0	0	0
## ENSG00000284672.1	17	21	11	13	17
## ENSG00000188086.16	0	0	6	0	0
## ENSG00000293417.1	6	6	2	8	5
## ENSG00000286651.3	0	0	0	0	0
## ENSG00000238013.1	0	0	0	0	0
## ENSG00000226074.6	14	7	13	8	14
## ENSG00000293418.1	0	0	0	0	0
## ENSG00000293419.1	0	0	1	1	0

## ENSG00000178055.14	0	0	0	1	1
## ENSG00000160808.12	831	1191	1181	1101	635
## ENSG00000160801.14	67	123	91	180	119
## ENSG00000273682.1	4	9	2	7	2
## ENSG00000160799.12	1847	2153	2078	2366	2500
## ENSG00000160796.18	8142	8521	9374	8516	8383
## ENSG00000293420.1	5	3	2	4	2
## ENSG00000236409.3	0	2	1	0	2
## ENSG00000181555.22	6857	8622	8268	9205	6668
## ENSG00000275940.1	1	0	1	0	0
## ENSG00000227398.6	305	306	363	360	358
## ENSG00000088727.14	802	956	927	907	1011
## ENSG00000239128.1	0	0	1	0	0
## ENSG00000114648.12	2545	2888	2899	3060	2780
## ENSG00000280173.1	246	283	274	283	259
## ENSG00000289507.1	97	114	97	93	124
## ENSG00000260236.2	26	33	26	43	30
## ENSG00000076201.16	4821	5364	5331	5268	6271
## ENSG00000114650.21	10711	11910	11353	12366	13534
## ENSG00000276925.1	3	4	3	3	4
## ENSG00000163832.16	1981	2375	2158	2470	2616
## ENSG00000271161.2	0	0	0	0	0
## ENSG00000293229.1	3	2	1	0	1
## ENSG00000244732.3	0	0	0	0	0
## ENSG00000114646.10	88	62	106	56	104
## ENSG00000173473.11	43822	50361	50013	47101	49160
## ENSG00000214773.1	2	3	3	1	0
## ENSG00000235695.1	0	1	0	0	1
## ENSG00000132153.15	9588	10025	10087	10774	11888
## ENSG00000274420.1	0	0	0	0	0
## ENSG00000221585.1	0	0	0	0	0
## ENSG00000047849.22	29023	33043	33852	31742	31401
## ENSG00000199591.1	0	0	0	0	0
## ENSG00000224895.1	0	0	1	0	0
## ENSG00000270285.1	0	0	0	0	0
## ENSG00000265078.2	0	1	0	0	0
## ENSG00000236768.1	3	1	3	4	0
## ENSG00000164045.12	4379	4789	4765	4760	5012
## ENSG00000235627.1	0	0	0	1	0
## ENSG00000253056.1	0	0	0	0	0
## ENSG00000231884.1	0	0	1	1	2
## ENSG00000265483.1	0	0	0	0	0
## ENSG00000164047.6	0	0	0	0	0
## ENSG00000164048.14	1542	1558	1792	1636	1445
## ENSG00000229759.1	0	1	3	9	3
## ENSG00000199476.1	14	10	2	9	8
## ENSG00000172113.10	2147	2767	2574	2856	2503
## ENSG00000228638.1	0	0	0	0	0
## ENSG00000289043.1	8	10	18	14	12
## ENSG00000229453.3	0	1	4	0	2
## ENSG00000252466.1	0	0	0	0	0
## ENSG00000164049.14	15	14	15	12	11
## ENSG00000277483.1	0	0	0	0	0
## ENSG00000164050.13	9983	12054	10548	12511	12599

## ENSG00000164051.14	1682	2114	1814	2148	2270
## ENSG00000232112.3	5141	6652	5530	7099	7049
## ENSG00000244380.1	0	0	0	0	1
## ENSG00000164053.22	1376	1423	1447	1448	1582
## ENSG00000213689.14	0	0	0	0	0
## ENSG00000164054.17	15476	18584	18737	19109	22444
## ENSG00000114268.12	1699	1406	2131	1727	2012
## ENSG00000278799.1	0	0	0	0	0
## ENSG00000145040.4	0	7	4	8	0
## ENSG00000114270.18	143	234	222	288	188
## ENSG00000284251.1	0	0	0	0	0
## ENSG00000010256.11	16122	17141	16864	16873	21242
## ENSG00000183396.4	0	1	1	1	0
## ENSG00000225697.13	1508	1829	1809	1853	2061
## ENSG00000284364.1	0	0	0	0	0
## ENSG00000008300.17	2429	1990	2842	2120	2210
## ENSG00000284575.1	2	0	1	0	0
## ENSG00000228350.1	12	12	9	13	7
## ENSG00000271973.1	4	4	6	4	3
## ENSG00000213672.8	1599	1590	1826	1740	2070
## ENSG00000068745.15	6770	9277	7926	9762	8768
## ENSG00000114302.17	7554	9061	8480	8589	7878
## ENSG00000224424.8	35	38	40	45	36
## ENSG00000178537.10	745	912	822	952	944
## ENSG00000221883.4	22	31	37	28	32
## ENSG00000177479.20	6073	7400	7034	7646	7056
## ENSG00000235236.1	1	8	3	5	4
## ENSG00000223343.1	12	1	3	1	14
## ENSG00000273211.1	0	0	0	0	0
## ENSG00000178467.18	1637	1566	1809	1758	2230
## ENSG00000285416.1	13	9	15	13	15
## ENSG00000178252.19	11271	12317	12424	12836	13330
## ENSG00000178149.17	1593	1617	1594	1512	1997
## ENSG00000199032.1	1	0	1	0	0
## ENSG00000178057.15	2124	2306	2385	2264	3173
## ENSG00000207605.3	0	1	0	0	0
## ENSG00000178035.13	141	177	188	189	194
## ENSG00000290315.1	2	4	1	0	0
## ENSG00000272434.1	0	0	0	0	0
## ENSG00000198218.12	38	74	69	106	45
## ENSG00000241461.3	0	2	0	0	0
## ENSG00000172053.18	20959	24036	22570	23206	25195
## ENSG00000284488.1	0	0	0	0	0
## ENSG00000172046.21	4935	5618	5476	5949	6122
## ENSG00000172037.14	8756	14311	9873	14846	13630
## ENSG00000270441.1	27	42	34	52	31
## ENSG00000177352.10	2283	2723	2356	2839	3283
## ENSG00000185909.15	2131	2410	2311	2317	2849
## ENSG00000236980.10	0	0	0	0	0
## ENSG00000173421.17	1	3	0	1	0
## ENSG00000270538.1	0	1	0	1	0
## ENSG00000225399.4	1	0	0	1	1
## ENSG00000188315.8	197	261	258	312	271
## ENSG00000199546.1	0	0	0	0	0

## ENSG00000264633.1	0	0	0	0	0
## ENSG00000114316.13	4427	4532	4795	4614	4854
## ENSG00000233276.9	3596	4318	3386	4229	5444
## ENSG00000290318.1	1	0	3	3	2
## ENSG00000067560.14	26123	34084	30490	30149	34350
## ENSG00000235908.1	0	1	0	1	2
## ENSG00000145022.5	1151	1092	1075	1080	1270
## ENSG00000283189.2	1	0	0	0	0
## ENSG00000145020.16	14	6	15	12	12
## ENSG00000145029.15	0	0	0	0	0
## ENSG00000201301.1	0	0	0	0	0
## ENSG00000173402.13	25181	31766	29401	32177	31166
## ENSG00000226913.2	3	3	1	5	1
## ENSG00000164061.5	371	251	423	274	307
## ENSG00000235120.1	0	0	0	0	0
## ENSG00000164062.13	16047	18419	17646	18653	20671
## ENSG00000173531.16	119	176	243	260	168
## ENSG00000259970.1	0	0	0	0	0
## ENSG00000164068.16	2061	2338	2298	2360	2498
## ENSG00000176020.9	0	1	0	0	0
## ENSG00000173540.14	1885	2122	2105	2299	2591
## ENSG00000176095.12	5484	6414	5989	6209	6856
## ENSG00000239576.1	0	0	0	0	0
## ENSG00000244730.1	0	0	0	0	0
## ENSG00000187492.9	0	0	0	0	0
## ENSG00000185614.7	4	4	1	8	3
## ENSG00000182179.13	5	11	6	29	17
## ENSG00000283726.1	0	0	0	0	0
## ENSG00000183763.9	577	595	605	675	725
## ENSG00000164076.17	76	42	101	55	96
## ENSG00000264706.2	0	0	0	0	0
## ENSG00000234667.2	0	2	1	0	2
## ENSG00000164078.14	59	36	50	40	51
## ENSG00000230698.1	0	0	0	0	0
## ENSG00000228008.1	0	0	5	0	2
## ENSG00000164077.15	468	496	485	406	622
## ENSG00000004534.15	4869	5874	5876	6126	5097
## ENSG00000003756.17	3176	4044	3707	4657	3481
## ENSG00000281691.1	1	10	0	9	1
## ENSG00000235016.1	7	10	17	22	11
## ENSG00000001617.12	1924	1523	2163	1596	2672
## ENSG00000207922.1	0	0	0	0	0
## ENSG00000114349.10	2	1	0	0	1
## ENSG00000188338.15	370	257	451	259	352
## ENSG00000114353.17	14630	15202	16069	14768	18240
## ENSG00000275334.1	0	0	0	0	0
## ENSG00000213600.3	4	0	0	3	0
## ENSG00000230454.1	17	16	20	25	24
## ENSG00000232352.3	8	10	10	13	11
## ENSG00000012171.20	1983	2357	2196	2371	2531
## ENSG00000283848.1	0	0	0	0	0
## ENSG00000179564.4	2	6	5	3	5
## ENSG00000214706.12	3322	3695	3458	3712	4633
## ENSG00000186792.17	240	316	265	270	336

## ENSG00000243477.6	272	262	313	285	393
## ENSG00000114378.17	747	1102	888	1134	868
## ENSG00000068001.14	4901	5690	5229	6231	6897
## ENSG00000114383.10	2298	2706	2751	2969	3219
## ENSG00000068028.18	595	723	647	805	669
## ENSG00000281358.1	1	0	0	0	1
## ENSG00000235058.1	0	0	0	0	0
## ENSG00000004838.14	81	63	69	41	84
## ENSG00000114388.14	1088	1220	1139	1289	1413
## ENSG00000114395.11	564	701	621	681	796
## ENSG00000272104.1	0	0	0	0	0
## ENSG00000126062.4	3498	3896	3334	3671	4560
## ENSG00000007402.12	511	407	652	477	576
## ENSG00000271858.5	4	3	6	2	8
## ENSG00000202322.1	0	0	0	0	0
## ENSG00000088543.15	626	631	778	651	801
## ENSG00000114735.10	702	866	713	834	892
## ENSG00000280382.1	0	0	0	0	0
## ENSG00000114737.16	400	465	421	456	558
## ENSG00000114738.11	6255	7157	6781	7256	8100
## ENSG00000289504.1	47	45	49	60	45
## ENSG00000273356.1	16	21	13	22	28
## ENSG00000088538.13	174	170	190	227	167
## ENSG00000272543.1	0	0	0	0	0
## ENSG00000228337.1	0	0	0	0	0
## ENSG00000213587.3	0	0	2	2	1
## ENSG00000235278.2	0	0	0	0	0
## ENSG00000240959.1	0	0	0	0	0
## ENSG00000288988.1	8	7	5	5	6
## ENSG00000145050.19	7198	9437	8057	10093	9933
## ENSG00000259956.2	12551	14166	14084	14185	14996
## ENSG00000145041.17	3897	4523	4610	4766	4058
## ENSG00000164080.14	4398	5667	5428	5766	5203
## ENSG00000221015.1	0	0	0	0	0
## ENSG00000164081.13	2653	3025	2786	3098	3763
## ENSG00000288063.1	1	2	5	4	1
## ENSG00000201595.1	0	0	0	1	0
## ENSG00000164082.15	7	11	6	3	4
## ENSG00000214686.7	1	0	0	0	0
## ENSG00000285749.3	0	0	0	0	0
## ENSG00000293437.1	0	0	0	0	0
## ENSG00000224792.8	0	0	0	0	0
## ENSG00000229972.10	0	0	0	0	0
## ENSG00000184345.5	0	0	0	0	1
## ENSG00000241789.3	0	0	0	0	0
## ENSG00000235455.1	0	0	0	0	0
## ENSG00000214681.4	0	0	0	0	0
## ENSG00000173389.16	0	0	0	0	0
## ENSG00000287707.1	6	12	7	17	1
## ENSG00000114767.7	3006	3196	3095	3306	4236
## ENSG00000041880.15	207	209	217	218	251
## ENSG00000280422.1	6	16	10	13	12
## ENSG00000180929.6	5	5	3	9	6
## ENSG00000090097.22	7358	7395	7545	7311	9801

## ENSG00000272762.5	0	0	0	0	0
## ENSG00000114779.20	573	691	719	683	722
## ENSG00000248487.10	264	248	313	268	401
## ENSG00000114786.16	4	1	1	3	9
## ENSG00000243989.9	70	62	49	59	96
## ENSG00000162244.12	75857	87624	81531	90695	117178
## ENSG00000285685.1	0	0	0	0	0
## ENSG00000164086.10	1388	1566	1606	1638	1759
## ENSG00000164087.8	2010	2201	2134	2210	2621
## ENSG00000286419.1	0	0	0	0	0
## ENSG00000242849.2	0	1	0	0	0
## ENSG00000023330.15	3747	4345	4237	4695	4666
## ENSG00000280003.1	0	1	1	1	1
## ENSG00000239732.4	0	0	0	0	0
## ENSG00000173366.11	0	0	0	0	0
## ENSG00000247596.10	2218	2879	2344	2819	3257
## ENSG00000243224.2	22	18	15	27	20
## ENSG00000164088.18	551	578	537	557	638
## ENSG00000164091.12	17288	21991	21192	23206	19892
## ENSG00000199150.3	1	0	2	3	0
## ENSG00000168237.18	714	852	841	1004	907
## ENSG00000242797.3	3	5	10	3	5
## ENSG00000207926.1	0	0	0	0	0
## ENSG00000114841.18	121	195	177	269	117
## ENSG00000239557.1	3	8	7	8	6
## ENSG00000163930.10	7181	8308	7886	8334	8989
## ENSG00000010318.22	138	135	144	163	145
## ENSG00000010319.7	25	20	30	13	31
## ENSG00000114854.8	1902	2820	1957	2789	2665
## ENSG00000010322.16	8879	9427	10138	10070	10265
## ENSG00000010327.10	20	10	14	26	22
## ENSG00000168268.11	21112	21396	22342	21036	29161
## ENSG00000168273.8	346	426	405	472	622
## ENSG00000163939.19	8453	10673	9836	10528	8194
## ENSG00000252768.1	3	0	3	1	2
## ENSG00000221518.1	3	3	3	4	2
## ENSG00000163938.17	9727	11504	11375	12494	10793
## ENSG00000280904.1	0	0	0	0	0
## ENSG00000252787.2	0	0	0	0	0
## ENSG00000212493.1	6	2	0	6	2
## ENSG00000238862.1	0	0	0	0	0
## ENSG00000222345.1	1	15	12	12	9
## ENSG00000212452.1	3	5	9	5	5
## ENSG00000016864.19	4122	5083	5198	5208	5082
## ENSG00000114902.14	5288	6505	6145	6254	7189
## ENSG00000114904.13	2012	2539	2503	2532	2151
## ENSG00000275956.1	7	9	16	18	10
## ENSG00000270941.1	0	2	0	0	0
## ENSG00000271137.1	0	0	1	0	0
## ENSG00000055957.11	12	12	9	12	8
## ENSG00000162267.14	6	17	7	10	15
## ENSG00000055955.17	3	1	3	10	1
## ENSG00000243696.5	3	8	6	10	3
## ENSG00000239799.1	0	0	0	0	0

## ENSG00000272573.6	2	2	1	2	1
## ENSG00000248592.7	3	10	7	10	5
## ENSG00000213533.13	97	132	111	128	127
## ENSG00000275789.1	0	0	0	0	0
## ENSG00000279144.1	4	3	2	3	6
## ENSG00000289519.1	51	34	59	57	49
## ENSG00000163935.14	944	936	1123	991	1002
## ENSG00000272305.5	11	22	15	16	25
## ENSG00000280417.1	13	9	8	8	11
## ENSG00000242142.1	0	1	3	4	2
## ENSG00000163933.10	3014	3879	3329	3654	3727
## ENSG00000163932.16	4334	4941	4996	5151	5343
## ENSG00000286531.1	0	0	0	0	0
## ENSG00000163931.17	36383	41252	39175	39762	49644
## ENSG00000272886.6	3273	4387	4264	4875	3563
## ENSG00000274967.1	0	1	0	0	1
## ENSG00000157388.20	82	79	114	118	68
## ENSG00000207109.1	0	0	0	0	0
## ENSG00000212608.1	0	0	0	0	0
## ENSG00000227224.1	0	0	0	0	0
## ENSG00000251987.1	0	0	0	0	0
## ENSG00000271916.1	4	2	3	1	0
## ENSG00000016391.11	1099	1361	1326	1554	1221
## ENSG00000056736.10	523	544	595	616	525
## ENSG00000271976.1	340	381	344	393	377
## ENSG00000113812.14	2761	3321	3233	3538	2926
## ENSG00000113811.12	2552	3353	2934	3665	3171
## ENSG00000289063.2	0	0	1	0	2
## ENSG00000288029.1	0	0	0	1	1
## ENSG00000242983.1	0	0	0	0	0
## ENSG00000286353.1	1	0	6	4	3
## ENSG00000157445.16	234	140	314	163	213
## ENSG00000229806.1	1	2	2	2	6
## ENSG00000265992.1	0	1	0	2	0
## ENSG00000243715.1	0	0	0	0	0
## ENSG00000144771.8	16	12	6	13	14
## ENSG00000239991.1	0	0	0	0	0
## ENSG00000243572.1	0	0	0	0	0
## ENSG00000240708.2	0	0	0	0	0
## ENSG00000242568.1	0	0	0	0	0
## ENSG00000242775.1	0	0	0	0	0
## ENSG00000114251.15	1716	2551	3144	3304	1964
## ENSG00000244586.1	57	74	93	100	50
## ENSG00000242317.1	0	0	0	0	0
## ENSG00000187672.15	440	531	490	507	395
## ENSG00000240777.2	0	0	0	0	0
## ENSG00000281708.1	0	0	1	0	1
## ENSG00000264013.1	0	0	0	0	0
## ENSG00000200379.1	0	0	0	0	0
## ENSG00000200238.1	0	0	0	0	0
## ENSG00000180376.17	985	1186	1212	1251	948
## ENSG00000163946.14	5295	6907	6471	6804	5255
## ENSG00000163947.12	1633	2321	2003	2281	2204
## ENSG00000240198.5	0	0	0	0	0

## ENSG00000186451.2	26	35	24	28	29
## ENSG00000272202.1	2	3	4	4	6
## ENSG00000144730.19	2695	3304	3489	3322	2850
## ENSG00000229863.1	1	1	0	0	1
## ENSG00000163666.10	19	39	37	38	20
## ENSG00000157500.12	4950	6671	6023	6274	5131
## ENSG00000239388.10	19	39	35	27	21
## ENSG00000286952.1	2	2	0	0	1
## ENSG00000174844.15	32	34	35	41	30
## ENSG00000212392.1	0	0	0	0	0
## ENSG00000206918.1	0	0	0	0	0
## ENSG00000239831.1	2	3	1	3	3
## ENSG00000237186.1	0	0	1	1	0
## ENSG00000202428.1	0	0	0	0	0
## ENSG00000206815.1	0	0	0	0	0
## ENSG00000287502.1	0	0	0	1	2
## ENSG00000174840.9	1886	3157	2293	2915	2793
## ENSG00000168374.11	18068	25709	21260	23273	22300
## ENSG00000272146.6	6	10	12	6	8
## ENSG00000210841.1	0	0	0	0	0
## ENSG00000174839.13	2586	3679	3175	3053	2751
## ENSG00000239801.1	0	0	1	1	0
## ENSG00000241933.1	2	2	0	0	1
## ENSG00000163681.17	3523	4629	4164	4748	3719
## ENSG00000270772.1	0	0	1	0	0
## ENSG00000213509.4	1	2	2	1	5
## ENSG00000136068.16	107111	145075	119318	131497	116402
## ENSG00000244161.1	34	54	58	54	34
## ENSG00000283148.1	0	1	0	7	3
## ENSG00000283511.2	1	0	3	3	3
## ENSG00000293432.1	4	3	2	3	3
## ENSG00000163687.14	0	0	0	1	0
## ENSG00000163686.15	891	1069	1039	1111	1022
## ENSG00000163684.12	645	974	886	976	829
## ENSG00000255154.9	6	3	5	3	3
## ENSG00000273493.1	0	1	1	3	2
## ENSG00000168297.16	727	880	933	945	789
## ENSG00000275607.1	0	0	0	0	0
## ENSG00000168291.13	4816	5967	5337	5927	5508
## ENSG00000272182.1	2	0	0	0	1
## ENSG00000272360.2	9	4	5	5	5
## ENSG00000168301.13	685	1008	803	860	825
## ENSG00000168306.13	235	313	289	317	234
## ENSG00000236722.1	0	0	0	2	2
## ENSG00000168309.18	0	2	2	0	0
## ENSG00000243384.1	3	0	0	0	1
## ENSG00000244383.2	1	1	2	4	1
## ENSG00000198643.7	0	0	1	1	1
## ENSG00000163689.21	439	401	478	398	428
## ENSG00000242428.6	0	0	0	0	1
## ENSG00000243295.2	0	0	0	0	0
## ENSG00000243903.1	0	0	0	0	0
## ENSG00000242545.1	0	0	0	0	0
## ENSG00000241804.1	0	0	0	0	0

## ENSG00000277592.1	0	0	0	0	0
## ENSG00000189283.11	392	523	517	509	515
## ENSG00000287649.1	1	2	2	0	0
## ENSG00000240097.1	0	0	0	0	0
## ENSG00000281426.1	0	0	0	0	0
## ENSG00000232407.3	0	2	2	0	2
## ENSG00000225673.3	0	0	0	0	0
## ENSG00000244183.1	0	0	0	0	0
## ENSG00000212211.2	0	0	0	0	0
## ENSG00000144724.20	5639	7749	7045	7966	6530
## ENSG00000252420.1	0	0	0	0	0
## ENSG00000226360.5	265	320	236	371	373
## ENSG00000252184.1	1	0	0	0	0
## ENSG00000237456.3	1	1	4	6	6
## ENSG00000241472.8	147	176	184	127	147
## ENSG00000114405.11	620	665	678	634	614
## ENSG00000153266.13	0	0	0	0	0
## ENSG00000163618.18	1872	1264	2146	1249	1540
## ENSG00000225662.2	0	0	0	0	0
## ENSG00000244632.3	0	0	0	0	0
## ENSG00000252449.1	0	0	0	0	0
## ENSG00000226082.2	3	2	1	4	1
## ENSG00000244342.5	1	0	1	0	0
## ENSG00000242841.1	20	20	10	9	28
## ENSG00000240359.1	0	0	0	0	0
## ENSG00000163630.11	33	33	37	33	29
## ENSG00000241359.1	37	82	70	106	51
## ENSG00000252301.1	0	0	0	0	0
## ENSG00000188817.8	4	8	6	16	6
## ENSG00000224479.7	1	0	0	2	2
## ENSG00000293415.1	2	0	2	3	5
## ENSG00000163632.15	11	12	4	12	4
## ENSG00000163634.12	3433	4281	3811	3943	3994
## ENSG00000240549.2	2	0	1	1	2
## ENSG00000163635.20	1374	1899	1772	1766	1401
## ENSG00000280620.1	0	1	2	3	1
## ENSG00000239653.1	11	29	29	22	20
## ENSG00000271843.1	13	11	23	12	24
## ENSG00000163636.11	7509	8604	8209	8014	8668
## ENSG00000243410.1	0	0	0	0	0
## ENSG00000272181.1	0	4	0	0	2
## ENSG00000241111.1	1	1	0	1	1
## ENSG00000200222.2	0	0	0	0	0
## ENSG00000189196.4	3	0	2	5	1
## ENSG00000163637.13	1390	1168	1684	1320	1319
## ENSG00000241572.1	0	0	0	0	0
## ENSG00000241101.1	0	0	0	0	0
## ENSG00000239926.1	0	1	0	3	1
## ENSG00000226017.2	1	1	0	1	0
## ENSG00000244564.2	0	1	0	0	0
## ENSG00000212340.1	0	0	0	0	0
## ENSG00000163638.13	7660	6323	9182	5929	5503
## ENSG00000241158.7	124	117	134	70	98
## ENSG00000241684.8	34	36	35	22	18

## ENSG00000243149.2	0	0	0	0	0
## ENSG00000151276.24	11230	15793	13329	15429	11675
## ENSG00000270059.1	17	17	22	14	11
## ENSG00000244226.1	4	3	3	4	3
## ENSG00000223409.1	0	2	0	0	0
## ENSG00000272610.1	3	14	7	11	12
## ENSG00000240175.1	0	1	1	1	0
## ENSG00000202071.1	0	0	0	1	0
## ENSG00000203647.2	0	0	0	0	0
## ENSG00000144741.19	1844	2194	1924	2192	2106
## ENSG00000206759.1	0	0	0	0	0
## ENSG00000241587.3	0	0	0	0	0
## ENSG00000144749.14	537	540	647	581	642
## ENSG00000271174.1	0	0	0	0	0
## ENSG00000214560.4	0	0	0	0	0
## ENSG00000288039.1	0	0	0	1	0
## ENSG00000285738.1	0	0	0	0	0
## ENSG00000287873.1	0	0	0	0	0
## ENSG00000163376.11	683	710	753	694	714
## ENSG00000283298.1	0	0	0	0	0
## ENSG00000241884.2	0	0	0	0	0
## ENSG00000172340.15	5473	7821	6668	7160	6084
## ENSG00000242510.1	19	9	9	4	16
## ENSG00000241316.8	162	218	190	196	159
## ENSG00000183662.12	1	2	1	1	0
## ENSG00000214552.4	2	5	7	4	5
## ENSG00000240568.1	0	0	0	0	0
## ENSG00000286967.1	0	0	0	0	0
## ENSG00000244640.1	0	0	0	0	0
## ENSG00000241506.1	115	102	117	134	120
## ENSG00000163377.16	28	19	24	13	19
## ENSG00000252828.1	0	0	0	0	0
## ENSG00000163378.14	548	701	684	833	567
## ENSG00000244513.7	12	20	25	15	9
## ENSG00000144747.17	2513	3434	2966	3380	2550
## ENSG00000265355.1	1	0	0	0	0
## ENSG00000144744.18	3497	5273	4088	4732	4285
## ENSG00000144746.7	5304	6445	6059	5703	6283
## ENSG00000163380.16	4	3	8	2	9
## ENSG00000114541.15	2671	3427	3355	3402	2765
## ENSG00000239263.1	0	0	0	0	0
## ENSG00000240265.1	0	0	0	0	0
## ENSG00000240842.2	0	0	0	0	0
## ENSG00000241667.1	0	0	0	0	0
## ENSG00000187098.18	705	755	946	913	811
## ENSG00000241665.3	0	0	0	0	0
## ENSG00000240405.7	4	7	1	4	2
## ENSG00000271034.1	0	0	1	0	0
## ENSG00000242728.1	0	0	2	0	0
## ENSG00000242120.4	0	0	0	0	0
## ENSG00000288679.1	0	0	0	0	0
## ENSG00000287669.1	0	0	0	0	0
## ENSG00000240156.1	0	0	0	1	0
## ENSG00000243873.1	0	0	0	0	0

## ENSG00000206939.1	0	0	0	0	0
## ENSG00000114861.24	3739	4144	4483	3652	4396
## ENSG00000285708.1	0	0	0	0	0
## ENSG00000244203.2	1	0	1	1	2
## ENSG00000290077.1	0	1	0	0	1
## ENSG00000221264.1	0	0	0	0	0
## ENSG00000274387.1	0	0	0	2	0
## ENSG00000242094.1	3	4	0	0	6
## ENSG00000277855.1	0	4	2	3	5
## ENSG00000270562.1	13	16	21	12	5
## ENSG00000163412.13	1873	2511	2524	2653	2316
## ENSG00000170837.3	544	627	688	666	717
## ENSG00000163421.9	0	0	1	0	0
## ENSG00000287131.1	0	0	0	0	0
## ENSG00000239250.3	0	0	0	0	0
## ENSG00000241163.10	20	10	17	21	14
## ENSG00000244130.1	1	1	0	0	1
## ENSG00000273461.5	0	0	0	0	0
## ENSG00000276471.1	0	0	0	0	0
## ENSG00000239350.2	0	0	0	0	0
## ENSG00000242609.1	0	0	0	0	0
## ENSG00000243083.8	8	7	5	8	7
## ENSG00000272774.1	0	0	0	0	0
## ENSG00000242618.2	0	0	0	0	0
## ENSG00000287882.1	0	0	0	0	0
## ENSG00000260670.1	0	0	0	0	0
## ENSG00000163602.12	5312	6656	6579	6078	5360
## ENSG00000244345.1	0	0	2	0	0
## ENSG00000199469.1	0	0	0	0	0
## ENSG00000239568.1	0	0	0	0	0
## ENSG00000222838.1	0	0	0	0	0
## ENSG00000287595.3	1	7	2	2	2
## ENSG00000144736.14	2191	2741	2581	2337	2529
## ENSG00000241537.1	0	0	1	1	2
## ENSG00000240135.1	2	2	0	1	2
## ENSG00000271266.1	1	13	5	6	12
## ENSG00000172986.13	683	1133	902	1011	693
## ENSG00000276890.1	0	0	0	0	0
## ENSG00000242960.1	12	17	21	16	30
## ENSG00000163605.16	10079	14064	12004	12342	9958
## ENSG00000238959.1	0	0	0	0	0
## ENSG00000255423.1	16	38	45	63	33
## ENSG00000252651.1	0	0	0	0	0
## ENSG00000223247.1	0	0	0	0	0
## ENSG00000182921.9	2	0	0	0	0
## ENSG00000252937.1	0	0	0	0	0
## ENSG00000121440.15	1109	838	1237	920	1065
## ENSG00000239119.1	0	0	0	0	0
## ENSG00000239677.6	0	0	0	1	0
## ENSG00000278934.1	23	15	20	11	21
## ENSG00000242364.1	0	0	0	0	0
## ENSG00000242741.2	0	0	0	0	0
## ENSG00000278554.1	0	0	0	0	0
## ENSG00000239454.1	0	0	0	0	0

## ENSG00000223738.3	0	0	0	0	0
## ENSG00000213452.4	2	0	0	0	3
## ENSG00000113805.9	453	582	633	583	536
## ENSG00000241022.1	0	0	0	0	0
## ENSG00000242638.3	0	0	0	0	0
## ENSG00000266780.1	0	0	0	0	0
## ENSG00000287398.1	0	0	0	0	0
## ENSG00000213300.5	83	108	131	111	126
## ENSG00000228868.3	1	0	0	1	1
## ENSG00000243674.1	0	0	0	0	1
## ENSG00000291222.1	0	0	0	0	0
## ENSG00000179799.10	0	0	0	0	0
## ENSG00000230655.3	0	0	0	0	0
## ENSG00000244699.1	4	4	4	2	3
## ENSG00000240665.1	1	4	0	3	0
## ENSG00000242953.1	1	4	3	2	2
## ENSG00000291223.1	834	968	942	926	1018
## ENSG00000238278.3	172	145	135	149	149
## ENSG00000244026.9	0	0	0	0	0
## ENSG00000272690.6	42	56	45	49	51
## ENSG00000239959.1	2	0	2	2	0
## ENSG00000243794.1	0	0	0	0	0
## ENSG00000290410.1	0	0	1	1	1
## ENSG00000244674.1	1	0	0	0	2
## ENSG00000272710.3	3	2	4	4	3
## ENSG00000239383.1	0	0	0	0	0
## ENSG00000244222.2	0	0	0	0	0
## ENSG00000172971.7	0	0	2	3	0
## ENSG00000293315.1	11	7	9	4	9
## ENSG00000243422.5	0	0	0	0	0
## ENSG00000282912.1	0	0	0	0	0
## ENSG00000282511.1	1	0	0	1	0
## ENSG00000283894.1	0	0	0	2	0
## ENSG00000241532.1	1	4	1	1	1
## ENSG00000241622.1	7	3	3	8	6
## ENSG00000172969.8	0	8	4	4	11
## ENSG00000236138.4	2	2	1	2	1
## ENSG00000242516.4	534	682	636	688	607
## ENSG00000227124.11	160	564	189	613	437
## ENSG00000266396.1	0	0	0	0	0
## ENSG00000185008.19	1720	1687	2047	1501	1697
## ENSG00000222883.1	0	0	0	0	0
## ENSG00000240809.1	10	19	14	19	18
## ENSG00000288793.1	0	0	0	0	0
## ENSG00000199520.1	0	0	0	0	0
## ENSG00000213450.4	2	0	1	0	0
## ENSG00000287567.1	0	0	0	1	2
## ENSG00000206891.1	0	0	0	0	0
## ENSG00000244461.1	0	0	0	0	0
## ENSG00000240573.1	0	0	0	0	0
## ENSG00000243957.3	0	0	0	0	0
## ENSG00000222574.1	0	0	0	0	0
## ENSG00000240241.5	0	0	0	0	0
## ENSG00000239226.1	0	0	0	0	0

## ENSG00000169855.21	12646	16313	14019	15820	13520
## ENSG00000240752.1	0	0	0	0	0
## ENSG00000240964.3	8	6	4	6	8
## ENSG00000288105.1	0	0	0	0	0
## ENSG00000265193.1	0	0	0	0	0
## ENSG00000243877.1	0	0	0	0	0
## ENSG00000271389.1	0	0	0	0	0
## ENSG00000239699.1	0	0	0	0	0
## ENSG00000242586.1	0	0	0	0	0
## ENSG00000286329.2	105	200	133	209	159
## ENSG00000242828.1	33	30	45	39	32
## ENSG00000242781.2	7	23	11	30	10
## ENSG00000243694.5	13	25	18	31	13
## ENSG00000242145.1	0	0	0	0	0
## ENSG00000241593.5	0	1	0	1	0
## ENSG00000287053.1	0	0	0	0	0
## ENSG00000244281.1	0	0	0	0	0
## ENSG00000114480.13	1913	2801	2418	2777	2547
## ENSG00000222389.1	0	0	0	0	0
## ENSG00000241319.1	0	0	0	0	0
## ENSG00000240404.2	0	0	0	0	0
## ENSG00000242190.1	0	0	1	0	3
## ENSG00000242009.2	0	0	0	0	0
## ENSG00000239440.6	1	0	0	0	1
## ENSG00000241367.1	0	0	0	0	0
## ENSG00000241095.1	13	4	10	11	8
## ENSG00000288004.1	0	0	0	0	0
## ENSG00000286567.1	0	0	0	0	0
## ENSG00000242195.1	1	0	0	0	0
## ENSG00000287158.3	0	0	0	0	0
## ENSG00000242641.6	0	0	0	0	0
## ENSG00000241776.1	0	0	0	0	0
## ENSG00000242339.2	0	0	1	2	0
## ENSG00000287273.1	0	0	0	0	0
## ENSG00000175161.14	1367	1132	1801	900	1190
## ENSG00000264084.1	0	0	0	0	0
## ENSG00000241648.1	0	0	0	0	0
## ENSG00000239519.1	1	2	0	2	0
## ENSG00000243915.1	2	2	4	1	2
## ENSG00000201410.1	0	0	0	0	0
## ENSG00000251773.1	0	0	0	0	0
## ENSG00000239767.2	0	0	0	0	0
## ENSG00000222934.1	0	0	0	0	0
## ENSG00000241328.1	0	0	0	0	0
## ENSG00000277746.1	0	0	0	0	0
## ENSG00000206538.9	811	1098	973	830	768
## ENSG00000241293.1	5	7	7	3	7
## ENSG00000281392.3	1	0	1	0	1
## ENSG00000264119.1	0	0	0	2	1
## ENSG00000083937.10	4091	6404	5041	5501	4889
## ENSG00000064835.12	1	0	3	2	3
## ENSG00000239829.1	0	0	0	1	0
## ENSG00000240902.1	2	1	2	0	4
## ENSG00000240255.1	0	0	0	1	0

## ENSG00000239572.3	0	2	1	2	1
## ENSG00000200703.1	0	0	0	0	0
## ENSG00000179097.7	5	2	7	3	4
## ENSG00000221059.1	0	0	0	0	0
## ENSG00000288780.1	0	0	0	0	0
## ENSG00000163320.12	5307	7534	6689	7038	5799
## ENSG00000288654.1	0	0	0	0	0
## ENSG00000175105.8	924	1439	1138	1311	1041
## ENSG00000241535.1	3	0	5	1	1
## ENSG00000179021.10	2248	3190	2557	2900	2821
## ENSG00000242159.1	1	2	2	2	4
## ENSG00000283434.2	0	0	0	0	0
## ENSG00000207316.1	0	0	0	0	0
## ENSG00000242365.1	0	0	0	0	0
## ENSG00000242705.1	1	0	1	0	0
## ENSG00000241861.2	0	0	0	0	0
## ENSG00000044524.11	26	30	32	64	52
## ENSG00000285780.2	0	0	0	0	0
## ENSG00000240951.1	0	0	0	0	0
## ENSG00000240309.1	0	0	0	0	0
## ENSG00000212598.2	0	0	0	0	0
## ENSG00000222490.1	0	0	0	0	0
## ENSG00000189002.10	2	1	1	1	2
## ENSG00000271024.1	0	0	0	0	0
## ENSG00000283367.1	0	0	0	0	0
## ENSG00000283544.1	0	2	1	3	1
## ENSG00000251727.1	0	0	0	0	0
## ENSG00000184500.16	1598	2585	2255	2598	2023
## ENSG00000201339.1	0	0	0	0	0
## ENSG00000200366.1	0	0	0	0	0
## ENSG00000169379.17	931	1164	1181	1178	1005
## ENSG00000239614.1	0	0	0	0	0
## ENSG00000178750.3	2	2	7	4	4
## ENSG00000178700.9	489	568	539	513	479
## ENSG00000178694.10	957	1224	1151	1188	978
## ENSG00000242457.1	15	15	21	15	16
## ENSG00000178660.6	24	29	27	12	21
## ENSG00000242911.1	0	0	0	0	0
## ENSG00000234629.1	1	3	2	3	1
## ENSG00000239589.7	0	0	0	0	0
## ENSG00000244048.1	0	1	2	2	5
## ENSG00000293294.1	0	2	0	0	0
## ENSG00000244681.2	0	0	0	0	0
## ENSG00000286516.1	0	0	0	0	0
## ENSG00000271671.1	0	0	0	0	0
## ENSG00000243547.1	234	258	292	290	313
## ENSG00000278103.1	0	0	0	0	0
## ENSG00000241815.1	0	0	0	0	0
## ENSG00000199286.1	0	0	0	0	0
## ENSG00000218754.4	0	0	0	0	0
## ENSG00000241018.1	5	5	8	7	4
## ENSG00000176243.9	2	0	0	1	0
## ENSG00000286447.1	72	121	89	118	100
## ENSG00000080224.18	864	1325	1051	1313	1046

## ENSG00000251172.1	0	0	0	0	0
## ENSG00000261292.2	0	0	0	0	0
## ENSG00000113966.11	566	716	620	546	519
## ENSG00000282527.2	0	1	1	0	0
## ENSG00000080200.10	481	642	602	721	406
## ENSG00000279658.1	0	0	0	0	0
## ENSG00000170854.18	790	1139	880	1077	842
## ENSG00000285614.1	0	3	0	1	0
## ENSG00000183185.10	0	0	0	2	0
## ENSG00000250750.1	0	0	0	0	0
## ENSG00000213439.3	0	0	0	0	0
## ENSG00000196578.4	0	0	0	0	0
## ENSG00000249225.1	0	0	0	0	0
## ENSG00000290819.1	0	0	0	0	0
## ENSG00000251090.3	0	0	0	0	0
## ENSG00000248365.3	0	0	0	0	0
## ENSG00000231192.3	0	0	0	0	0
## ENSG00000236032.3	0	0	0	0	0
## ENSG00000233412.6	0	0	0	0	0
## ENSG00000289078.1	0	3	2	0	2
## ENSG00000249321.1	0	0	0	1	0
## ENSG00000249975.1	0	0	0	0	0
## ENSG00000248507.1	0	0	0	0	0
## ENSG00000251088.1	0	0	0	0	0
## ENSG00000187900.4	0	0	0	0	0
## ENSG00000289509.1	0	0	0	0	0
## ENSG00000230301.6	0	0	0	0	0
## ENSG00000197938.6	0	0	0	0	0
## ENSG00000232535.2	0	0	0	0	0
## ENSG00000196098.2	0	0	0	0	0
## ENSG00000206536.1	0	0	0	0	0
## ENSG00000244653.1	0	0	0	0	0
## ENSG00000232382.2	0	1	0	0	0
## ENSG00000231861.3	1	0	0	1	1
## ENSG00000080822.17	4337	5744	4887	5503	5084
## ENSG00000285635.1	0	0	0	0	0
## ENSG00000248839.1	0	0	0	0	0
## ENSG00000250562.1	0	2	0	0	1
## ENSG00000154165.5	0	0	0	0	0
## ENSG00000286602.1	8	18	11	13	21
## ENSG00000080819.9	2482	3065	3110	2938	2700
## ENSG00000240827.1	0	0	0	0	0
## ENSG00000244153.1	0	2	3	4	1
## ENSG00000239445.6	72	50	61	66	70
## ENSG00000064225.13	3566	3952	3938	3920	3953
## ENSG00000249274.1	26	32	34	43	30
## ENSG00000057019.16	8068	9763	9392	9651	8916
## ENSG00000206712.1	3	1	5	3	2
## ENSG00000239462.2	6	0	2	0	3
## ENSG00000207331.1	1	0	0	0	0
## ENSG00000240476.1	0	1	0	0	2
## ENSG00000275108.1	0	0	0	0	0
## ENSG00000241305.1	0	0	0	0	0
## ENSG00000240572.1	0	0	0	0	0

## ENSG00000243296.1	0	0	0	0	0
## ENSG00000243089.2	0	0	0	0	0
## ENSG00000244464.2	0	0	0	0	0
## ENSG00000144810.16	109	120	138	118	137
## ENSG00000273374.1	4	17	12	14	8
## ENSG00000184220.12	1246	1299	1413	1147	1364
## ENSG00000168386.19	44846	66806	51328	64718	54740
## ENSG00000264897.1	0	0	0	0	0
## ENSG00000287378.1	66	133	74	137	82
## ENSG00000235156.6	3	2	1	1	2
## ENSG00000293379.1	0	1	3	1	0
## ENSG00000277000.1	0	0	0	0	0
## ENSG00000243974.1	2	1	3	1	3
## ENSG00000036054.13	7358	11432	9348	11395	8438
## ENSG00000114021.12	4184	5452	4890	5716	5531
## ENSG00000154174.8	9707	13269	11498	12785	10717
## ENSG00000206535.8	602	676	664	611	645
## ENSG00000181458.10	909	1135	1072	1060	1094
## ENSG00000144820.8	119	222	274	268	137
## ENSG00000252989.1	0	0	0	0	0
## ENSG00000243495.1	1	0	0	0	0
## ENSG00000114354.15	9292	12297	10860	12876	10766
## ENSG00000154175.19	25	19	27	29	30
## ENSG00000213431.4	0	0	0	0	0
## ENSG00000201642.1	0	0	0	0	0
## ENSG00000242573.1	0	0	0	0	0
## ENSG00000081148.12	14	19	26	25	17
## ENSG00000138468.16	1184	1529	1544	1488	1026
## ENSG00000241738.1	0	0	0	0	1
## ENSG00000232830.5	0	0	0	1	2
## ENSG00000282978.1	53	54	55	53	80
## ENSG00000201554.1	0	0	0	0	0
## ENSG00000175841.8	1	1	0	0	0
## ENSG00000174173.7	3653	4082	3885	3928	3801
## ENSG00000081154.12	12591	19221	16232	15961	15352
## ENSG00000242299.1	398	475	428	534	672
## ENSG00000289629.1	5	12	12	17	13
## ENSG00000243396.1	0	0	0	2	0
## ENSG00000252348.1	0	1	0	0	0
## ENSG00000212319.1	0	0	0	0	0
## ENSG00000201511.1	0	0	0	0	0
## ENSG00000066422.7	2261	3133	3024	3047	2370
## ENSG00000201121.1	0	0	1	0	0
## ENSG00000256628.4	149	223	143	173	199
## ENSG00000114391.14	53914	62877	57793	64382	72592
## ENSG00000293268.1	24	33	36	42	37
## ENSG00000244119.3	0	0	0	0	0
## ENSG00000182504.12	1175	1578	1493	1636	1256
## ENSG00000144815.18	492	472	671	451	484
## ENSG00000249474.1	0	0	0	0	0
## ENSG00000144802.11	528	714	740	935	580
## ENSG00000287682.1	0	0	0	0	2
## ENSG00000214407.3	0	0	0	0	0
## ENSG00000202177.1	0	0	0	0	0

## ENSG00000241280.1	0	0	0	0	0
## ENSG00000170044.9	20	13	28	20	19
## ENSG00000241754.2	2	0	1	0	2
## ENSG00000201065.1	0	0	0	0	0
## ENSG00000201922.1	0	0	0	0	0
## ENSG00000236691.3	0	0	0	0	0
## ENSG00000265328.1	0	0	0	0	0
## ENSG00000240107.1	0	0	0	0	0
## ENSG00000243195.1	0	0	0	0	0
## ENSG00000214405.3	0	0	0	0	0
## ENSG00000243635.1	1	0	2	1	2
## ENSG00000170017.12	6249	7548	6542	6623	7042
## ENSG00000114423.23	2090	3077	2780	3176	2445
## ENSG00000288848.2	9	3	9	5	10
## ENSG00000287421.1	0	0	0	0	0
## ENSG00000244652.1	0	0	0	0	0
## ENSG00000286854.1	0	0	0	0	0
## ENSG00000291293.1	0	0	0	0	0
## ENSG00000200610.1	0	0	0	0	0
## ENSG00000242759.10	7	14	5	14	7
## ENSG00000288557.1	0	0	1	0	0
## ENSG00000200361.1	0	0	0	0	0
## ENSG00000239997.1	0	0	1	0	0
## ENSG00000241787.1	0	0	0	0	0
## ENSG00000239632.1	0	0	0	0	0
## ENSG00000242214.1	0	0	0	0	0
## ENSG00000242836.1	0	0	0	0	0
## ENSG00000249580.1	0	0	0	0	0
## ENSG00000243658.1	0	0	0	0	0
## ENSG00000240034.1	0	0	0	0	0
## ENSG00000250630.1	0	0	0	0	0
## ENSG00000239586.1	0	0	0	0	0
## ENSG00000240796.1	0	0	0	0	0
## ENSG00000252626.1	0	0	0	0	0
## ENSG00000286956.1	0	0	0	0	0
## ENSG00000239455.1	0	2	3	2	0
## ENSG00000243701.8	388	635	400	541	520
## ENSG00000239828.9	13	7	8	12	11
## ENSG00000241218.1	4	4	2	7	5
## ENSG00000272597.1	0	1	1	0	0
## ENSG00000138483.3	8	4	4	0	3
## ENSG00000273125.2	4	3	1	3	1
## ENSG00000114439.19	6165	8537	8068	9224	6497
## ENSG00000240423.3	0	4	1	4	1
## ENSG00000241469.9	0	1	0	0	0
## ENSG00000279277.2	6	18	12	15	13
## ENSG00000196776.17	5673	11028	6634	10180	7855
## ENSG00000271856.1	0	0	0	1	1
## ENSG00000114446.5	5952	8318	6492	7834	7458
## ENSG00000114455.15	221	202	407	214	159
## ENSG00000243188.1	0	0	0	0	0
## ENSG00000144821.11	70	94	60	94	78
## ENSG00000241634.1	30	37	47	56	36
## ENSG00000163507.15	2929	3557	3543	3724	3278

## ENSG00000202379.1	0	0	1	0	1
## ENSG00000276763.1	2	0	2	3	0
## ENSG00000198919.13	2152	2845	2594	2756	2203
## ENSG00000241777.1	0	0	0	0	0
## ENSG00000163515.7	0	0	0	0	1
## ENSG00000163519.14	0	0	0	0	0
## ENSG00000138472.11	0	0	1	0	1
## ENSG00000114487.10	2	1	0	0	1
## ENSG00000221633.2	0	0	0	0	0
## ENSG00000239314.1	0	0	0	0	0
## ENSG00000241224.8	0	1	1	1	0
## ENSG00000261364.1	0	0	0	0	0
## ENSG00000214381.6	9	4	0	2	7
## ENSG00000252889.1	0	0	0	0	0
## ENSG00000239288.1	0	0	0	0	0
## ENSG00000163530.4	1	2	2	1	1
## ENSG00000277635.1	0	0	0	0	0
## ENSG00000121570.13	432	461	478	410	427
## ENSG00000289358.1	1	1	0	0	0
## ENSG00000241257.1	0	0	0	0	0
## ENSG00000244561.1	0	0	0	0	0
## ENSG00000230618.3	0	0	1	0	0
## ENSG00000228980.4	0	1	0	0	0
## ENSG00000244196.1	0	0	0	0	0
## ENSG00000265956.1	0	0	0	0	0
## ENSG00000242029.1	0	0	0	0	0
## ENSG00000271249.1	0	0	0	0	0
## ENSG00000214380.4	0	1	3	0	1
## ENSG00000243945.1	0	0	0	0	0
## ENSG00000240895.1	1	0	0	0	1
## ENSG00000221206.1	0	0	0	0	0
## ENSG00000244722.1	5	0	2	6	10
## ENSG00000201426.1	0	0	0	0	0
## ENSG00000242242.7	366	160	487	172	118
## ENSG00000289069.1	39	27	65	35	15
## ENSG00000177707.11	2968	3363	3601	3170	3084
## ENSG00000153283.13	45	73	36	49	26
## ENSG00000239311.1	0	1	1	0	0
## ENSG00000244142.1	2	2	1	0	1
## ENSG00000240787.1	1	3	3	12	6
## ENSG00000177494.6	2	1	2	0	1
## ENSG00000244720.1	2	0	0	0	0
## ENSG00000240891.8	1052	1932	1303	1876	1239
## ENSG00000240766.1	0	5	4	2	0
## ENSG00000144824.21	11421	13353	13316	12960	10907
## ENSG00000286492.1	3	1	5	4	5
## ENSG00000144827.9	2344	2760	2615	2595	2663
## ENSG00000144834.14	457	224	495	241	405
## ENSG00000239439.1	0	0	0	0	1
## ENSG00000176040.14	2	8	8	10	4
## ENSG00000114529.13	1171	1778	1474	1831	1495
## ENSG00000207940.1	0	0	0	0	0
## ENSG00000174500.13	93	143	111	138	74
## ENSG00000261488.1	18	41	42	46	31

## ENSG00000172139.15	5	7	10	2	8
## ENSG00000244144.1	9	7	6	8	9
## ENSG00000239482.6	42	22	27	30	22
## ENSG00000283669.1	0	0	0	0	0
## ENSG00000091972.18	2496	2470	2840	2545	2682
## ENSG00000243081.2	0	2	2	6	1
## ENSG00000186265.10	3	4	2	5	2
## ENSG00000242525.1	0	1	1	0	0
## ENSG00000279349.1	6	11	12	2	7
## ENSG00000144848.11	1907	2429	2313	2326	2435
## ENSG00000138459.9	2284	3007	2539	2897	2393
## ENSG00000091986.16	12194	16015	13313	16923	14507
## ENSG00000242308.2	0	0	0	0	2
## ENSG00000240893.1	0	0	0	0	0
## ENSG00000242770.2	1	2	1	0	0
## ENSG00000206531.12	0	4	2	0	0
## ENSG00000289742.1	0	0	0	0	0
## ENSG00000163606.11	17	27	10	15	13
## ENSG00000272844.1	0	1	0	7	3
## ENSG00000163607.18	984	1310	1099	1085	1057
## ENSG00000163608.15	4342	5622	5192	5339	4595
## ENSG00000240057.8	19	29	23	47	28
## ENSG00000243483.1	0	0	0	0	0
## ENSG00000241219.2	1	0	0	2	0
## ENSG00000243795.1	8	10	13	10	10
## ENSG00000144857.15	153	205	178	214	258
## ENSG00000288079.1	0	2	1	0	0
## ENSG00000206530.11	115	171	150	187	115
## ENSG00000240751.1	2	0	1	3	3
## ENSG00000285943.1	9	12	8	9	5
## ENSG00000243849.2	1	0	2	0	0
## ENSG00000275670.1	0	0	0	2	0
## ENSG00000163611.11	171	256	193	191	206
## ENSG00000072858.11	6	8	5	7	3
## ENSG00000239453.1	0	0	0	0	0
## ENSG00000265253.1	0	0	0	0	0
## ENSG00000241529.3	0	2	1	3	0
## ENSG00000176542.10	1329	1932	1718	1900	1252
## ENSG00000121579.14	15175	19095	18630	17362	16519
## ENSG00000239280.1	2	1	1	1	0
## ENSG00000114573.12	5810	7581	7691	7973	6300
## ENSG00000242659.1	0	0	0	1	0
## ENSG00000178075.20	90	74	95	78	79
## ENSG00000240776.1	29	35	27	42	68
## ENSG00000241889.1	11	8	9	8	12
## ENSG00000240375.1	0	0	0	0	0
## ENSG00000273394.1	4	2	1	1	0
## ENSG00000184307.17	570	630	684	610	513
## ENSG00000163617.11	294	351	380	365	281
## ENSG00000270880.1	0	0	0	0	0
## ENSG00000287805.1	0	1	0	0	0
## ENSG00000285836.1	0	0	1	1	1
## ENSG00000151576.10	3005	3574	3563	3535	3143
## ENSG00000240912.1	0	0	0	0	0

## ENSG00000151577.14	0	0	0	1	0
## ENSG00000241490.1	0	0	0	0	0
## ENSG00000240487.1	0	0	0	0	0
## ENSG00000174255.8	0	0	0	0	1
## ENSG00000181847.12	0	0	0	0	0
## ENSG00000181722.18	195	346	209	328	115
## ENSG00000259976.3	0	0	0	0	0
## ENSG00000284134.1	0	0	0	0	0
## ENSG00000241560.7	0	2	2	3	1
## ENSG00000242290.2	0	0	0	0	1
## ENSG00000241295.1	0	0	0	0	0
## ENSG00000264623.3	0	0	0	0	0
## ENSG00000239946.1	0	0	0	0	0
## ENSG00000240002.1	0	0	0	0	0
## ENSG00000242767.1	0	1	1	0	0
## ENSG00000242880.2	1	3	7	0	1
## ENSG00000288896.2	0	0	0	2	0
## ENSG00000244157.1	1	0	0	0	0
## ENSG00000287795.1	0	0	0	0	2
## ENSG00000288074.1	2	1	0	1	0
## ENSG00000172020.13	2963	974	3042	1077	2657
## ENSG00000241596.1	0	0	0	0	0
## ENSG00000289153.2	3	4	2	4	0
## ENSG00000185565.13	4521	6241	5464	5726	5197
## ENSG00000243359.3	0	3	1	0	0
## ENSG00000240922.1	0	3	4	2	7
## ENSG00000241397.1	0	0	0	0	0
## ENSG00000241156.3	0	0	0	0	0
## ENSG00000198406.7	184	252	184	224	194
## ENSG00000243197.8	0	0	0	0	0
## ENSG00000278072.1	0	0	0	0	0
## ENSG00000265433.1	0	0	0	0	0
## ENSG00000274732.1	0	0	0	0	0
## ENSG00000242385.1	0	0	0	0	0
## ENSG00000200372.1	0	0	0	0	1
## ENSG00000243014.1	10	15	18	23	40
## ENSG00000206889.1	0	0	0	0	0
## ENSG00000239268.5	95	175	87	166	175
## ENSG00000240393.1	1	0	1	3	0
## ENSG00000241213.2	1	7	7	2	4
## ENSG00000242816.2	0	0	0	0	0
## ENSG00000243276.6	9	10	6	9	7
## ENSG00000286660.1	0	1	0	0	0
## ENSG00000144847.13	114	96	119	127	120
## ENSG00000239877.3	0	0	0	0	0
## ENSG00000163424.9	0	0	2	1	0
## ENSG00000251012.2	0	0	0	0	0
## ENSG00000114638.8	237	260	251	221	259
## ENSG00000121578.13	4595	6993	5544	7366	5406
## ENSG00000240254.2	0	2	0	3	0
## ENSG00000031081.11	235	381	318	388	326
## ENSG00000242829.1	1	1	0	0	0
## ENSG00000241155.1	11	11	22	22	13
## ENSG00000207310.1	0	0	0	0	0

## ENSG00000176142.13	2411	3283	2799	3667	3096
## ENSG00000163389.12	1904	2464	2229	2431	2110
## ENSG00000272662.1	8	2	4	2	1
## ENSG00000113845.10	3810	4650	4043	4673	4516
## ENSG00000121594.12	3	3	7	1	4
## ENSG00000272967.1	0	0	0	0	0
## ENSG00000144843.12	323	393	377	323	355
## ENSG00000144837.9	145	274	305	361	197
## ENSG00000242052.1	1	2	0	0	1
## ENSG00000121577.14	31	40	29	53	47
## ENSG00000289134.1	0	0	0	0	0
## ENSG00000138495.7	858	1199	1035	1183	1319
## ENSG00000286584.3	8	21	16	15	10
## ENSG00000183833.16	652	940	854	851	806
## ENSG00000285585.1	1	0	0	0	0
## ENSG00000239994.2	0	3	0	2	0
## ENSG00000144852.20	19	15	20	22	14
## ENSG00000240471.1	1	1	2	0	1
## ENSG00000082701.17	8229	11774	10483	11245	8910
## ENSG00000288662.1	0	0	0	0	0
## ENSG00000288667.1	0	0	0	0	0
## ENSG00000239835.1	0	0	2	0	0
## ENSG00000241546.1	0	0	0	0	0
## ENSG00000242622.4	104	84	133	137	79
## ENSG00000244308.2	4	0	1	0	0
## ENSG00000244139.3	0	0	3	0	0
## ENSG00000175697.11	65	60	87	73	68
## ENSG00000206721.1	0	0	0	0	0
## ENSG00000240882.1	9	1	2	5	1
## ENSG00000163428.4	4359	5994	5116	5204	4311
## ENSG00000293512.1	31	20	33	36	27
## ENSG00000240661.4	0	0	0	0	0
## ENSG00000282950.1	0	2	0	0	0
## ENSG00000242613.1	0	0	0	0	0
## ENSG00000163430.13	59941	77627	72376	76469	67392
## ENSG00000284121.1	0	0	0	0	0
## ENSG00000286735.1	4	1	4	6	1
## ENSG00000240774.1	0	0	0	0	0
## ENSG00000244441.1	1	0	1	0	0
## ENSG00000065518.8	7281	10282	8115	9608	10997
## ENSG00000113924.12	938	2255	1624	2589	1012
## ENSG00000144840.10	2226	3080	2590	2881	2307
## ENSG00000240452.1	0	0	0	0	0
## ENSG00000243257.1	0	1	0	0	0
## ENSG00000153767.10	2343	3590	2881	3511	2871
## ENSG00000213371.4	18	14	13	12	17
## ENSG00000286827.1	31	55	29	65	26
## ENSG00000243593.1	0	0	0	0	0
## ENSG00000287366.1	0	0	0	0	0
## ENSG00000145087.14	574	1367	692	1363	620
## ENSG00000270782.1	0	0	0	0	0
## ENSG00000264477.1	0	0	0	0	0
## ENSG00000243813.1	0	0	0	0	0
## ENSG00000242103.1	0	0	0	0	0

## ENSG00000287022.1	4	1	2	2	1
## ENSG00000051341.15	1123	1362	1421	1551	1069
## ENSG00000242445.1	32	27	33	39	64
## ENSG00000186103.5	0	0	0	0	0
## ENSG00000163833.8	0	0	0	1	2
## ENSG00000180353.11	7	7	8	17	12
## ENSG00000243544.3	0	0	0	0	0
## ENSG00000222057.1	0	0	0	0	0
## ENSG00000173230.17	10889	15454	12948	15661	11723
## ENSG00000288868.2	66	126	79	110	103
## ENSG00000173226.17	1945	2337	2427	2428	2326
## ENSG00000145088.9	36	29	38	32	43
## ENSG00000163406.11	270	68	240	54	202
## ENSG00000145103.15	35	21	35	29	25
## ENSG00000202388.1	0	0	0	0	0
## ENSG00000114013.16	0	0	0	0	0
## ENSG00000287977.1	0	0	0	0	0
## ENSG00000036828.17	168	76	154	77	90
## ENSG00000240236.1	0	0	0	0	0
## ENSG00000121552.4	3	12	4	14	3
## ENSG00000160124.9	1701	2171	1923	2263	2035
## ENSG00000114023.16	2729	4062	3379	4516	3938
## ENSG00000196981.4	507	740	640	652	607
## ENSG00000272758.7	33	42	40	45	37
## ENSG00000242531.1	1	1	2	5	1
## ENSG00000114030.13	6605	9392	7506	8978	7888
## ENSG00000275348.1	0	0	0	0	0
## ENSG00000287207.1	4	5	5	5	7
## ENSG00000138496.17	980	1598	1197	1538	1026
## ENSG00000163840.10	2294	3666	2846	3704	2098
## ENSG00000173200.13	1	13	8	6	0
## ENSG00000243918.1	5	2	0	5	4
## ENSG00000173193.15	1582	2645	2288	3030	1708
## ENSG00000169087.11	604	810	661	829	653
## ENSG00000138463.9	2440	3588	2799	3472	3166
## ENSG00000273033.2	564	968	668	1036	854
## ENSG00000082684.16	249	360	308	397	382
## ENSG00000065485.20	2894	4495	3392	4772	3539
## ENSG00000284421.1	0	0	0	0	0
## ENSG00000121542.12	657	779	757	802	739
## ENSG00000273454.1	4	4	2	6	5
## ENSG00000173175.16	179	345	261	332	293
## ENSG00000272678.1	0	0	0	0	0
## ENSG00000206527.10	7092	10252	8221	9785	7892
## ENSG00000239523.8	173	229	185	232	212
## ENSG00000065534.20	422	615	482	661	542
## ENSG00000250174.5	0	0	2	0	1
## ENSG00000288806.2	2	5	3	7	0
## ENSG00000273123.1	0	0	1	3	1
## ENSG00000207002.1	0	0	0	0	0
## ENSG00000175455.16	2186	2870	2705	2893	2189
## ENSG00000065371.18	0	0	1	0	2
## ENSG00000160145.16	2292	2846	2787	3090	2436
## ENSG00000266383.1	0	0	0	0	0

## ENSG00000240622.1	6	12	13	15	13
## ENSG00000276656.1	0	0	0	0	0
## ENSG00000252751.1	0	0	0	0	0
## ENSG00000288713.1	0	0	0	0	0
## ENSG00000260391.2	0	0	0	0	0
## ENSG00000114491.14	3615	4281	4105	4448	4240
## ENSG00000265981.1	2	4	2	0	0
## ENSG00000242199.1	1	1	0	3	3
## ENSG00000082781.12	6712	8938	7467	9145	8277
## ENSG00000244286.1	0	0	3	0	0
## ENSG00000280042.1	0	1	1	0	0
## ENSG00000276626.1	0	0	0	0	0
## ENSG00000243986.2	0	0	0	0	0
## ENSG00000173702.7	390	487	826	613	227
## ENSG00000173706.15	44015	61901	50621	59706	51949
## ENSG00000252642.1	0	1	1	0	0
## ENSG00000288022.1	82	137	122	199	128
## ENSG00000221955.11	672	784	826	903	910
## ENSG00000199327.1	0	0	0	0	0
## ENSG00000264986.1	0	0	0	0	0
## ENSG00000163848.21	3888	5327	4805	4873	4127
## ENSG00000229048.5	0	1	1	1	1
## ENSG00000243508.1	0	1	0	4	1
## ENSG00000289324.2	1	3	2	2	0
## ENSG00000252953.1	0	0	0	0	0
## ENSG00000114520.11	4150	5652	5102	5444	4666
## ENSG00000201800.1	0	0	0	1	0
## ENSG00000252965.1	6	14	14	12	15
## ENSG00000144909.8	3000	4038	3492	3746	3237
## ENSG00000243072.1	0	0	0	0	0
## ENSG00000242001.1	0	0	0	0	0
## ENSG00000234458.4	0	0	0	0	0
## ENSG00000243429.1	3	0	1	4	0
## ENSG00000228963.3	0	0	0	0	0
## ENSG00000239978.1	0	0	0	0	0
## ENSG00000179170.11	0	0	0	0	0
## ENSG00000239432.1	0	0	0	0	0
## ENSG00000284624.1	9	9	7	10	7
## ENSG00000284660.1	0	0	0	0	0
## ENSG00000272840.1	2	0	2	1	0
## ENSG00000239804.1	3	4	1	0	5
## ENSG00000221737.1	0	0	0	0	0
## ENSG00000242229.1	0	0	0	0	0
## ENSG00000287617.1	3	3	3	1	2
## ENSG00000241346.1	0	0	0	0	0
## ENSG00000241288.8	20	31	17	33	26
## ENSG00000241278.1	0	0	0	1	0
## ENSG00000248787.2	8	7	2	4	1
## ENSG00000291071.1	126	137	120	94	131
## ENSG00000171084.18	0	0	0	0	0
## ENSG00000291096.1	15	18	22	25	11
## ENSG00000189366.13	0	0	0	0	0
## ENSG00000241439.1	0	0	0	0	0
## ENSG00000114547.10	2	4	4	2	0

## ENSG00000114544.17	2270	2832	2654	3071	3010
## ENSG00000248607.1	0	0	0	1	0
## ENSG00000250012.2	26	24	25	26	25
## ENSG00000144908.14	52	46	52	71	57
## ENSG00000250218.1	0	0	0	0	0
## ENSG00000272020.1	0	0	0	0	0
## ENSG00000246022.4	1	0	0	7	2
## ENSG00000287232.1	8	8	8	9	6
## ENSG00000250934.3	5	3	1	5	4
## ENSG00000251448.2	1	0	0	0	1
## ENSG00000287440.1	1	0	0	0	3
## ENSG00000163884.4	456	428	521	490	611
## ENSG00000249833.7	0	0	0	0	0
## ENSG00000163885.12	7	10	10	11	10
## ENSG00000279328.1	1	0	0	1	0
## ENSG00000070476.15	1381	1653	1594	1641	1427
## ENSG00000159650.9	6	3	3	0	1
## ENSG00000180767.11	86	63	109	84	85
## ENSG00000180697.9	3	1	1	1	0
## ENSG00000201968.1	0	0	0	0	0
## ENSG00000197763.20	1275	1669	1555	1685	1320
## ENSG00000248557.1	8	13	10	9	11
## ENSG00000198284.10	0	0	0	0	0
## ENSG00000293201.1	0	0	0	0	0
## ENSG00000248850.1	0	0	0	0	2
## ENSG00000159685.11	1664	1667	1662	1645	2308
## ENSG00000249558.1	0	0	0	1	1
## ENSG00000280053.1	6	6	1	5	4
## ENSG00000114554.12	21853	23584	22986	25070	24657
## ENSG00000287784.1	8	5	13	21	8
## ENSG00000214324.5	0	0	0	0	0
## ENSG00000212556.1	0	0	0	0	0
## ENSG00000290035.1	0	0	0	1	0
## ENSG00000243016.1	0	0	0	0	0
## ENSG00000289641.1	0	0	0	0	0
## ENSG00000201288.1	0	0	0	0	0
## ENSG00000286919.1	0	0	0	0	0
## ENSG00000239620.3	0	0	0	0	2
## ENSG00000244215.2	0	0	0	0	1
## ENSG00000288769.2	0	0	0	0	0
## ENSG00000239921.6	0	0	0	2	1
## ENSG00000240562.1	0	0	0	0	0
## ENSG00000282975.1	0	0	0	2	0
## ENSG00000282860.1	0	0	0	0	0
## ENSG00000163870.16	1557	1753	1721	2043	2267
## ENSG00000275067.1	0	0	0	0	0
## ENSG00000276083.1	0	0	0	0	0
## ENSG00000073111.14	10589	10199	11005	10047	12599
## ENSG00000285600.2	4	3	6	5	0
## ENSG00000114631.11	9901	10737	10207	10327	13260
## ENSG00000114626.18	372	554	407	601	560
## ENSG00000074416.16	1050	1740	1720	1910	1211
## ENSG00000287143.1	0	0	0	0	0
## ENSG00000187715.13	14	11	15	16	5

## ENSG00000201210.1	0	0	0	0	0
## ENSG00000058262.11	33642	44133	35813	41368	43152
## ENSG00000175792.12	9384	10802	10695	10842	11763
## ENSG00000222627.1	0	0	0	0	0
## ENSG00000239608.1	4	0	0	2	0
## ENSG00000212344.1	0	0	0	0	0
## ENSG00000132394.11	1086	1118	1202	1037	1457
## ENSG00000285619.1	0	0	0	0	0
## ENSG00000179407.4	0	0	0	0	0
## ENSG00000242049.1	0	0	0	0	0
## ENSG00000179348.13	39	73	67	70	58
## ENSG00000244300.3	46	65	48	68	58
## ENSG00000239405.1	4	3	9	0	8
## ENSG00000286806.1	0	0	0	2	0
## ENSG00000198685.4	1	0	0	0	0
## ENSG00000163902.12	36527	45322	38694	43962	45341
## ENSG00000277250.1	0	0	0	0	0
## ENSG00000242551.2	0	0	0	1	0
## ENSG00000075785.14	12796	16687	16062	17622	16924
## ENSG00000207130.1	0	0	0	0	0
## ENSG00000239503.1	1	2	0	0	0
## ENSG00000242992.3	10	2	3	6	11
## ENSG00000244232.3	0	0	0	0	1
## ENSG00000239483.1	0	2	1	2	0
## ENSG00000244065.1	0	0	0	0	0
## ENSG00000243022.1	0	0	0	0	0
## ENSG00000290241.1	3	9	11	12	3
## ENSG00000242062.1	0	0	1	0	0
## ENSG00000290242.1	0	5	2	1	0
## ENSG00000261159.1	2	12	6	9	11
## ENSG00000231305.4	29	38	35	40	29
## ENSG00000250796.1	6	5	2	14	8
## ENSG00000287110.3	28	39	36	47	34
## ENSG00000177646.20	2847	3253	3099	3135	3422
## ENSG00000114656.13	305	368	377	411	442
## ENSG00000279507.1	0	0	0	0	0
## ENSG00000114654.8	15	4	16	10	16
## ENSG00000249505.1	0	0	0	0	0
## ENSG00000169704.5	0	0	0	0	1
## ENSG00000290001.1	0	0	0	2	0
## ENSG00000172780.17	189	203	158	221	201
## ENSG00000261796.1	0	0	3	0	1
## ENSG00000273174.1	6	11	7	10	10
## ENSG00000240682.10	442	508	543	553	552
## ENSG00000288996.2	7	1	6	2	5
## ENSG00000273437.1	5	9	5	7	10
## ENSG00000169714.17	26289	31979	30777	31275	31400
## ENSG00000289469.2	11	4	12	15	16
## ENSG00000241673.1	0	0	0	0	0
## ENSG00000289351.2	1	0	0	3	0
## ENSG00000181789.14	12945	15734	15265	15640	16329
## ENSG00000278658.1	0	0	0	0	0
## ENSG00000286729.1	11	15	12	16	22
## ENSG00000183624.14	2618	2957	3071	2947	3333

## ENSG00000184897.7	6023	5606	6291	5918	8816
## ENSG00000206417.8	151	204	217	165	178
## ENSG00000248916.1	0	1	0	1	0
## ENSG00000270492.1	4	7	5	6	6
## ENSG00000270773.1	4	2	3	5	1
## ENSG00000244932.2	25	33	30	28	21
## ENSG00000290993.1	262	307	318	372	301
## ENSG00000251474.8	0	0	0	0	0
## ENSG00000207088.1	3	1	1	2	2
## ENSG00000172771.13	98	47	76	63	79
## ENSG00000163913.14	1626	1730	1846	1611	1976
## ENSG00000129071.10	1742	2121	2081	2139	1986
## ENSG00000163914.5	2	4	3	3	2
## ENSG00000178804.8	0	0	0	0	0
## ENSG00000004399.13	2186	1689	2583	1678	2431
## ENSG00000239437.3	0	0	0	0	0
## ENSG00000248659.1	0	0	0	0	0
## ENSG00000172765.19	2966	3849	3672	3775	3260
## ENSG00000202412.1	1	0	0	0	0
## ENSG00000283509.1	0	0	0	0	0
## ENSG00000203644.3	395	519	452	428	454
## ENSG00000271270.8	105	100	126	109	115
## ENSG00000250643.1	0	0	0	1	0
## ENSG00000170893.4	44	33	48	35	55
## ENSG00000248459.1	0	0	0	0	0
## ENSG00000284731.1	1	4	1	0	0
## ENSG00000249869.1	0	0	0	0	0
## ENSG00000180770.3	0	0	0	1	0
## ENSG00000251178.1	0	0	0	0	0
## ENSG00000251610.2	0	0	0	0	0
## ENSG00000251287.9	7	7	9	9	11
## ENSG00000248243.1	12	13	13	9	7
## ENSG00000291081.1	142	154	133	172	176
## ENSG00000253540.8	1	2	3	4	2
## ENSG00000249846.7	101	127	137	131	137
## ENSG00000248618.1	0	0	0	0	0
## ENSG00000288111.2	1	2	0	3	2
## ENSG00000250580.1	0	0	0	0	0
## ENSG00000293535.2	2	4	5	1	1
## ENSG00000228252.10	0	0	0	2	0
## ENSG00000249253.1	0	0	0	0	0
## ENSG00000172752.16	0	3	2	5	0
## ENSG00000206384.11	2	52	20	62	20
## ENSG00000196455.8	3500	4444	4239	4604	3837
## ENSG00000222783.1	0	0	0	0	0
## ENSG00000285631.1	0	0	0	0	0
## ENSG00000232829.3	2	2	2	10	9
## ENSG00000017260.20	15956	20036	18877	18318	15070
## ENSG00000284095.1	0	0	1	1	1
## ENSG00000250592.1	0	0	0	1	0
## ENSG00000252894.2	0	0	0	0	0
## ENSG00000249098.1	1	0	0	0	0
## ENSG00000251579.1	0	0	0	0	0
## ENSG00000034533.12	661	697	679	635	721

## ENSG00000114670.14	392	462	418	362	357
## ENSG00000250129.5	0	0	0	0	0
## ENSG00000201550.1	0	0	0	0	0
## ENSG00000250608.2	13	23	20	27	4
## ENSG00000293492.1	604	776	690	635	644
## ENSG00000246082.5	0	0	0	0	0
## ENSG00000198585.12	3681	4442	4295	4577	4089
## ENSG00000261167.1	180	217	209	266	185
## ENSG00000114686.9	11252	13725	12299	13271	12927
## ENSG00000249020.1	1	1	1	2	2
## ENSG00000248468.2	2	4	3	1	2
## ENSG00000248530.1	3	4	3	1	3
## ENSG00000196353.13	117	54	130	49	73
## ENSG00000251447.1	0	0	0	0	0
## ENSG00000289118.1	0	0	0	0	0
## ENSG00000265859.1	0	0	0	0	0
## ENSG00000240854.1	1	2	1	2	2
## ENSG00000242899.1	31	24	41	46	54
## ENSG00000014257.17	72	103	84	106	75
## ENSG00000240890.2	2	4	2	1	1
## ENSG00000213264.3	0	0	1	1	0
## ENSG00000138246.17	4215	5542	5162	5784	3911
## ENSG00000240303.8	68	54	72	88	77
## ENSG00000274810.4	0	1	0	1	0
## ENSG00000129048.7	3	5	3	4	0
## ENSG00000251614.1	0	0	0	0	1
## ENSG00000081307.15	3145	3677	3534	3618	3116
## ENSG00000113971.21	195	327	240	288	246
## ENSG00000248724.6	0	2	1	0	0
## ENSG00000249725.1	0	1	2	0	0
## ENSG00000144868.14	224	210	283	254	221
## ENSG00000251011.6	0	0	0	0	0
## ENSG00000170819.5	3	3	3	7	2
## ENSG00000249820.1	0	0	0	0	0
## ENSG00000249993.1	0	2	0	1	0
## ENSG00000214301.4	0	0	0	0	0
## ENSG00000272832.1	0	0	0	0	0
## ENSG00000250983.1	0	0	0	0	0
## ENSG00000201827.1	0	0	0	0	0
## ENSG00000091527.17	18091	23199	21826	22933	19281
## ENSG00000163781.14	5403	6207	6387	6520	5320
## ENSG00000291042.1	0	0	0	0	0
## ENSG00000252641.2	0	0	0	0	0
## ENSG00000242337.8	0	0	3	0	0
## ENSG00000201394.1	0	0	0	0	0
## ENSG00000091513.16	34	57	113	95	91
## ENSG00000244062.1	0	0	0	0	0
## ENSG00000144867.13	5265	7141	5974	6875	6628
## ENSG00000285908.1	0	3	2	1	3
## ENSG00000154917.11	2201	2514	2589	2763	2755
## ENSG00000288547.3	1	3	3	1	0
## ENSG00000174640.15	516	617	743	742	797
## ENSG00000243832.1	0	0	0	0	0
## ENSG00000163785.14	5975	7823	6882	7678	6874

## ENSG00000231845.3	1	0	5	4	2
## ENSG00000240006.2	0	2	1	1	2
## ENSG00000260633.1	3	7	14	4	12
## ENSG00000293138.1	0	0	2	0	1
## ENSG00000214289.3	0	0	0	0	0
## ENSG00000114019.15	10885	12444	12032	12210	13716
## ENSG00000248377.1	0	0	0	0	0
## ENSG00000214288.4	0	0	0	0	0
## ENSG00000129055.13	5361	6424	5758	6080	6244
## ENSG00000182923.20	509	625	593	607	517
## ENSG00000288700.2	2	1	0	2	1
## ENSG00000249691.1	0	0	0	0	0
## ENSG00000174611.12	12	8	15	11	10
## ENSG00000286982.1	0	0	0	0	0
## ENSG00000253087.1	0	0	0	0	0
## ENSG00000201413.1	0	0	0	0	0
## ENSG00000154928.19	352	358	434	317	365
## ENSG00000240086.7	128	178	143	148	145
## ENSG00000242222.1	0	0	0	0	0
## ENSG00000241905.1	0	0	0	0	0
## ENSG00000073711.11	5035	5418	5955	4828	4594
## ENSG00000227267.3	2	0	0	0	0
## ENSG00000273455.1	0	0	1	0	1
## ENSG00000174579.5	3162	3721	3824	3602	3451
## ENSG00000241438.1	0	0	1	0	0
## ENSG00000244740.1	0	0	0	0	0
## ENSG00000114054.14	4735	5626	5367	5670	5509
## ENSG00000118007.13	3731	4536	4161	4220	3660
## ENSG00000200571.1	0	0	0	0	0
## ENSG00000244101.1	0	0	0	0	0
## ENSG00000252914.1	0	0	0	0	0
## ENSG00000240695.1	8	7	5	6	10
## ENSG00000261758.1	0	4	5	0	3
## ENSG00000286915.1	3	0	1	3	5
## ENSG00000242968.1	4	4	0	0	2
## ENSG00000168917.9	256	224	302	239	305
## ENSG00000239213.7	175	165	191	193	182
## ENSG00000273486.1	69	85	78	79	63
## ENSG00000158092.7	1693	2190	1963	2230	1920
## ENSG00000214283.4	0	0	0	0	0
## ENSG00000174564.13	33	44	50	48	28
## ENSG00000249407.1	1	0	0	0	2
## ENSG00000201325.1	0	0	0	0	0
## ENSG00000243886.1	1	2	0	0	0
## ENSG00000242070.1	0	0	0	0	0
## ENSG00000168875.3	0	0	0	1	0
## ENSG00000239513.6	0	0	0	0	0
## ENSG00000261146.1	0	0	0	0	0
## ENSG00000241478.1	19	17	25	25	44
## ENSG00000066405.13	7194	9757	8317	8481	6261
## ENSG00000272609.1	1	1	1	2	1
## ENSG00000158163.15	857	1048	1005	1132	1040
## ENSG00000240668.1	119	178	138	191	258
## ENSG00000118017.4	31	26	36	35	43

## ENSG00000286396.1	0	0	4	1	0
## ENSG00000138231.14	2300	2869	2658	3096	2718
## ENSG00000114098.18	2866	3551	3403	3583	3019
## ENSG00000181322.15	21	40	38	34	26
## ENSG00000158186.13	1879	2030	2079	2133	2228
## ENSG00000158220.14	100	124	159	156	137
## ENSG00000280399.1	9	14	15	5	15
## ENSG00000114107.9	2904	3776	3278	3660	2866
## ENSG00000158234.13	1398	1930	1459	1777	1557
## ENSG00000174715.7	0	0	0	0	2
## ENSG00000051382.9	3792	5067	4444	4817	3882
## ENSG00000239207.2	0	0	0	0	0
## ENSG00000242321.1	0	0	0	0	0
## ENSG00000241429.1	28	46	38	54	49
## ENSG00000242244.1	0	1	0	0	0
## ENSG00000244578.1	4	5	2	1	4
## ENSG00000183770.7	55	63	72	57	67
## ENSG00000206262.9	17	23	19	36	16
## ENSG00000206260.4	0	0	0	0	1
## ENSG00000175110.14	2682	3100	2856	3026	2924
## ENSG00000184814.5	0	0	0	0	0
## ENSG00000233701.3	0	0	0	0	0
## ENSG00000251137.1	0	0	0	0	0
## ENSG00000232416.3	0	0	0	0	0
## ENSG00000281473.1	0	0	0	0	0
## ENSG00000276304.1	0	0	0	0	0
## ENSG00000286988.1	0	1	0	3	0
## ENSG00000272656.1	0	0	0	0	0
## ENSG00000184432.11	15520	20079	18031	19537	16984
## ENSG00000283418.1	3	5	2	5	1
## ENSG00000248932.8	407	508	528	546	443
## ENSG00000114113.6	8	10	7	14	11
## ENSG00000248790.1	0	0	0	0	0
## ENSG00000178631.7	36	32	39	36	43
## ENSG00000114115.11	16241	13994	17466	15090	24043
## ENSG00000163864.18	1342	1017	1567	1156	1464
## ENSG00000214280.3	0	0	0	0	0
## ENSG00000201600.1	1	0	0	1	0
## ENSG00000244692.3	0	2	1	1	0
## ENSG00000261763.1	0	0	0	0	1
## ENSG00000250543.1	0	0	4	0	1
## ENSG00000251471.1	1	3	2	1	1
## ENSG00000250161.1	0	0	0	0	0
## ENSG00000158258.16	69774	93291	80053	89715	68127
## ENSG00000249290.5	6	1	3	5	0
## ENSG00000251058.1	0	0	0	1	0
## ENSG00000289632.1	1	1	1	0	1
## ENSG00000250433.1	0	1	2	0	1
## ENSG00000249305.1	0	0	0	0	0
## ENSG00000155890.4	0	0	0	0	0
## ENSG00000261826.1	0	0	0	0	0
## ENSG00000224085.3	0	0	0	0	0
## ENSG00000114120.14	4680	5813	5778	5615	4278
## ENSG00000248773.1	4	3	8	7	1

## ENSG00000175093.5	1088	1076	1194	1135	1521
## ENSG00000251270.1	0	0	0	0	0
## ENSG00000155893.13	2636	3123	3061	3222	3225
## ENSG00000287155.1	2	0	0	0	0
## ENSG00000241400.1	0	0	0	0	1
## ENSG00000249417.1	0	3	1	3	0
## ENSG00000249540.1	0	2	0	1	0
## ENSG00000177311.12	1866	2789	2331	2595	1969
## ENSG00000288585.1	0	0	0	0	3
## ENSG00000215606.4	0	0	0	0	0
## ENSG00000155903.14	797	1161	988	1068	870
## ENSG00000250170.1	0	0	0	0	0
## ENSG00000249986.1	3	2	2	4	2
## ENSG00000293386.1	0	0	0	0	0
## ENSG00000242104.6	0	0	0	0	0
## ENSG00000241899.1	0	0	2	1	3
## ENSG00000241526.1	0	0	0	0	1
## ENSG00000114125.14	4010	5775	4943	5541	5635
## ENSG00000285558.1	0	1	0	0	0
## ENSG00000114124.3	3	9	4	10	1
## ENSG00000286822.1	0	1	0	0	0
## ENSG00000228398.3	4	1	0	0	1
## ENSG00000069849.11	13132	18362	15176	17100	17450
## ENSG00000200389.1	0	0	0	0	0
## ENSG00000244124.1	0	3	8	10	3
## ENSG00000279147.1	0	1	2	2	0
## ENSG00000114126.18	5512	6789	6954	7021	6026
## ENSG00000233597.3	31	33	32	58	72
## ENSG00000206604.1	0	0	0	0	0
## ENSG00000175066.16	886	1145	1120	1128	865
## ENSG00000114127.11	1447	2053	1916	2139	1259
## ENSG00000251804.1	0	0	0	0	0
## ENSG00000202125.1	0	0	0	0	1
## ENSG00000175054.16	2238	2882	2644	3138	2245
## ENSG00000242479.1	0	0	0	0	0
## ENSG00000244327.1	2	0	2	0	2
## ENSG00000242390.1	0	0	0	2	0
## ENSG00000252745.1	1	0	0	0	0
## ENSG00000120756.13	2543	3509	3187	3173	2721
## ENSG00000239641.1	0	0	1	0	0
## ENSG00000287045.2	6	2	7	3	4
## ENSG00000199319.1	0	0	0	0	0
## ENSG00000144935.17	412	589	479	539	411
## ENSG00000251787.1	0	0	0	0	0
## ENSG00000163710.9	81	171	120	195	152
## ENSG00000240950.1	22	44	26	37	56
## ENSG00000243818.7	0	0	0	0	0
## ENSG00000188582.10	83	68	91	90	87
## ENSG00000241592.1	0	0	0	0	0
## ENSG00000241570.8	1	3	3	0	3
## ENSG00000163714.18	9121	10973	10645	10843	8517
## ENSG00000268129.2	0	1	0	0	0
## ENSG00000243733.1	0	0	0	0	0
## ENSG00000175040.6	163	251	188	251	304

## ENSG00000241679.2	1	0	0	1	0
## ENSG00000244171.4	17	35	32	22	29
## ENSG00000181804.15	7	13	16	16	9
## ENSG00000240888.1	0	0	0	0	0
## ENSG00000240012.1	0	0	0	0	0
## ENSG00000244493.1	0	0	0	0	0
## ENSG00000243033.2	0	0	0	0	0
## ENSG00000243759.1	13	17	11	12	21
## ENSG00000248374.1	0	0	0	0	0
## ENSG00000235110.5	0	0	0	0	0
## ENSG00000181744.9	6846	13647	8295	11655	8913
## ENSG00000222778.1	0	0	0	0	0
## ENSG00000289986.1	1	4	3	1	4
## ENSG00000280397.1	0	0	0	0	0
## ENSG00000244024.1	0	0	0	0	0
## ENSG00000241695.1	0	0	0	0	0
## ENSG00000239797.1	18	20	11	26	18
## ENSG00000244358.1	0	0	0	0	0
## ENSG00000240095.1	0	0	0	0	0
## ENSG00000152952.14	7136	9751	8616	9621	7936
## ENSG00000261051.1	23	29	28	41	42
## ENSG00000243415.2	19	11	11	14	7
## ENSG00000240032.1	21	20	26	27	17
## ENSG00000114698.15	64	80	85	64	60
## ENSG00000243596.1	0	0	0	0	0
## ENSG00000293191.1	0	0	0	0	0
## ENSG00000163746.13	2	3	5	6	3
## ENSG00000241358.2	0	0	0	0	0
## ENSG00000279320.1	1	7	1	8	4
## ENSG00000188313.13	1554	2485	1879	2339	1814
## ENSG00000199812.1	0	0	0	0	0
## ENSG00000231213.7	0	0	0	4	0
## ENSG00000241457.1	0	0	0	0	0
## ENSG00000243620.2	0	0	0	0	0
## ENSG00000242671.2	0	0	0	0	0
## ENSG00000207156.1	0	0	0	0	0
## ENSG00000239412.1	0	0	0	0	0
## ENSG00000174963.18	27	76	25	47	24
## ENSG00000241202.1	0	0	0	0	0
## ENSG00000152977.10	85	172	120	164	126
## ENSG00000240804.1	0	0	0	0	0
## ENSG00000289451.2	0	0	0	0	0
## ENSG00000239661.1	0	0	0	0	0
## ENSG00000239922.2	1	4	9	13	13
## ENSG00000285798.1	0	0	0	0	0
## ENSG00000241131.2	0	0	0	1	0
## ENSG00000285660.1	0	0	0	0	0
## ENSG00000241792.1	0	0	0	0	0
## ENSG00000244650.2	0	0	0	0	0
## ENSG00000205412.5	0	0	1	0	3
## ENSG00000243347.2	0	0	1	0	0
## ENSG00000242440.2	5	1	1	0	3
## ENSG00000285557.1	0	0	0	1	1
## ENSG00000241993.1	0	0	0	0	0

## ENSG00000144891.19	467	621	584	813	584
## ENSG00000153002.12	159	29	148	25	167
## ENSG00000244089.1	0	0	0	0	0
## ENSG00000240521.1	0	0	0	0	1
## ENSG00000163751.4	1	0	3	2	2
## ENSG00000287198.1	0	0	0	0	0
## ENSG00000241627.3	17	12	17	19	16
## ENSG00000163754.18	4210	5451	4778	4881	4884
## ENSG00000071794.16	3105	3563	4051	3978	3074
## ENSG00000239718.1	0	0	0	0	0
## ENSG00000201031.1	0	0	0	0	0
## ENSG00000240511.1	0	0	0	0	0
## ENSG00000163755.9	2415	3003	3050	2964	2404
## ENSG00000047457.14	377	1282	613	1333	444
## ENSG00000286714.1	0	9	8	10	0
## ENSG00000293537.1	0	0	0	0	0
## ENSG00000240216.8	1	0	0	1	1
## ENSG00000293384.1	0	0	0	0	0
## ENSG00000244468.1	14	14	14	12	10
## ENSG00000163762.7	88	129	127	117	60
## ENSG00000243822.1	0	0	0	0	0
## ENSG00000169908.12	4331	6393	5404	6211	5742
## ENSG00000240541.3	2	8	11	16	10
## ENSG00000243885.1	0	0	0	0	0
## ENSG00000240246.1	0	0	0	0	0
## ENSG00000241929.1	0	0	0	3	0
## ENSG00000282502.1	0	0	0	0	0
## ENSG00000239408.1	0	0	0	0	0
## ENSG00000169903.7	16085	26896	18931	24171	23954
## ENSG00000244503.1	102	186	160	195	124
## ENSG00000018408.15	2701	3062	3305	2927	2559
## ENSG00000252581.1	0	0	0	0	0
## ENSG00000241985.1	0	0	0	2	0
## ENSG00000241313.3	10	5	2	3	8
## ENSG00000114744.9	4386	5264	4886	4899	4809
## ENSG00000206199.11	8	12	8	12	12
## ENSG00000251854.1	0	0	0	0	0
## ENSG00000082996.20	2989	4234	3447	3906	3418
## ENSG00000252172.1	0	1	0	1	0
## ENSG00000239351.1	1	2	2	1	1
## ENSG00000070087.15	18185	21190	20931	21349	22076
## ENSG00000242791.2	8	4	8	2	4
## ENSG00000224831.3	59	67	67	70	50
## ENSG00000182000.9	0	0	0	0	0
## ENSG00000241947.1	0	0	0	0	0
## ENSG00000243944.5	0	0	1	0	1
## ENSG00000240477.1	1	0	1	2	0
## ENSG00000243321.3	0	0	1	0	0
## ENSG00000241143.1	0	0	0	0	0
## ENSG00000241048.1	0	0	0	0	0
## ENSG00000244541.6	1	1	1	2	0
## ENSG00000278234.1	0	0	0	0	0
## ENSG00000243550.3	2	0	0	2	5
## ENSG00000289524.2	0	3	1	5	3

## ENSG00000286501.1	0	0	2	0	0
## ENSG00000289086.2	1	3	2	3	1
## ENSG00000196428.13	1765	2313	2367	2342	2107
## ENSG00000120742.11	12845	17153	14859	15482	14737
## ENSG00000144895.12	7560	9269	8085	8963	7786
## ENSG00000198843.14	6128	8551	7229	7709	7000
## ENSG00000271711.1	2	1	2	1	3
## ENSG00000163645.15	1	1	1	0	1
## ENSG00000240137.8	97	72	118	93	112
## ENSG00000244668.1	0	0	0	0	0
## ENSG00000287688.1	1	0	2	3	6
## ENSG00000181788.4	2274	2349	2576	2405	2673
## ENSG00000244265.2	2	8	10	2	3
## ENSG00000289005.2	4	2	11	3	7
## ENSG00000239265.5	4	0	1	2	0
## ENSG00000214237.11	0	0	0	0	0
## ENSG00000260234.5	0	0	0	0	0
## ENSG00000243273.2	0	0	0	0	0
## ENSG00000163646.12	0	0	0	1	1
## ENSG00000276055.1	0	0	0	0	0
## ENSG00000144893.13	451	518	623	597	433
## ENSG00000199994.1	0	0	0	0	0
## ENSG00000174946.7	1	0	0	0	0
## ENSG00000174944.9	1	0	1	4	4
## ENSG00000239570.1	0	0	0	0	0
## ENSG00000286273.1	0	2	0	0	0
## ENSG00000138271.6	31	121	57	95	93
## ENSG00000181631.7	0	2	0	0	0
## ENSG00000169313.10	1	0	0	1	0
## ENSG00000152580.9	898	412	886	357	663
## ENSG00000242810.1	0	0	0	0	1
## ENSG00000242119.1	0	0	0	0	0
## ENSG00000264330.1	0	0	0	0	0
## ENSG00000241151.1	0	0	0	0	0
## ENSG00000197953.6	0	0	0	0	0
## ENSG00000242908.6	1	0	0	0	0
## ENSG00000242097.1	0	0	0	0	0
## ENSG00000291076.1	2	6	2	1	5
## ENSG00000240602.10	0	0	0	0	0
## ENSG00000250271.3	0	0	0	0	0
## ENSG00000290514.1	0	0	0	0	0
## ENSG00000114771.14	0	5	0	9	7
## ENSG00000198829.6	5	5	2	12	6
## ENSG00000239941.1	0	0	0	1	0
## ENSG00000289315.2	0	0	0	0	0
## ENSG00000152601.18	1611	2523	2019	2546	1825
## ENSG00000229619.6	63	67	63	78	48
## ENSG00000293032.1	0	0	0	0	0
## ENSG00000221962.6	0	0	0	0	0
## ENSG00000201217.1	2	0	1	2	1
## ENSG00000243305.1	0	0	0	0	0
## ENSG00000244545.1	0	0	0	0	0
## ENSG00000287706.3	0	0	0	0	0
## ENSG00000242561.1	0	0	0	0	0

## ENSG00000169860.7	1804	1048	1915	959	1370
## ENSG00000241810.1	0	0	0	0	0
## ENSG00000241671.1	0	0	1	2	0
## ENSG00000288787.1	2	2	2	1	1
## ENSG00000244268.1	2	0	2	2	2
## ENSG00000289885.1	2	11	6	9	5
## ENSG00000181467.5	6625	7788	7104	6633	7854
## ENSG00000265813.2	0	0	0	0	0
## ENSG00000290079.1	0	0	0	0	0
## ENSG00000241220.1	0	0	0	0	0
## ENSG00000241912.1	0	0	0	0	0
## ENSG00000238755.3	7	10	9	15	11
## ENSG00000237787.5	0	0	0	0	0
## ENSG00000207323.1	0	0	0	0	0
## ENSG00000200162.1	0	0	0	0	0
## ENSG00000243486.1	1	6	6	9	4
## ENSG00000201398.1	0	0	0	0	0
## ENSG00000240068.1	0	0	0	0	0
## ENSG00000243069.9	19	10	18	13	14
## ENSG00000114790.13	1013	994	1188	1116	1055
## ENSG00000174953.14	7780	10115	9379	10011	8441
## ENSG00000271922.1	0	0	0	0	0
## ENSG00000279305.1	0	0	0	0	0
## ENSG00000174948.6	21	18	16	28	21
## ENSG00000240048.1	3	4	2	7	2
## ENSG00000243861.1	0	0	0	0	0
## ENSG00000243154.1	0	0	0	0	0
## ENSG00000242151.1	0	0	0	0	0
## ENSG00000240601.1	0	0	0	0	0
## ENSG00000243969.1	0	0	0	0	0
## ENSG00000243953.1	0	0	0	0	0
## ENSG00000196549.13	214	611	636	1017	703
## ENSG00000240666.2	0	0	0	0	0
## ENSG00000241336.2	0	0	0	0	0
## ENSG00000240045.2	0	1	0	0	0
## ENSG00000242790.1	0	0	0	0	0
## ENSG00000239443.1	4	8	2	9	3
## ENSG00000114805.18	1711	1837	1929	1949	1746
## ENSG00000248772.1	0	0	0	0	0
## ENSG00000243518.1	0	1	1	2	1
## ENSG00000242152.1	0	0	0	0	0
## ENSG00000272096.2	0	0	0	0	0
## ENSG00000239508.1	0	2	0	1	0
## ENSG00000242925.1	0	0	0	0	0
## ENSG00000239212.2	0	0	0	0	0
## ENSG00000214919.3	4	1	4	7	2
## ENSG00000241307.1	7	11	5	3	7
## ENSG00000174928.16	119	199	143	171	174
## ENSG00000284952.1	0	0	0	0	1
## ENSG00000169359.16	1012	1468	1358	1231	1030
## ENSG00000286585.3	10	4	8	13	10
## ENSG00000163655.16	14626	16986	16879	15523	16438
## ENSG00000288032.1	2	2	1	0	3
## ENSG00000240489.1	126	175	179	151	187

## ENSG00000174930.4	0	0	0	0	0
## ENSG00000169282.19	115	142	147	156	125
## ENSG00000242017.1	1	4	3	5	4
## ENSG00000242537.1	0	0	0	2	0
## ENSG00000287916.1	7	7	9	11	9
## ENSG00000227709.4	0	1	0	0	0
## ENSG00000240596.1	1	2	0	4	3
## ENSG00000242370.1	0	0	1	0	0
## ENSG00000272990.1	15	22	18	18	24
## ENSG00000114850.7	17537	23674	19886	22434	20104
## ENSG00000243926.3	22	24	21	25	32
## ENSG00000163659.13	3703	5440	4394	5405	4196
## ENSG00000174912.7	8	21	11	27	7
## ENSG00000240875.6	19	43	41	32	18
## ENSG00000230457.3	46	32	30	47	41
## ENSG00000197980.14	23	26	19	20	31
## ENSG00000241879.1	0	0	0	0	0
## ENSG00000239706.1	0	0	0	0	0
## ENSG00000222499.1	0	0	0	0	0
## ENSG00000243629.2	4	9	11	11	6
## ENSG00000241544.2	1	3	2	1	3
## ENSG00000289409.2	1	0	0	0	0
## ENSG00000241135.8	2	3	2	6	3
## ENSG00000163660.12	1645	2355	2109	2698	1700
## ENSG00000201778.1	0	0	0	0	0
## ENSG00000244515.1	38	47	39	37	37
## ENSG00000241770.1	6	4	6	7	10
## ENSG00000222675.1	0	0	0	0	0
## ENSG00000243176.8	132	169	151	182	132
## ENSG00000270981.1	0	0	0	0	0
## ENSG00000286361.1	0	0	0	0	0
## ENSG00000197415.12	199	146	190	168	203
## ENSG00000163661.4	190	407	310	539	333
## ENSG00000293490.1	8	10	9	10	4
## ENSG00000174899.14	0	0	1	0	0
## ENSG00000286892.1	0	1	0	2	0
## ENSG00000242536.2	0	0	0	0	0
## ENSG00000251751.1	0	0	0	0	0
## ENSG00000239716.1	0	0	0	0	0
## ENSG00000168779.21	11	12	26	20	15
## ENSG00000174891.14	2889	3939	3589	3394	3358
## ENSG00000241723.1	1	0	0	0	0
## ENSG00000277143.1	1	0	0	0	0
## ENSG00000243314.1	0	0	0	1	0
## ENSG00000243150.6	0	0	0	0	1
## ENSG00000178053.21	1806	1545	2005	1380	1893
## ENSG00000243025.1	0	3	3	0	0
## ENSG00000243165.1	0	0	0	0	0
## ENSG00000168827.15	3999	5186	4386	4688	4264
## ENSG00000079257.8	378	489	457	472	455
## ENSG00000272087.1	0	0	0	0	0
## ENSG00000118849.10	71	89	90	106	87
## ENSG00000118855.21	999	1197	1069	1108	977
## ENSG00000240207.7	31	25	19	30	25

## ENSG00000243675.1	0	0	0	1	0
## ENSG00000271778.1	5	3	9	2	6
## ENSG00000272247.1	1	0	0	0	0
## ENSG00000232374.5	0	2	0	0	0
## ENSG00000279311.1	0	4	0	2	0
## ENSG00000283154.3	116	113	108	138	139
## ENSG00000214216.11	0	0	0	0	0
## ENSG00000263634.1	0	0	0	0	0
## ENSG00000244249.1	0	0	0	0	0
## ENSG00000286913.1	1	2	2	5	5
## ENSG00000243116.1	0	0	0	0	1
## ENSG00000241211.1	0	0	0	0	1
## ENSG00000252763.1	0	0	0	0	0
## ENSG00000151967.18	22	29	25	36	24
## ENSG00000244040.7	13	21	22	25	23
## ENSG00000168811.8	15	5	7	10	10
## ENSG00000242107.2	0	0	0	0	0
## ENSG00000184100.6	36	39	41	43	27
## ENSG00000180044.6	173	246	178	196	216
## ENSG00000248710.1	0	0	3	0	1
## ENSG00000068885.15	751	961	913	862	776
## ENSG00000243687.1	0	0	0	0	0
## ENSG00000113810.16	7104	8724	8538	8238	7013
## ENSG00000207779.1	0	0	0	0	0
## ENSG00000198987.1	0	0	0	0	0
## ENSG00000213186.8	1458	1796	1748	1540	1508
## ENSG00000244009.1	7	6	3	5	5
## ENSG00000238427.1	0	0	0	0	0
## ENSG00000186432.10	11502	15049	13809	14487	12898
## ENSG00000238741.1	0	1	0	1	2
## ENSG00000293192.1	62	77	57	80	79
## ENSG00000229320.4	94	131	132	99	138
## ENSG00000242285.1	0	0	0	0	0
## ENSG00000179674.4	125	224	135	228	147
## ENSG00000207084.1	0	0	0	0	0
## ENSG00000260572.1	17	16	25	17	24
## ENSG00000163590.14	5367	6672	6401	5951	5379
## ENSG00000169255.15	1489	1633	1705	1530	1620
## ENSG00000169251.13	6510	8440	7497	7636	6788
## ENSG00000271052.1	0	0	0	2	0
## ENSG00000240138.1	0	0	0	0	0
## ENSG00000243838.1	7	2	3	1	0
## ENSG00000196542.9	2896	2676	3188	2443	3103
## ENSG00000240567.1	1	2	1	0	3
## ENSG00000269888.1	1	0	0	0	0
## ENSG00000234851.4	281	358	296	414	476
## ENSG00000182447.4	0	0	0	1	0
## ENSG00000288087.1	0	0	0	0	0
## ENSG00000240354.1	0	0	0	0	0
## ENSG00000241874.1	0	0	0	0	0
## ENSG00000243044.1	0	0	0	0	0
## ENSG00000241168.1	0	0	0	0	0
## ENSG00000241369.6	0	1	0	0	0
## ENSG00000244571.1	0	0	0	0	0

## ENSG00000240792.2	0	0	0	0	0
## ENSG00000238924.2	0	0	0	0	0
## ENSG00000214210.4	0	0	0	0	0
## ENSG00000221251.1	0	0	0	0	0
## ENSG00000289884.1	0	0	0	0	0
## ENSG00000241636.1	0	0	0	0	0
## ENSG00000241767.2	0	0	0	1	0
## ENSG00000090402.8	107	138	111	157	101
## ENSG00000200052.1	0	0	0	0	0
## ENSG00000239205.1	0	0	0	0	0
## ENSG00000121871.4	40	70	52	127	104
## ENSG00000244128.9	3	4	4	2	4
## ENSG00000114200.10	456	662	500	638	586
## ENSG00000242178.1	0	0	0	0	0
## ENSG00000240084.1	0	0	0	0	0
## ENSG00000240824.1	0	0	0	0	0
## ENSG00000242456.1	0	0	0	0	0
## ENSG00000242326.1	0	0	0	0	0
## ENSG00000244429.1	0	0	0	0	0
## ENSG00000244321.1	0	0	0	0	0
## ENSG00000274149.1	0	0	0	0	0
## ENSG00000251759.1	0	0	0	0	0
## ENSG00000224962.4	2	3	0	0	1
## ENSG00000240458.1	0	0	0	0	0
## ENSG00000231516.3	0	0	0	0	0
## ENSG00000240033.1	0	0	0	0	1
## ENSG00000239227.1	0	0	0	0	0
## ENSG00000220343.5	0	1	0	1	3
## ENSG00000169064.13	107	114	97	147	123
## ENSG00000241669.1	0	0	0	0	0
## ENSG00000114204.16	1	0	3	0	1
## ENSG00000174776.12	5	5	1	6	4
## ENSG00000114209.15	3035	3845	3496	3803	3335
## ENSG00000241120.1	2	2	1	4	1
## ENSG00000163536.13	802	627	851	619	688
## ENSG00000287319.1	0	0	3	0	0
## ENSG00000293511.1	0	1	0	1	0
## ENSG00000244706.4	0	0	0	0	0
## ENSG00000239238.1	0	0	0	0	0
## ENSG00000244227.10	0	0	0	0	0
## ENSG00000242036.1	0	0	0	0	0
## ENSG00000241203.1	0	0	0	0	0
## ENSG00000173905.9	4601	6104	6027	6612	5278
## ENSG00000286994.1	1	0	0	0	0
## ENSG00000293389.1	5	8	19	8	11
## ENSG00000206120.12	1	3	3	2	0
## ENSG00000241882.1	0	0	0	0	0
## ENSG00000222357.1	0	0	0	0	0
## ENSG00000207717.1	0	0	0	0	0
## ENSG00000226765.1	3	0	0	0	0
## ENSG00000231688.1	1	0	2	2	0
## ENSG00000242268.3	3	1	1	2	2
## ENSG00000272797.1	0	1	1	0	0
## ENSG00000273177.1	2	0	0	0	0

## ENSG00000241383.2	0	0	0	0	0
## ENSG00000085276.19	10873	15548	12692	14154	11389
## ENSG00000241479.1	14	20	18	15	12
## ENSG00000213178.3	82	105	98	109	122
## ENSG00000242795.2	0	0	1	1	1
## ENSG00000244381.1	0	1	0	0	1
## ENSG00000206777.1	0	0	0	0	0
## ENSG00000270141.3	1	2	0	1	2
## ENSG00000277925.1	0	0	0	0	0
## ENSG00000184378.3	160	243	191	175	190
## ENSG00000269889.1	8	5	3	7	12
## ENSG00000085274.16	1190	1687	1370	1411	1330
## ENSG00000269984.1	23	22	13	30	14
## ENSG00000171757.17	156	190	193	196	179
## ENSG00000270135.1	0	0	0	0	0
## ENSG00000270096.1	0	0	0	0	0
## ENSG00000188306.7	2	9	11	5	5
## ENSG00000114248.10	101	268	135	311	136
## ENSG00000240128.1	0	2	0	0	0
## ENSG00000187033.9	0	0	0	0	1
## ENSG00000244039.1	0	0	0	0	0
## ENSG00000239219.2	5	1	8	11	6
## ENSG00000244193.1	0	0	0	0	0
## ENSG00000008952.17	10881	15108	12851	13079	11976
## ENSG00000240373.1	4	2	1	4	3
## ENSG00000173890.17	888	1437	1168	1084	900
## ENSG00000201342.1	0	0	0	0	0
## ENSG00000242583.1	0	0	0	0	0
## ENSG00000173889.16	1957	2572	2448	2738	1977
## ENSG00000199536.1	0	1	0	0	0
## ENSG00000163558.13	7144	9491	8799	9263	7327
## ENSG00000200118.1	0	0	0	0	0
## ENSG00000239628.1	0	0	0	1	0
## ENSG00000136603.15	2320	3729	2974	3031	2505
## ENSG00000242578.1	1	0	1	2	0
## ENSG00000013297.12	218	125	322	106	244
## ENSG00000285218.1	0	0	0	0	0
## ENSG00000283474.1	0	0	0	0	0
## ENSG00000285051.2	0	0	3	1	3
## ENSG00000013293.6	128	35	126	38	54
## ENSG00000241416.1	14	11	6	7	11
## ENSG00000213174.3	0	0	2	5	8
## ENSG00000244738.1	0	0	0	0	0
## ENSG00000286695.1	0	0	0	0	0
## ENSG00000289233.1	0	0	0	0	0
## ENSG00000239739.1	0	0	0	0	0
## ENSG00000163584.18	3920	3609	4208	3326	3382
## ENSG00000163577.8	295	399	357	370	345
## ENSG00000286856.1	3	3	0	1	1
## ENSG00000240704.1	0	0	0	0	0
## ENSG00000199488.1	0	0	1	0	0
## ENSG00000163581.14	814	1971	938	1710	1340
## ENSG00000154310.17	6835	10829	8275	10018	8391
## ENSG00000207963.1	0	2	0	0	0

## ENSG00000222506.1	0	0	0	0	0
## ENSG00000240497.3	11	15	17	14	18
## ENSG00000279673.2	180	243	172	257	243
## ENSG00000207114.1	0	0	0	0	0
## ENSG00000234594.1	0	0	0	0	0
## ENSG00000075651.17	6814	12085	8292	11285	8146
## ENSG00000234717.2	0	1	0	0	0
## ENSG00000186329.9	0	0	0	0	0
## ENSG00000235943.1	0	0	0	0	0
## ENSG00000287899.1	0	1	1	2	0
## ENSG00000075420.13	8495	13159	10808	12841	9311
## ENSG00000237483.1	0	0	0	1	0
## ENSG00000243398.3	0	0	0	0	0
## ENSG00000279862.1	1	1	0	1	1
## ENSG00000236686.1	3	7	4	10	11
## ENSG00000121853.4	0	0	0	1	0
## ENSG00000121858.11	127	112	207	167	111
## ENSG00000224611.1	0	0	0	0	0
## ENSG00000223387.6	1	1	0	1	0
## ENSG00000224426.1	0	1	3	4	3
## ENSG00000144959.11	559	929	821	941	648
## ENSG00000231384.1	0	1	0	1	0
## ENSG00000252082.1	0	0	0	0	0
## ENSG00000287012.1	0	0	0	0	1
## ENSG00000114346.14	6027	7959	7044	7524	6422
## ENSG00000200355.1	0	0	0	0	0
## ENSG00000201458.1	0	0	0	0	1
## ENSG00000227440.1	13	7	8	18	16
## ENSG00000237501.1	0	1	1	0	1
## ENSG00000144962.7	2	0	2	0	4
## ENSG00000237473.2	1	0	0	1	0
## ENSG00000169760.18	110	99	154	93	118
## ENSG00000237645.1	0	0	0	0	0
## ENSG00000289417.1	0	0	0	0	0
## ENSG00000228213.5	0	0	0	0	0
## ENSG00000252982.1	0	0	0	0	0
## ENSG00000232601.1	0	0	0	0	0
## ENSG00000213169.3	26	34	22	33	54
## ENSG00000177694.16	137	191	177	210	141
## ENSG00000253020.2	1	0	0	0	0
## ENSG00000230497.2	0	0	0	0	0
## ENSG00000230292.5	0	0	0	0	0
## ENSG00000226779.1	0	0	0	0	0
## ENSG00000264974.1	0	0	0	0	0
## ENSG00000199792.1	0	0	0	0	0
## ENSG00000288104.1	0	0	0	0	0
## ENSG00000201648.1	0	0	0	0	0
## ENSG00000236241.1	0	0	0	0	0
## ENSG00000214192.3	15	17	16	21	9
## ENSG00000201452.1	0	0	0	0	0
## ENSG00000225552.1	0	0	0	0	0
## ENSG00000260217.1	0	0	0	0	0
## ENSG00000230362.1	1	4	6	9	10
## ENSG00000236357.1	0	0	0	0	0

## ENSG00000271413.1	0	0	0	0	0
## ENSG00000238026.1	0	0	0	0	0
## ENSG00000288895.2	0	0	0	0	0
## ENSG00000223715.3	24	61	40	41	45
## ENSG00000283333.1	0	0	0	0	0
## ENSG00000252302.1	0	0	0	0	0
## ENSG00000228308.2	0	0	0	0	0
## ENSG00000231888.1	0	0	0	0	0
## ENSG00000177565.19	10075	15098	12649	12969	10405
## ENSG00000231310.3	2	1	0	0	1
## ENSG00000201343.1	0	0	0	0	0
## ENSG00000200882.1	0	0	0	0	0
## ENSG00000203645.2	6	11	7	10	5
## ENSG00000236893.1	0	0	0	0	0
## ENSG00000226782.2	0	0	0	0	0
## ENSG00000228221.6	7	5	17	8	9
## ENSG00000252028.1	0	0	0	0	0
## ENSG00000236385.1	0	0	0	2	0
## ENSG00000200288.1	0	0	0	0	0
## ENSG00000228561.2	0	0	0	0	0
## ENSG00000277241.1	0	0	0	0	0
## ENSG00000231574.7	18	39	15	33	12
## ENSG00000225790.3	2	7	1	1	2
## ENSG00000270321.2	0	0	1	0	0
## ENSG00000199858.1	0	0	0	0	0
## ENSG00000286003.1	0	1	3	5	1
## ENSG00000223930.9	7	5	9	12	10
## ENSG00000197584.13	10	13	9	6	6
## ENSG00000275163.1	0	0	0	0	0
## ENSG00000223941.5	1	2	1	4	0
## ENSG00000252336.1	0	0	0	0	0
## ENSG00000271131.1	0	2	0	0	0
## ENSG00000237978.6	31	51	20	51	36
## ENSG00000172667.11	6215	12024	8330	11493	8781
## ENSG00000200616.1	0	0	0	0	0
## ENSG00000229102.1	0	0	0	0	0
## ENSG00000121879.6	2189	3227	2904	3126	2432
## ENSG00000201957.1	0	0	0	0	0
## ENSG00000171121.17	44	74	63	79	55
## ENSG00000240429.1	60	60	84	98	61
## ENSG00000121864.10	3061	3680	3453	3522	3345
## ENSG00000260743.1	13	23	20	13	14
## ENSG00000171109.19	3051	3720	3504	3740	2981
## ENSG00000289574.1	3	12	9	8	2
## ENSG00000114450.11	530	504	661	467	513
## ENSG00000242539.2	0	0	0	0	0
## ENSG00000272699.1	0	3	0	3	0
## ENSG00000239255.1	0	0	0	0	0
## ENSG00000181260.8	3	1	4	4	5
## ENSG00000136518.17	6737	8393	7710	8405	7971
## ENSG00000272910.1	4	15	9	16	17
## ENSG00000272660.1	1	2	5	5	2
## ENSG00000136522.14	4831	5911	5147	5443	5633
## ENSG00000136521.13	2295	3044	2530	2570	2586

## ENSG00000288698.1	5	5	3	7	2
## ENSG00000239096.1	0	1	2	0	0
## ENSG00000243977.1	2	6	3	5	3
## ENSG00000058056.10	1296	1359	1382	1281	1348
## ENSG00000114757.19	136	121	181	98	118
## ENSG00000243799.1	0	0	1	0	0
## ENSG00000244302.2	0	0	0	0	0
## ENSG00000287645.1	0	0	0	0	0
## ENSG00000201822.1	0	0	0	0	0
## ENSG00000282327.1	0	0	0	0	0
## ENSG00000213158.6	0	0	0	0	0
## ENSG00000239880.1	0	2	1	1	3
## ENSG00000241696.2	0	0	0	0	0
## ENSG00000201810.1	0	0	0	0	0
## ENSG00000239774.1	3	8	2	2	3
## ENSG00000199986.1	0	0	0	0	0
## ENSG00000241946.1	0	0	0	0	0
## ENSG00000163728.11	781	1130	870	999	793
## ENSG00000284862.3	12	14	13	17	8
## ENSG00000145075.13	0	0	0	0	0
## ENSG00000243187.1	2	2	1	1	1
## ENSG00000285336.1	1	0	3	0	0
## ENSG00000242811.3	0	0	0	0	0
## ENSG00000242068.1	0	0	2	1	2
## ENSG00000241473.1	0	0	0	0	0
## ENSG00000239516.1	0	0	0	0	0
## ENSG00000114416.19	17578	18772	20774	18038	17081
## ENSG00000213157.3	0	0	0	0	1
## ENSG00000205981.9	1540	1768	1763	1910	1898
## ENSG00000242808.12	15	7	9	2	10
## ENSG00000242140.1	1	1	2	3	2
## ENSG00000206932.1	11	8	11	8	3
## ENSG00000237806.1	0	0	0	0	0
## ENSG00000241231.2	0	0	0	0	0
## ENSG00000235294.1	0	0	0	0	0
## ENSG00000239381.7	0	0	0	0	0
## ENSG00000276074.1	0	0	0	0	0
## ENSG00000276690.1	0	0	0	0	0
## ENSG00000289435.1	1	0	0	0	0
## ENSG00000181449.4	1450	588	1577	495	1398
## ENSG00000278026.1	0	0	0	0	0
## ENSG00000266317.2	0	0	0	0	0
## ENSG00000199839.1	0	0	0	0	0
## ENSG00000239805.1	0	0	0	0	0
## ENSG00000213155.4	0	1	0	0	0
## ENSG00000242512.9	2	0	0	0	2
## ENSG00000252257.1	0	0	0	0	0
## ENSG00000286453.1	0	0	0	0	0
## ENSG00000240478.1	0	0	0	0	0
## ENSG00000287605.1	0	0	0	0	0
## ENSG00000242012.1	0	0	0	0	0
## ENSG00000241098.1	0	0	0	0	0
## ENSG00000244199.1	1	0	1	3	1
## ENSG00000244247.2	0	0	1	0	0

## ENSG00000287941.1	2	0	0	0	0
## ENSG00000228766.3	1	1	5	3	2
## ENSG00000238837.3	0	0	0	0	0
## ENSG00000243378.1	0	0	0	0	0
## ENSG00000260377.1	0	0	0	0	0
## ENSG00000240063.1	3	0	3	2	5
## ENSG00000058063.16	6738	6718	8469	6638	6162
## ENSG00000270554.1	0	0	1	0	0
## ENSG00000273261.1	15	14	17	8	20
## ENSG00000043093.15	4571	6628	5723	5774	4967
## ENSG00000244346.1	0	1	1	0	1
## ENSG00000078070.14	1855	2204	2216	2397	2122
## ENSG00000243368.2	0	5	2	3	1
## ENSG00000078081.8	111	137	133	169	142
## ENSG00000053524.13	42	25	50	34	40
## ENSG00000176597.12	2624	3336	3177	3147	2847
## ENSG00000202502.1	0	0	3	0	0
## ENSG00000289859.1	0	0	0	0	0
## ENSG00000291106.1	428	538	502	528	511
## ENSG00000240024.8	0	0	1	0	0
## ENSG00000201229.1	1	1	0	0	0
## ENSG00000253092.1	1	3	2	5	3
## ENSG00000199363.1	0	0	0	0	0
## ENSG00000251730.1	0	0	0	2	0
## ENSG00000271682.1	0	0	0	0	0
## ENSG00000172578.12	1	5	3	7	5
## ENSG00000242522.1	0	0	0	0	0
## ENSG00000243584.1	1	3	1	0	0
## ENSG00000114796.16	3089	5351	4179	5309	3593
## ENSG00000163872.16	6034	7275	7554	8277	6332
## ENSG00000233885.7	10	26	18	27	17
## ENSG00000283765.1	1	1	4	1	0
## ENSG00000180834.8	6	7	9	10	18
## ENSG00000175193.14	806	1037	874	991	955
## ENSG00000293259.1	0	0	0	2	0
## ENSG00000263932.1	0	0	0	0	0
## ENSG00000234371.7	0	0	0	0	1
## ENSG00000233441.7	0	0	0	0	0
## ENSG00000293463.1	0	0	0	0	0
## ENSG00000114770.17	2730	2975	3070	3148	2861
## ENSG00000223882.1	0	0	0	0	0
## ENSG00000223529.1	96	85	85	128	158
## ENSG00000186090.11	0	0	0	0	0
## ENSG00000178084.2	0	4	1	1	0
## ENSG00000233576.1	0	0	0	0	0
## ENSG00000207351.1	0	0	0	0	0
## ENSG00000238020.1	0	0	0	0	0
## ENSG00000186038.9	0	0	0	0	0
## ENSG00000205955.4	6	7	7	4	13
## ENSG00000273181.1	6	5	11	8	4
## ENSG00000272721.5	15	15	11	12	10
## ENSG00000145191.15	4670	5153	5131	5422	5265
## ENSG00000228205.1	84	95	99	96	147
## ENSG00000161202.20	6905	7800	7884	8211	8310

## ENSG00000161203.14	19763	22800	21934	22511	26556
## ENSG00000161204.12	3571	3877	3797	3810	4100
## ENSG00000145198.15	906	521	1007	504	874
## ENSG00000221120.1	0	0	0	0	0
## ENSG00000214160.10	3263	3957	3689	3998	4781
## ENSG00000284753.2	358	431	386	434	508
## ENSG00000284917.1	0	0	0	0	0
## ENSG00000163888.4	61	66	101	70	118
## ENSG00000145194.19	0	0	0	0	0
## ENSG00000175166.17	28400	31913	31402	30863	33678
## ENSG00000114867.22	51477	60553	57650	58479	61194
## ENSG00000212158.1	1	0	0	0	0
## ENSG00000175182.15	687	703	755	745	873
## ENSG00000114859.16	972	1260	1204	1364	1268
## ENSG00000163882.10	3922	5040	4407	5412	5467
## ENSG00000090534.20	290	249	319	216	361
## ENSG00000289500.2	19	10	14	19	9
## ENSG00000090539.16	266	247	293	218	344
## ENSG00000224153.3	0	0	0	0	0
## ENSG00000283625.1	0	0	0	0	0
## ENSG00000227509.1	1	0	0	0	0
## ENSG00000230215.1	0	0	0	0	0
## ENSG00000182580.3	1461	1241	1724	1370	1808
## ENSG00000177383.5	3770	4613	4450	4938	4803
## ENSG00000272970.5	53	96	71	98	83
## ENSG00000229433.2	0	0	0	0	0
## ENSG00000273403.1	6	5	5	3	9
## ENSG00000272922.1	0	1	1	0	0
## ENSG00000288576.1	0	0	0	0	0
## ENSG00000156931.16	3510	3991	3973	3794	3418
## ENSG00000187068.3	182	434	201	363	262
## ENSG00000223358.5	0	0	0	1	0
## ENSG00000113790.11	988	1595	1176	1552	1148
## ENSG00000229704.1	1	0	1	1	0
## ENSG00000264614.1	0	0	0	0	0
## ENSG00000073803.14	908	2226	1025	2099	2001
## ENSG00000229638.1	708	740	726	828	1035
## ENSG00000163900.11	2671	4069	3197	4434	3346
## ENSG00000286086.1	4	9	5	3	3
## ENSG00000163898.10	394	874	702	819	501
## ENSG00000163904.13	4062	5372	4875	5122	4496
## ENSG00000236489.1	0	0	1	1	0
## ENSG00000073792.16	13411	16585	15735	16451	15725
## ENSG00000163915.7	2	0	4	9	3
## ENSG00000265470.1	2	0	0	1	0
## ENSG00000136527.19	15948	18806	17982	17331	19198
## ENSG00000290862.1	0	3	0	0	0
## ENSG00000171658.9	0	0	0	0	0
## ENSG00000244405.8	2331	3328	2784	3311	3315
## ENSG00000277118.1	0	0	0	0	0
## ENSG00000234197.1	0	0	1	3	3
## ENSG00000058866.15	132	59	147	54	85
## ENSG00000234548.7	2	0	0	0	0
## ENSG00000224406.6	0	1	4	0	0

## ENSG00000226859.1	3	8	3	8	9
## ENSG00000213139.8	19	20	30	38	24
## ENSG00000113838.13	968	1145	1097	1125	991
## ENSG00000090520.12	5581	7747	6130	7488	6902
## ENSG00000197099.8	0	2	0	0	0
## ENSG00000283149.1	0	0	0	0	0
## ENSG00000283390.1	5	9	12	20	20
## ENSG00000145192.13	138	156	436	445	169
## ENSG00000275696.1	0	0	0	0	0
## ENSG00000090512.12	0	0	0	0	1
## ENSG00000113905.5	5	2	4	5	2
## ENSG00000225175.1	0	0	0	0	0
## ENSG00000226724.1	0	0	0	0	0
## ENSG00000113889.14	8	11	20	34	10
## ENSG00000293182.1	0	1	1	1	0
## ENSG00000226652.4	0	0	0	0	0
## ENSG00000207505.1	0	0	0	0	0
## ENSG00000230951.1	2	0	0	0	0
## ENSG00000263826.1	12	14	15	11	18
## ENSG00000156976.17	22270	28751	28849	31994	25114
## ENSG00000238942.1	0	0	0	0	0
## ENSG00000200418.1	0	0	0	0	0
## ENSG00000283958.1	0	0	0	0	0
## ENSG00000221420.2	0	0	0	0	0
## ENSG00000200320.1	0	0	0	0	0
## ENSG00000263776.1	0	0	0	0	0
## ENSG00000163918.12	2389	2602	2773	2704	2866
## ENSG00000231724.1	0	1	0	0	1
## ENSG00000232233.1	4	0	8	2	6
## ENSG00000231982.1	0	3	0	0	0
## ENSG00000289971.1	8	9	6	4	13
## ENSG00000181092.10	0	0	1	0	0
## ENSG00000226482.1	0	0	0	0	0
## ENSG00000223803.1	38	28	41	52	52
## ENSG00000233565.1	0	0	0	1	0
## ENSG00000073849.16	12638	15144	14830	15055	14648
## ENSG00000163923.10	850	950	946	1081	1078
## ENSG00000198491.3	0	0	0	0	0
## ENSG00000175077.6	0	3	2	4	2
## ENSG00000127241.18	1071	2817	1552	2919	1647
## ENSG00000283175.1	0	7	5	9	7
## ENSG00000136514.3	2	1	1	5	4
## ENSG00000280270.1	0	1	0	0	4
## ENSG00000239093.1	0	1	1	0	2
## ENSG00000228952.1	8	3	16	10	5
## ENSG00000157005.4	1058	166	894	156	1337
## ENSG00000198471.1	0	0	0	0	1
## ENSG00000228804.5	0	0	0	0	0
## ENSG00000113916.18	581	871	719	925	715
## ENSG00000285938.1	7	5	5	15	3
## ENSG00000290021.1	4	15	8	15	3
## ENSG00000289331.2	0	4	4	1	1
## ENSG00000224049.1	0	0	2	3	3
## ENSG00000236864.1	0	0	0	0	0

## ENSG00000224187.1	0	0	1	0	0
## ENSG00000225058.1	3	5	0	2	1
## ENSG00000236412.1	1	3	2	2	6
## ENSG00000234238.2	0	0	0	0	0
## ENSG00000270959.2	62	76	65	73	71
## ENSG00000145012.15	12131	20017	16155	19947	11889
## ENSG00000279891.1	1	3	0	0	0
## ENSG00000288794.1	0	0	0	0	0
## ENSG00000224563.1	0	4	0	0	0
## ENSG00000207651.1	0	0	0	0	0
## ENSG00000234076.2	1	2	2	1	0
## ENSG00000188001.10	7	25	19	18	12
## ENSG00000236182.1	0	0	0	1	0
## ENSG00000230115.1	0	0	0	0	0
## ENSG00000073282.14	3	38	7	66	16
## ENSG00000227971.1	0	0	0	0	1
## ENSG00000216058.1	0	0	0	0	0
## ENSG00000090530.10	3711	4569	3938	4708	4443
## ENSG00000230077.1	0	0	2	3	2
## ENSG00000225764.3	6	8	2	6	9
## ENSG00000212489.1	0	0	0	0	0
## ENSG00000238077.1	0	0	0	0	0
## ENSG00000163347.6	3165	5562	3854	5315	4217
## ENSG00000113946.4	10	28	26	43	26
## ENSG00000198398.3	1	5	2	9	4
## ENSG00000196083.11	964	1421	1182	1536	1206
## ENSG00000231047.1	0	0	1	1	0
## ENSG00000223117.1	0	0	0	0	0
## ENSG00000228730.2	0	0	0	0	0
## ENSG00000232610.1	0	0	0	0	0
## ENSG00000214147.2	1	0	2	0	0
## ENSG00000205835.9	1	13	13	9	9
## ENSG00000188729.7	2	0	1	1	1
## ENSG00000233308.2	1	0	0	0	0
## ENSG00000188958.10	4	6	11	10	10
## ENSG00000152492.15	5864	7286	6883	6806	6675
## ENSG00000223812.8	0	1	1	0	0
## ENSG00000253548.1	0	0	0	0	0
## ENSG00000201860.1	0	0	0	0	0
## ENSG00000237653.2	0	0	0	0	0
## ENSG00000232353.5	0	0	0	0	0
## ENSG00000287178.1	0	0	0	0	0
## ENSG00000222583.1	0	0	0	0	0
## ENSG00000114279.15	304	249	342	187	299
## ENSG00000231383.2	0	0	0	0	0
## ENSG00000230126.1	13	8	13	3	13
## ENSG00000226709.1	11	12	5	12	10
## ENSG00000238902.1	0	0	0	0	0
## ENSG00000289165.2	4	0	1	4	1
## ENSG00000200184.1	0	0	0	0	0
## ENSG00000180611.7	1902	1897	2128	1946	2055
## ENSG00000232130.1	0	0	0	0	0
## ENSG00000236229.1	2	1	2	4	1
## ENSG00000127252.7	261	234	271	282	341

## ENSG00000187527.12	3	8	9	12	5
## ENSG00000236508.1	6	6	2	5	7
## ENSG00000127249.15	233	514	249	523	203
## ENSG00000225473.1	0	0	0	0	0
## ENSG00000236297.2	2	2	4	4	1
## ENSG00000293063.1	0	0	2	2	0
## ENSG00000198836.11	8537	10812	10350	10493	8676
## ENSG00000224855.5	2	4	3	2	2
## ENSG00000207370.1	2	2	0	4	1
## ENSG00000243991.3	0	0	0	0	0
## ENSG00000223986.1	0	0	0	0	0
## ENSG00000286624.1	0	0	0	0	0
## ENSG00000287206.1	3	4	3	6	4
## ENSG00000229155.2	1790	2171	1937	2158	1945
## ENSG00000214146.3	4	3	3	4	4
## ENSG00000238043.1	0	1	0	0	0
## ENSG00000224403.1	0	0	0	0	0
## ENSG00000230102.8	8	4	12	16	10
## ENSG00000276407.5	0	0	0	0	0
## ENSG00000229964.1	0	0	0	0	0
## ENSG00000232874.1	4	7	6	20	8
## ENSG00000289385.1	5	0	0	1	3
## ENSG00000114315.4	5735	7110	6500	7445	7654
## ENSG00000242201.3	0	0	1	0	0
## ENSG00000225742.6	67	86	50	81	75
## ENSG00000238097.3	0	3	0	1	0
## ENSG00000228271.2	3	1	0	2	2
## ENSG00000214145.8	40	29	33	50	64
## ENSG00000286317.1	0	0	0	0	0
## ENSG00000178772.7	4	6	4	0	1
## ENSG00000172061.9	11	15	19	11	10
## ENSG00000178732.6	2	5	1	0	4
## ENSG00000133657.17	18456	26120	22572	25888	18099
## ENSG00000271483.1	0	0	0	1	0
## ENSG00000233058.3	317	350	412	322	335
## ENSG00000244675.2	3	3	6	8	2
## ENSG00000252053.1	0	0	0	0	0
## ENSG00000232873.1	0	0	2	1	0
## ENSG00000231770.8	137	203	163	180	171
## ENSG00000288979.1	24	20	36	23	30
## ENSG00000145014.18	823	841	939	990	958
## ENSG00000229334.2	14	10	16	18	33
## ENSG00000272707.1	4	5	5	15	6
## ENSG00000041802.11	4142	4662	4479	4609	4437
## ENSG00000185112.6	91	194	105	168	122
## ENSG00000233987.2	0	0	0	0	0
## ENSG00000287073.1	0	0	0	0	0
## ENSG00000237222.4	0	1	1	3	1
## ENSG00000234805.1	0	0	0	3	0
## ENSG00000230401.1	0	0	0	0	0
## ENSG00000238031.1	0	0	0	0	0
## ENSG00000173950.16	2897	3320	3293	3227	3889
## ENSG00000233303.1	0	0	0	0	0
## ENSG00000265333.1	0	0	0	0	0

## ENSG00000244314.3	0	0	0	0	0
## ENSG00000230266.2	0	0	0	0	0
## ENSG00000206600.1	0	0	0	1	0
## ENSG00000287005.1	8	6	3	5	1
## ENSG00000114331.16	1962	2867	2720	2825	1966
## ENSG00000229325.1	5	4	7	7	5
## ENSG00000227433.1	0	0	0	0	0
## ENSG00000207368.1	0	0	0	0	0
## ENSG00000184203.8	2658	3318	3174	2717	2817
## ENSG00000252620.1	0	0	1	1	0
## ENSG00000223711.2	5	7	3	6	4
## ENSG00000265882.2	0	0	0	0	0
## ENSG00000236844.1	8	2	4	6	10
## ENSG00000236425.1	0	0	0	0	0
## ENSG00000189058.9	9	15	11	13	23
## ENSG00000224769.1	6	6	8	7	1
## ENSG00000289929.1	10	13	12	26	11
## ENSG00000282206.1	6	3	4	6	0
## ENSG00000271662.1	13	17	20	13	20
## ENSG00000229178.1	6	4	6	4	5
## ENSG00000242086.8	204	271	256	297	200
## ENSG00000215837.7	0	0	0	0	0
## ENSG00000207650.1	7	9	5	8	4
## ENSG00000283426.1	0	0	0	0	0
## ENSG00000176945.18	53	76	69	54	44
## ENSG00000145113.22	321	333	364	361	308
## ENSG00000223783.1	2	3	1	3	1
## ENSG00000235836.1	0	1	0	0	0
## ENSG00000061938.21	1139	1092	1298	1224	1372
## ENSG00000276489.1	0	0	0	0	0
## ENSG00000286004.1	9	11	16	23	10
## ENSG00000224614.2	9	8	3	5	4
## ENSG00000289747.1	0	0	0	0	0
## ENSG00000290762.1	59	78	87	64	58
## ENSG00000239122.1	1	0	2	3	2
## ENSG00000231443.2	14	12	16	24	12
## ENSG00000260261.3	0	0	0	1	0
## ENSG00000290763.1	64	100	91	130	79
## ENSG00000185485.15	0	0	0	0	0
## ENSG00000286168.2	5	3	3	1	3
## ENSG00000231464.1	0	1	2	1	4
## ENSG00000072274.14	10759	15226	13383	16104	11521
## ENSG00000228413.1	0	2	1	5	3
## ENSG00000252174.1	0	2	0	0	0
## ENSG00000289219.1	0	0	0	0	0
## ENSG00000224652.4	0	0	0	0	0
## ENSG00000163958.14	4	3	4	4	6
## ENSG00000222335.1	0	0	0	0	0
## ENSG00000163959.10	75	122	105	122	96
## ENSG00000161217.12	4150	5269	4612	5137	4017
## ENSG00000272741.1	0	1	0	4	0
## ENSG00000228028.2	1	4	3	1	0
## ENSG00000213123.11	234	281	254	222	290
## ENSG00000237418.1	0	5	1	5	5

## ENSG00000273331.1	0	0	0	0	0
## ENSG00000235897.1	2	8	2	6	7
## ENSG00000145107.16	2	0	1	0	0
## ENSG00000212146.1	0	0	0	0	0
## ENSG00000163960.12	8645	11519	10987	10750	8710
## ENSG00000206644.1	0	0	0	0	0
## ENSG00000241868.3	1	0	1	3	0
## ENSG00000243339.3	9	13	12	24	15
## ENSG00000226345.1	1	0	0	0	1
## ENSG00000225822.4	0	2	1	3	2
## ENSG00000225240.1	0	0	0	0	0
## ENSG00000163961.4	2400	2906	2978	2567	2568
## ENSG00000273013.1	4	1	2	1	2
## ENSG00000214097.5	3	1	0	0	3
## ENSG00000213358.3	0	0	0	0	0
## ENSG00000225770.1	1	4	1	6	9
## ENSG00000185798.8	587	664	677	723	618
## ENSG00000174013.8	2407	2940	2912	2721	2628
## ENSG00000286661.1	0	0	0	0	0
## ENSG00000232065.2	5	9	9	5	8
## ENSG00000288990.2	0	7	1	2	2
## ENSG00000174004.6	36	23	34	32	50
## ENSG00000163964.18	1980	2562	2423	2438	2236
## ENSG00000290054.1	0	0	0	0	0
## ENSG00000174007.9	323	393	344	421	379
## ENSG00000201441.1	0	1	0	0	0
## ENSG00000180370.10	14946	19692	17887	18068	15680
## ENSG00000272359.1	6	11	3	5	4
## ENSG00000206892.1	1	1	0	0	0
## ENSG00000289446.1	6	2	7	2	2
## ENSG00000119231.11	3076	4025	3796	4172	3457
## ENSG00000230732.4	2	8	2	4	4
## ENSG00000114503.11	8775	12357	10407	12508	10314
## ENSG00000225578.1	7	15	12	9	8
## ENSG00000270170.2	1276	1477	1315	1600	1785
## ENSG00000119227.8	444	650	571	757	642
## ENSG00000286017.1	16	20	9	19	18
## ENSG00000163975.14	556	1027	646	1063	726
## ENSG00000233487.7	0	0	0	0	0
## ENSG00000228109.2	13	18	15	23	25
## ENSG00000075711.21	6570	8078	8122	8487	6731
## ENSG00000289396.1	6	18	18	14	3
## ENSG00000265850.1	0	0	0	0	0
## ENSG00000227375.6	7	9	11	10	17
## ENSG00000286870.1	0	3	6	2	4
## ENSG00000289828.1	0	0	0	0	0
## ENSG00000235126.1	0	0	0	0	0
## ENSG00000229912.1	0	0	0	2	0
## ENSG00000237167.1	0	0	0	0	0
## ENSG00000272989.1	10	4	7	11	9
## ENSG00000161267.12	854	812	919	854	970
## ENSG00000291091.1	379	494	453	488	406
## ENSG00000213519.2	0	1	3	5	0
## ENSG00000214135.11	0	0	0	0	0

## ENSG00000249626.1	55	66	76	66	59
## ENSG00000273308.1	3	7	6	8	10
## ENSG00000286909.1	18	25	26	30	28
## ENSG00000236833.1	1	0	0	1	1
## ENSG00000287286.1	0	0	0	0	0
## ENSG00000145016.17	615	752	741	721	700
## ENSG00000284146.1	0	0	0	0	0
## ENSG00000122068.13	5310	6027	6179	5861	5587
## ENSG00000273375.1	0	0	3	0	5
## ENSG00000186001.14	2971	3610	3564	3827	3220
## ENSG00000234136.1	0	0	0	1	0
## ENSG00000234742.1	41	43	36	60	67
## ENSG00000114473.14	721	750	816	719	705
## ENSG00000199306.1	0	0	0	1	0
## ENSG00000182899.17	37753	48721	44635	50766	56570
## ENSG00000185621.11	564	644	643	699	581
## ENSG00000201622.1	0	0	0	0	0
## ENSG00000286755.1	2	1	1	0	4
## ENSG00000232832.1	0	0	0	1	0
## ENSG00000226435.13	0	0	0	0	0
## ENSG00000291192.1	0	0	0	0	1
## ENSG00000212297.1	0	0	0	0	0
## ENSG00000290936.1	0	0	0	0	0
## ENSG00000232783.6	0	0	0	0	0
## ENSG00000213113.3	2	1	0	2	4
## ENSG00000236246.2	0	0	0	0	0
## ENSG00000290937.1	62	72	79	88	70
## ENSG00000236438.8	0	0	0	0	0
## ENSG00000222792.1	0	0	0	0	0
## ENSG00000230304.1	2	2	1	1	0
## ENSG00000226008.1	0	0	0	0	0
## ENSG00000292991.1	0	0	0	0	0
## ENSG00000248302.4	0	0	0	0	0
## ENSG00000272602.6	858	1068	1041	1085	903
## ENSG00000289361.1	35	85	73	61	58
## ENSG00000250238.1	1	1	1	2	0
## ENSG00000250312.8	846	1098	974	1042	871
## ENSG00000275426.1	1	4	8	3	5
## ENSG00000250892.1	4	9	7	4	6
## ENSG00000290382.1	145	176	149	142	141
## ENSG00000198155.6	11	9	20	9	7
## ENSG00000251188.1	82	111	110	119	84
## ENSG00000251689.1	57	50	63	74	44
## ENSG00000186777.13	503	524	530	517	453
## ENSG00000286705.2	8	10	8	8	7
## ENSG00000251535.1	1	0	2	2	0
## ENSG00000131127.14	1378	1840	1705	1632	1439
## ENSG00000248564.1	1	0	1	1	3
## ENSG00000250321.1	17	22	18	26	24
## ENSG00000207642.1	2	0	0	1	0
## ENSG00000281016.1	4	2	1	2	2
## ENSG00000249025.1	0	0	0	0	0
## ENSG00000272885.1	12	17	10	7	8
## ENSG00000293360.1	92	132	121	103	104

## ENSG00000251595.8	7	5	12	7	3
## ENSG00000182903.16	1677	2206	2122	2318	1650
## ENSG00000174227.16	2573	3541	2682	3692	2995
## ENSG00000273238.3	24	18	42	10	46
## ENSG00000283183.4	26	20	39	25	32
## ENSG00000133256.13	385	467	501	453	461
## ENSG00000242686.4	3	5	0	6	3
## ENSG00000272927.1	13	14	20	9	10
## ENSG00000169020.10	2751	3339	3333	3778	4254
## ENSG00000215375.7	239	257	217	283	288
## ENSG00000169026.13	65	49	73	49	71
## ENSG00000185619.19	3277	4554	3873	4621	3878
## ENSG00000248416.1	1	0	1	0	0
## ENSG00000272588.1	1	4	3	2	1
## ENSG00000249592.7	271	398	373	352	293
## ENSG00000233799.1	0	2	3	4	5
## ENSG00000168993.15	273	182	284	203	327
## ENSG00000289983.1	14	19	13	24	14
## ENSG00000260262.1	0	0	0	0	0
## ENSG00000286205.1	0	1	2	2	0
## ENSG00000178950.18	4045	4712	4467	4842	4783
## ENSG00000127419.17	414	400	439	499	528
## ENSG00000145214.14	1283	1347	1344	1504	1601
## ENSG00000145217.14	131	122	113	110	122
## ENSG00000127415.13	255	287	272	300	363
## ENSG00000127418.15	9601	9992	10846	10117	14069
## ENSG00000250259.1	1	0	0	2	0
## ENSG00000178222.14	92	87	81	112	114
## ENSG00000251639.2	2	5	2	1	5
## ENSG00000251652.1	0	1	0	0	0
## ENSG00000293496.1	0	0	0	0	0
## ENSG00000215367.12	0	0	0	0	0
## ENSG00000212458.1	1	0	0	0	0
## ENSG00000227189.2	3	0	0	1	1
## ENSG00000159674.12	34	50	88	103	101
## ENSG00000273179.1	2	3	1	0	1
## ENSG00000280927.1	41	28	35	49	37
## ENSG00000159692.18	5928	6631	6418	6730	7952
## ENSG00000196810.6	1101	1249	1242	1386	1374
## ENSG00000090316.16	4932	5836	5403	6224	6641
## ENSG00000163945.19	1509	2085	1833	2224	1456
## ENSG00000254094.1	0	1	1	0	0
## ENSG00000253399.1	0	0	0	3	1
## ENSG00000235608.2	0	0	0	0	0
## ENSG00000272783.1	0	1	0	0	0
## ENSG00000244459.4	11	19	17	14	16
## ENSG00000174137.14	67	36	54	58	72
## ENSG00000207009.1	0	2	0	0	0
## ENSG00000163950.13	5004	5562	5609	5640	5781
## ENSG00000013810.21	7191	7317	8013	7314	9100
## ENSG00000168936.12	2817	3064	3017	3467	3609
## ENSG00000068078.20	3334	4026	3621	4418	4289
## ENSG00000168924.15	6528	7791	7681	7871	8357
## ENSG00000109685.19	14296	16348	17142	16394	15978

## ENSG00000249784.1	0	0	0	0	0
## ENSG00000185049.16	2607	2625	2855	2750	3220
## ENSG00000284587.1	0	0	0	0	0
## ENSG00000243449.8	436	216	427	353	704
## ENSG00000185818.8	4021	3876	4672	4053	5362
## ENSG00000130997.16	9	10	15	18	11
## ENSG00000290263.1	0	0	0	0	0
## ENSG00000249006.1	0	2	0	1	0
## ENSG00000250623.1	0	0	0	0	0
## ENSG00000214367.10	214	298	301	252	209
## ENSG00000249047.2	1	1	4	1	0
## ENSG00000123933.17	5965	7212	6332	7160	8042
## ENSG00000284276.1	0	0	0	0	0
## ENSG00000159733.14	41	47	65	63	50
## ENSG00000251148.1	0	0	0	0	0
## ENSG00000239247.3	0	0	0	0	0
## ENSG00000249077.1	0	0	0	0	0
## ENSG00000206113.12	4	2	4	9	5
## ENSG00000063978.17	4981	6233	5701	6752	5994
## ENSG00000248399.1	1	1	0	0	1
## ENSG00000251229.1	1	1	0	4	1
## ENSG00000290180.1	0	0	0	0	0
## ENSG00000125386.16	2472	2971	2899	3181	3102
## ENSG00000248155.1	0	1	0	0	1
## ENSG00000206738.1	0	0	0	0	0
## ENSG00000168884.15	1444	1708	1503	1693	1973
## ENSG00000087266.17	2152	2459	2618	2662	2564
## ENSG00000087274.19	14659	17425	17043	17828	17381
## ENSG00000287099.1	0	1	0	0	0
## ENSG00000109736.15	2943	3301	3485	3389	4093
## ENSG00000249673.9	806	819	906	878	927
## ENSG00000087269.16	6640	7739	7512	7843	7585
## ENSG00000125388.20	332	312	336	336	355
## ENSG00000197386.14	12653	15530	14556	16293	13695
## ENSG00000199335.1	0	0	0	0	0
## ENSG00000251075.2	1	0	0	1	0
## ENSG00000278778.1	0	0	0	0	0
## ENSG00000274693.1	0	0	0	0	0
## ENSG00000188981.11	18	23	10	14	18
## ENSG00000159788.20	2289	2649	2550	2702	2805
## ENSG00000248840.3	8	9	9	15	10
## ENSG00000293213.1	2	10	6	3	4
## ENSG00000248843.1	0	0	1	0	0
## ENSG00000109758.9	10	16	11	17	12
## ENSG00000286900.1	0	0	1	1	1
## ENSG00000175920.18	4	10	12	8	12
## ENSG00000163956.13	10612	13825	11905	13810	15354
## ENSG00000270090.5	0	1	0	0	0
## ENSG00000216560.4	0	0	1	0	0
## ENSG00000250681.1	0	0	0	0	0
## ENSG00000250632.1	0	0	0	2	0
## ENSG00000250986.1	29	35	44	35	58
## ENSG00000184160.8	274	262	304	328	414
## ENSG00000251166.1	0	0	0	0	0

## ENSG00000234386.4	0	0	0	0	0
## ENSG00000249522.1	0	0	0	0	0
## ENSG00000253917.4	0	0	0	0	0
## ENSG00000271977.1	0	0	0	0	0
## ENSG00000251271.3	11	13	16	10	16
## ENSG00000290374.1	333	354	352	352	377
## ENSG00000251669.7	0	0	0	0	0
## ENSG00000250476.1	0	0	0	0	0
## ENSG00000288589.1	0	0	0	0	0
## ENSG00000290888.1	11	17	20	22	21
## ENSG00000243894.1	0	0	1	1	0
## ENSG00000250940.1	1	0	0	0	0
## ENSG00000284727.2	0	0	0	0	0
## ENSG00000248669.1	0	0	0	0	0
## ENSG00000198787.5	0	0	0	1	0
## ENSG00000250381.1	1	0	0	1	4
## ENSG00000250710.3	2	2	1	0	4
## ENSG00000249844.1	0	1	0	0	0
## ENSG00000163982.6	0	0	0	0	0
## ENSG00000132406.12	970	1320	1189	1268	1178
## ENSG00000289032.1	3	10	8	8	3
## ENSG00000145220.14	2575	2839	2830	2614	2786
## ENSG00000168826.16	170	218	233	259	197
## ENSG00000248516.1	0	0	0	0	0
## ENSG00000168824.15	3053	2282	3310	2329	3678
## ENSG00000168818.10	2229	2887	2404	2635	2685
## ENSG00000248221.1	0	0	0	0	0
## ENSG00000237170.3	0	0	2	1	1
## ENSG00000247708.8	274	318	346	319	260
## ENSG00000280310.1	21	16	28	25	28
## ENSG00000273396.3	1	0	6	1	1
## ENSG00000163132.8	12	14	16	17	15
## ENSG00000251587.1	5	3	6	5	3
## ENSG00000200761.1	0	0	0	0	0
## ENSG00000170891.11	13	5	26	9	17
## ENSG00000152953.13	53	30	54	25	42
## ENSG00000252266.1	0	0	0	0	0
## ENSG00000201496.1	0	0	0	0	0
## ENSG00000082929.8	1	2	2	0	3
## ENSG00000173040.13	451	505	485	514	500
## ENSG00000072840.13	1580	1907	1906	2025	1657
## ENSG00000072832.15	9189	7378	10074	7067	9668
## ENSG00000289414.2	13	3	7	5	6
## ENSG00000181215.17	11	8	8	4	8
## ENSG00000263631.1	0	0	0	0	0
## ENSG00000152969.21	2	5	1	2	2
## ENSG00000284684.1	0	0	0	0	0
## ENSG00000287786.1	0	0	0	0	0
## ENSG00000290803.1	55	14	51	15	37
## ENSG00000251408.1	2	1	0	0	0
## ENSG00000249896.3	0	0	0	0	0
## ENSG00000288588.1	0	0	2	2	0
## ENSG00000109501.15	4096	4247	4583	4058	5533
## ENSG00000286176.2	7	12	12	19	7

## ENSG00000074211.14	332	310	385	320	411
## ENSG00000013288.9	2812	3096	3094	3281	3405
## ENSG00000179010.16	25469	30293	28866	28755	31065
## ENSG00000251580.3	75	82	83	84	85
## ENSG00000284847.1	0	0	0	0	0
## ENSG00000170846.17	1196	1368	1349	1525	1442
## ENSG00000246526.3	3	7	3	2	4
## ENSG00000279859.2	0	2	0	1	1
## ENSG00000163993.7	229	398	247	432	331
## ENSG00000282742.1	0	2	1	1	1
## ENSG00000178988.11	4864	6082	5592	6005	5636
## ENSG00000186222.5	1247	1493	1328	1573	1620
## ENSG00000287331.1	0	0	1	0	0
## ENSG00000170871.12	7778	9924	9580	9980	7793
## ENSG00000132405.19	3395	4157	4044	4446	3733
## ENSG00000287104.2	66	50	84	60	77
## ENSG00000187904.3	0	0	1	1	0
## ENSG00000202392.1	0	0	0	1	0
## ENSG00000245748.1	4	12	11	10	6
## ENSG00000173013.6	147	194	181	162	264
## ENSG00000173011.12	1926	2317	2143	2253	2379
## ENSG00000109519.14	4309	5264	5157	5289	5614
## ENSG00000245468.5	11	6	2	5	4
## ENSG00000200867.1	0	0	0	0	0
## ENSG00000184985.17	314	375	413	348	383
## ENSG00000264658.1	0	0	0	0	0
## ENSG00000178597.7	587	390	683	424	728
## ENSG00000266690.1	0	0	0	0	0
## ENSG00000272620.2	7	20	11	13	7
## ENSG00000196526.11	1310	1536	1358	1481	1184
## ENSG00000287164.1	0	1	0	0	0
## ENSG00000228919.5	1	2	0	3	0
## ENSG00000163995.22	123	85	119	85	123
## ENSG00000207807.1	0	0	0	0	0
## ENSG00000273267.1	0	0	0	0	0
## ENSG00000251460.1	0	0	0	0	0
## ENSG00000290015.1	10	12	9	16	9
## ENSG00000250471.2	16	11	21	13	23
## ENSG00000125089.18	526	627	598	653	694
## ENSG00000170801.10	357	387	407	451	460
## ENSG00000249145.5	0	1	2	1	2
## ENSG00000251615.3	43	77	86	66	96
## ENSG00000087008.16	606	696	703	733	695
## ENSG00000202054.1	0	0	0	0	0
## ENSG00000155275.19	770	906	830	929	939
## ENSG00000251186.1	1	1	1	0	0
## ENSG00000205959.4	36	47	54	44	29
## ENSG00000155269.12	0	4	0	6	3
## ENSG00000109625.19	1	4	7	6	5
## ENSG00000250915.3	0	0	0	0	0
## ENSG00000215612.8	54	194	65	206	213
## ENSG00000258507.1	0	0	0	0	0
## ENSG00000197468.5	0	0	0	0	0
## ENSG00000249272.1	0	1	0	0	0

## ENSG00000250804.1	0	0	0	0	0
## ENSG00000249347.1	0	0	0	0	0
## ENSG00000284636.1	4	5	11	5	10
## ENSG00000271057.1	2	0	5	0	1
## ENSG00000251313.1	0	0	0	0	0
## ENSG00000288075.1	375	217	438	204	224
## ENSG00000250342.1	1	0	1	1	0
## ENSG00000287972.1	17	3	22	10	8
## ENSG00000249767.1	5	4	4	3	1
## ENSG00000163612.10	3	3	4	4	2
## ENSG00000250268.3	1	1	0	0	3
## ENSG00000229924.3	2	1	1	1	0
## ENSG00000231396.3	0	0	0	0	0
## ENSG00000233136.3	0	0	0	0	0
## ENSG00000227551.1	0	0	0	0	0
## ENSG00000232399.4	0	0	0	0	0
## ENSG00000249482.1	0	0	0	0	0
## ENSG00000223569.8	0	0	0	0	0
## ENSG00000250231.1	0	0	0	0	0
## ENSG00000249104.3	0	0	0	0	0
## ENSG00000250844.3	0	0	0	0	0
## ENSG00000248920.3	0	0	0	0	0
## ENSG00000250745.3	0	0	0	0	0
## ENSG00000249811.3	0	0	0	0	0
## ENSG00000248933.3	0	0	0	0	0
## ENSG00000250913.2	0	0	0	0	0
## ENSG00000232264.5	0	0	0	0	0
## ENSG00000230430.5	0	0	0	0	0
## ENSG00000229579.5	0	0	0	0	0
## ENSG00000227140.3	0	0	0	0	0
## ENSG00000235780.3	0	0	0	0	0
## ENSG00000231051.3	0	0	0	0	0
## ENSG00000231637.3	0	0	0	0	0
## ENSG00000251694.1	0	0	0	0	0
## ENSG00000228856.3	0	0	0	0	0
## ENSG00000205946.1	0	0	0	0	0
## ENSG00000219492.4	0	0	0	0	0
## ENSG00000188438.4	0	0	0	0	0
## ENSG00000252307.1	0	0	0	0	0
## ENSG00000232773.2	0	0	0	0	0
## ENSG00000186146.2	0	0	0	0	0
## ENSG00000248364.1	0	0	0	0	0
## ENSG00000284689.1	0	0	0	0	0
## ENSG00000250884.1	0	0	0	0	0
## ENSG00000251624.1	0	0	0	0	0
## ENSG00000249866.1	0	0	0	0	0
## ENSG00000249443.1	0	0	0	0	0
## ENSG00000284648.1	12	13	29	11	8
## ENSG00000242034.1	1	0	0	0	0
## ENSG00000221275.1	0	0	0	0	0
## ENSG00000244004.1	0	0	0	0	0
## ENSG00000287117.1	5	2	2	6	2
## ENSG00000249799.1	0	0	0	0	0
## ENSG00000250942.1	5	1	1	6	3

## ENSG00000186234.7	1	1	3	2	1
## ENSG00000251087.3	0	0	0	1	0
## ENSG00000203436.2	0	1	2	1	0
## ENSG00000249563.1	0	0	0	0	0
## ENSG00000250425.1	0	0	0	0	1
## ENSG00000109667.12	43	45	62	56	52
## ENSG00000169676.6	7	3	4	4	7
## ENSG00000252002.1	0	0	0	0	0
## ENSG00000249219.1	0	0	0	0	0
## ENSG00000250413.1	0	0	0	0	1
## ENSG00000071127.18	29618	38644	33063	36782	39356
## ENSG00000264931.1	1	1	1	0	0
## ENSG00000223086.1	0	0	0	0	0
## ENSG00000289865.1	2	0	1	3	0
## ENSG00000250393.1	0	0	0	0	0
## ENSG00000251296.1	0	0	0	0	0
## ENSG00000248777.1	0	0	0	0	0
## ENSG00000271544.1	0	0	0	0	0
## ENSG00000250040.2	0	0	0	1	0
## ENSG00000250573.1	0	0	0	0	0
## ENSG00000250074.1	0	0	0	0	0
## ENSG00000250505.1	0	0	0	0	0
## ENSG00000251278.1	0	0	0	0	0
## ENSG00000251338.1	0	0	0	0	0
## ENSG00000250613.1	0	0	0	0	0
## ENSG00000178163.8	4167	5518	4814	5404	4561
## ENSG00000287154.1	0	0	0	1	0
## ENSG00000248419.2	0	0	0	0	0
## ENSG00000109684.16	0	0	2	0	0
## ENSG00000249334.1	8	1	2	5	6
## ENSG00000283083.2	0	0	0	0	0
## ENSG00000207716.1	0	0	0	0	0
## ENSG00000250896.1	31	16	21	30	33
## ENSG00000002587.10	223	272	238	235	365
## ENSG00000222182.1	0	0	1	0	0
## ENSG00000287778.2	4	1	5	3	2
## ENSG00000251152.1	0	1	0	1	0
## ENSG00000249631.7	3	2	1	1	0
## ENSG00000248300.1	0	0	0	0	1
## ENSG00000248262.1	0	0	0	0	0
## ENSG00000251210.6	0	0	3	0	0
## ENSG00000212282.1	0	0	0	0	0
## ENSG00000249995.1	0	0	0	0	0
## ENSG00000249780.1	1	2	1	1	3
## ENSG00000250371.1	1	1	1	0	0
## ENSG00000250098.1	1	0	0	0	0
## ENSG00000283271.1	0	0	0	0	0
## ENSG00000292984.1	0	0	0	0	0
## ENSG00000205940.9	5	4	11	6	10
## ENSG00000157869.16	1317	1733	1562	1672	1560
## ENSG00000286297.1	2	0	0	2	0
## ENSG00000281202.2	0	0	0	0	0
## ENSG00000109705.8	2	2	3	4	1
## ENSG00000246095.2	2	9	4	3	2

## ENSG00000038219.13	4205	5323	5129	5888	3985
## ENSG000000266240.1	0	1	0	0	1
## ENSG000000249148.2	0	0	0	0	2
## ENSG000000242209.1	0	0	0	0	0
## ENSG000000250634.6	6	1	5	3	2
## ENSG000000288951.2	0	0	0	0	0
## ENSG000000250497.1	0	0	0	0	0
## ENSG000000224569.3	0	0	0	0	0
## ENSG000000293010.1	0	0	0	0	0
## ENSG000000248698.7	0	0	0	0	0
## ENSG000000251679.1	0	0	0	0	0
## ENSG000000249988.1	0	0	0	0	0
## ENSG000000287360.1	0	0	0	0	0
## ENSG000000251412.1	0	0	0	0	0
## ENSG000000248425.1	0	0	0	0	0
## ENSG000000248360.7	0	2	4	3	4
## ENSG000000251252.1	0	0	0	0	0
## ENSG000000202449.1	0	0	0	0	0
## ENSG000000247624.6	0	0	1	0	0
## ENSG000000137449.17	356	626	477	531	415
## ENSG000000249252.5	0	0	2	2	0
## ENSG000000199420.1	0	0	0	0	0
## ENSG000000163145.13	0	1	0	2	0
## ENSG000000251379.1	0	1	1	0	0
## ENSG000000048342.18	1167	1490	1259	1528	1208
## ENSG000000249930.1	0	1	0	0	0
## ENSG000000273133.1	10	10	3	8	7
## ENSG000000118564.15	4171	4898	4793	5020	4775
## ENSG000000237765.8	811	1174	937	1048	913
## ENSG000000288606.1	0	3	0	0	0
## ENSG000000109743.11	100	100	101	95	99
## ENSG000000214846.4	4	5	7	17	18
## ENSG000000248188.2	0	0	0	0	0
## ENSG000000004468.13	2	11	4	10	5
## ENSG000000251644.1	0	0	0	0	0
## ENSG000000137440.5	4	33	12	20	10
## ENSG000000137441.8	3	4	3	2	3
## ENSG000000007062.12	35161	59440	42510	58089	45688
## ENSG000000286280.1	1	1	0	1	0
## ENSG000000169762.17	1415	2132	1571	1819	1727
## ENSG000000249234.1	1	1	1	1	0
## ENSG000000263327.6	67	93	88	95	87
## ENSG000000242358.1	0	0	0	0	0
## ENSG000000248851.1	0	0	0	2	0
## ENSG000000286888.1	0	1	0	0	1
## ENSG000000249506.4	0	0	0	0	0
## ENSG000000293014.1	0	0	0	0	0
## ENSG000000248138.5	0	0	0	0	0
## ENSG000000169744.13	116	44	98	77	71
## ENSG000000287081.1	0	0	0	0	0
## ENSG000000249998.1	0	0	0	0	0
## ENSG000000251212.1	0	0	0	0	0
## ENSG000000250819.2	0	0	0	0	0
## ENSG000000206780.1	0	0	0	0	0

## ENSG00000215278.4	0	0	0	0	0
## ENSG00000151552.13	5241	5263	6016	5267	6389
## ENSG00000249581.2	0	0	0	0	1
## ENSG00000249488.1	0	0	0	0	0
## ENSG00000283219.1	0	0	0	0	0
## ENSG00000002549.13	3868	4789	4728	4822	4562
## ENSG00000249502.3	10	4	16	3	6
## ENSG00000118579.13	10018	12980	12297	13067	11842
## ENSG00000047662.5	15	27	29	25	23
## ENSG00000163257.11	3307	3509	3857	3766	3148
## ENSG00000109805.10	5261	5891	5821	5605	5586
## ENSG00000178177.17	2098	2599	2648	2424	2156
## ENSG00000235413.3	9	18	6	10	4
## ENSG00000286046.1	2	4	3	3	4
## ENSG00000251048.1	0	0	0	0	0
## ENSG00000279918.1	0	0	0	0	0
## ENSG00000248238.2	0	0	0	0	0
## ENSG00000251816.1	0	0	0	0	0
## ENSG00000279379.1	0	0	0	0	0
## ENSG00000248515.2	0	0	0	0	0
## ENSG00000249441.1	0	0	0	0	0
## ENSG00000241612.1	6	9	5	11	15
## ENSG00000250611.1	0	0	0	0	0
## ENSG00000145147.20	2235	2766	2443	3064	2630
## ENSG00000248228.2	0	0	0	0	0
## ENSG00000207732.1	0	0	1	0	0
## ENSG00000163138.19	948	1249	1110	1271	1165
## ENSG00000185774.17	47	90	55	69	66
## ENSG00000272995.1	0	1	3	0	6
## ENSG00000250243.3	0	0	0	0	0
## ENSG00000283281.1	0	0	0	0	0
## ENSG00000286318.1	3	8	2	9	8
## ENSG00000250092.2	0	1	0	2	0
## ENSG00000242768.2	0	1	0	0	0
## ENSG00000248343.1	0	3	0	0	0
## ENSG00000280650.1	0	0	0	0	0
## ENSG00000250039.4	5	0	4	1	2
## ENSG00000239001.1	0	0	0	0	0
## ENSG00000289849.1	0	1	0	0	0
## ENSG00000152990.14	9875	12030	11892	12849	11341
## ENSG00000244538.1	17	21	26	32	32
## ENSG00000251516.1	0	0	0	0	0
## ENSG00000249948.7	213	293	204	227	248
## ENSG00000237350.1	120	147	111	167	149
## ENSG00000248837.7	0	1	0	3	1
## ENSG00000249547.1	0	0	0	0	0
## ENSG00000251220.2	0	0	0	0	0
## ENSG00000250137.1	0	0	0	0	0
## ENSG00000251292.1	0	0	0	1	0
## ENSG00000109819.9	85	122	132	109	96
## ENSG00000249453.1	0	0	0	0	0
## ENSG00000289902.1	0	0	0	0	0
## ENSG00000289201.1	9	5	9	8	9
## ENSG00000109606.13	19339	25151	22994	25861	21877

## ENSG00000207697.1	8	10	21	21	15
## ENSG00000243005.3	0	0	0	0	0
## ENSG00000249256.2	0	0	0	0	0
## ENSG00000261121.2	4	1	5	4	4
## ENSG00000251638.1	0	0	0	0	0
## ENSG00000248444.1	0	0	0	1	0
## ENSG00000109610.6	288	245	257	271	368
## ENSG00000181982.20	869	1121	1019	1207	1014
## ENSG00000153012.12	1660	1625	1833	1628	1407
## ENSG00000109618.13	641	825	759	855	645
## ENSG00000281501.1	36	42	53	57	48
## ENSG00000038210.14	1961	2714	2320	2401	2068
## ENSG00000271172.1	0	0	1	0	0
## ENSG00000278135.1	0	0	0	1	0
## ENSG00000168228.16	658	836	802	986	801
## ENSG00000053900.11	1584	1786	1691	1763	1561
## ENSG00000249320.1	0	0	0	0	0
## ENSG00000248608.2	3	4	1	4	3
## ENSG00000248545.3	0	0	0	0	0
## ENSG00000238632.1	0	0	0	0	0
## ENSG00000228154.3	0	0	0	1	0
## ENSG00000157765.13	1419	1463	1654	1791	1406
## ENSG00000242640.1	2	0	1	4	4
## ENSG00000249277.1	0	0	0	0	0
## ENSG00000250050.1	5	11	6	9	5
## ENSG00000248133.1	0	0	1	0	0
## ENSG00000251353.1	0	0	0	0	0
## ENSG00000248654.1	0	0	0	0	1
## ENSG00000091490.11	12002	15696	14192	15649	12631
## ENSG00000250541.1	0	0	1	1	0
## ENSG00000250317.9	1434	1987	1765	2070	1793
## ENSG00000251009.2	1	1	2	0	1
## ENSG00000283314.1	0	0	0	0	0
## ENSG00000248452.2	0	0	0	0	0
## ENSG00000168214.22	8368	11119	10703	10208	8897
## ENSG00000163394.6	0	0	7	0	4
## ENSG00000109680.11	611	607	646	616	641
## ENSG00000200999.1	0	0	0	0	0
## ENSG00000109689.20	1011	1210	1227	1220	1183
## ENSG00000240005.7	4	1	4	4	4
## ENSG00000248340.2	0	1	0	0	0
## ENSG00000251080.1	0	0	0	0	0
## ENSG00000205830.1	0	0	0	0	0
## ENSG00000249699.1	0	0	0	0	0
## ENSG00000222206.1	0	0	0	0	0
## ENSG00000251325.1	0	0	0	0	0
## ENSG00000250858.1	0	0	0	0	0
## ENSG00000287389.2	0	0	0	0	0
## ENSG00000251410.2	3	1	0	1	2
## ENSG00000286321.1	5	13	15	12	11
## ENSG00000250038.7	0	0	0	0	0
## ENSG00000250064.1	0	3	0	0	0
## ENSG00000286141.1	0	0	1	4	1
## ENSG00000243548.3	0	0	0	0	0

## ENSG00000283275.1	0	0	0	0	0
## ENSG00000250927.1	0	1	2	4	2
## ENSG00000250190.2	0	0	0	0	0
## ENSG00000276507.1	0	0	0	0	0
## ENSG00000249228.1	0	0	0	0	0
## ENSG00000248176.2	0	0	0	0	0
## ENSG00000248338.2	0	0	0	0	0
## ENSG00000251373.1	0	0	0	0	0
## ENSG00000251113.2	0	0	0	0	0
## ENSG00000283666.1	0	0	0	0	0
## ENSG00000249542.2	0	0	0	0	0
## ENSG00000249564.1	0	0	0	0	0
## ENSG00000244031.3	0	0	0	0	0
## ENSG00000248281.1	0	0	0	0	0
## ENSG00000288940.1	14	29	21	28	25
## ENSG00000286596.1	51	65	44	67	59
## ENSG00000169851.16	13967	18422	16004	18108	16069
## ENSG00000249678.1	6	4	5	4	4
## ENSG00000250624.1	0	0	0	0	0
## ENSG00000251182.2	0	0	0	0	0
## ENSG00000251434.1	25	23	11	44	15
## ENSG00000249882.2	0	0	0	0	1
## ENSG00000251129.3	1689	593	2003	581	671
## ENSG00000286212.2	1	2	1	3	0
## ENSG00000251329.1	0	0	0	0	0
## ENSG00000286784.1	1	0	0	0	0
## ENSG00000250076.1	1	0	0	1	1
## ENSG00000287968.1	0	0	0	0	0
## ENSG00000249452.2	0	0	0	0	0
## ENSG00000249766.1	0	0	0	0	0
## ENSG00000248417.1	0	0	0	0	0
## ENSG00000288321.1	0	0	0	0	0
## ENSG00000250954.6	0	0	0	0	0
## ENSG00000250723.7	0	0	0	0	0
## ENSG00000239983.1	0	1	2	2	6
## ENSG00000248685.6	0	0	0	0	0
## ENSG00000287320.1	0	0	0	0	0
## ENSG00000250597.5	0	0	0	0	0
## ENSG00000275250.1	0	0	0	0	0
## ENSG00000238694.1	0	0	0	0	0
## ENSG00000250416.2	0	0	0	0	0
## ENSG00000206665.1	0	0	0	0	0
## ENSG00000047365.13	721	1126	926	1032	788
## ENSG00000248466.1	0	0	0	0	0
## ENSG00000247193.4	0	0	0	0	0
## ENSG00000197057.10	13	2	8	7	12
## ENSG00000251438.1	0	0	0	0	0
## ENSG00000283207.1	0	0	0	0	0
## ENSG00000248215.6	0	0	0	0	1
## ENSG00000251588.2	0	0	0	0	0
## ENSG00000287416.1	0	1	0	0	0
## ENSG00000261761.5	6	5	5	10	8
## ENSG00000247810.8	0	0	0	2	0
## ENSG00000264319.1	0	0	0	0	0

## ENSG00000174145.8	62	120	81	157	101
## ENSG00000154274.15	1894	2760	2074	2729	2208
## ENSG00000288073.1	4	2	3	2	3
## ENSG00000248936.1	2	5	6	4	7
## ENSG00000181826.10	2404	3607	2793	3217	2972
## ENSG00000207075.1	0	0	0	0	0
## ENSG00000239532.1	1	1	1	2	2
## ENSG00000169299.14	3698	5411	4271	5421	4613
## ENSG00000279386.1	27	30	42	41	36
## ENSG00000249863.2	66	119	84	124	91
## ENSG00000065882.18	5328	5980	6246	5565	6307
## ENSG00000250254.2	2	0	0	1	0
## ENSG00000251332.1	1	3	3	0	7
## ENSG00000249649.1	0	0	0	0	0
## ENSG00000287659.1	0	0	0	0	0
## ENSG00000251642.1	0	0	0	0	0
## ENSG00000248227.1	0	0	0	0	0
## ENSG00000280015.1	0	0	0	0	0
## ENSG00000249534.2	0	0	0	4	0
## ENSG00000249667.2	0	0	0	0	0
## ENSG00000251635.2	0	0	0	0	0
## ENSG00000231160.12	124	178	156	225	146
## ENSG00000271958.1	1	1	1	0	0
## ENSG00000109787.13	8121	11849	10017	11422	8958
## ENSG00000222230.1	0	0	0	0	0
## ENSG00000174123.11	0	4	0	1	0
## ENSG00000174125.8	26	25	24	30	18
## ENSG00000174130.13	25	23	21	25	24
## ENSG00000197712.12	2030	2996	3032	3038	2362
## ENSG00000207944.1	0	1	3	0	2
## ENSG00000121895.8	69	49	75	38	42
## ENSG00000109790.18	16356	19618	19141	17767	16398
## ENSG00000249207.2	81	81	73	64	54
## ENSG00000249685.1	34	17	33	35	23
## ENSG00000157796.18	1254	1400	1545	1455	1244
## ENSG00000035928.17	6783	7841	7880	7747	6764
## ENSG00000206675.1	1	1	0	0	2
## ENSG00000222592.1	0	0	0	0	0
## ENSG00000134962.7	89	103	155	134	67
## ENSG00000264621.1	0	0	0	0	0
## ENSG00000238797.1	0	0	0	0	0
## ENSG00000163682.17	107783	151297	116758	145933	158764
## ENSG00000121897.15	822	1155	1070	1071	1055
## ENSG00000293167.1	3	2	2	2	4
## ENSG00000224097.6	0	0	0	0	0
## ENSG00000109814.12	14071	18743	17036	17079	15974
## ENSG00000249348.2	185	242	246	245	204
## ENSG00000287262.1	42	48	62	50	61
## ENSG00000163683.12	6025	9682	7909	8695	7064
## ENSG00000286349.1	0	0	1	0	3
## ENSG00000252796.1	0	0	0	0	0
## ENSG00000255458.9	14	16	14	25	22
## ENSG00000078140.14	14067	18016	16886	16279	15706
## ENSG00000252975.1	0	1	0	0	1

## ENSG00000249019.2	0	1	0	1	1
## ENSG00000243260.3	0	4	2	2	1
## ENSG00000180610.10	1	2	8	4	3
## ENSG00000121892.15	12254	14763	14779	15221	12330
## ENSG00000271278.1	0	0	0	0	0
## ENSG00000252970.1	1	1	0	0	1
## ENSG00000250568.1	19	13	24	24	26
## ENSG00000231707.4	19	22	18	24	23
## ENSG00000249064.1	0	4	1	0	6
## ENSG00000293349.1	1	1	0	2	0
## ENSG00000205794.5	0	0	0	0	0
## ENSG00000078177.15	4440	5747	5520	5344	3785
## ENSG00000200455.1	0	0	0	0	0
## ENSG00000201863.1	0	0	0	0	0
## ENSG00000248977.1	0	0	1	3	0
## ENSG00000260296.1	69	67	101	91	76
## ENSG00000286089.1	0	3	1	3	0
## ENSG00000168421.14	216	168	251	154	228
## ENSG00000250338.1	0	0	0	0	0
## ENSG00000249241.2	0	2	3	4	4
## ENSG00000174343.6	3	4	4	3	1
## ENSG00000239010.1	0	0	0	0	0
## ENSG00000163694.15	9295	13716	11523	12760	10758
## ENSG00000250893.1	0	4	5	10	2
## ENSG00000242197.2	0	0	0	0	0
## ENSG00000263642.1	0	1	0	0	0
## ENSG00000287182.1	0	0	0	0	1
## ENSG00000179299.17	519	695	719	787	639
## ENSG00000248780.1	4	5	11	13	15
## ENSG00000163697.18	6197	9535	7601	8943	7051
## ENSG00000250906.1	1	5	3	6	1
## ENSG00000207195.1	0	0	0	0	0
## ENSG00000201736.1	0	0	1	1	0
## ENSG00000199790.1	0	0	0	0	0
## ENSG00000207198.1	0	0	0	0	0
## ENSG00000289761.1	0	0	0	0	0
## ENSG00000251173.1	0	0	0	0	1
## ENSG00000154277.13	13968	13558	15240	14080	18392
## ENSG00000207481.1	0	0	0	0	0
## ENSG00000064042.18	976	1588	1098	1802	1236
## ENSG00000239627.3	0	0	0	0	0
## ENSG00000287762.1	1	0	2	3	2
## ENSG00000249216.1	0	0	1	1	1
## ENSG00000249081.1	0	0	0	0	0
## ENSG00000109132.7	39	8	30	3	8
## ENSG00000250467.1	0	1	4	1	2
## ENSG00000249122.1	0	0	0	0	0
## ENSG00000200338.1	0	0	0	0	0
## ENSG00000249745.1	0	0	0	0	0
## ENSG00000245870.5	13	0	10	1	3
## ENSG00000249771.2	1	0	0	0	6
## ENSG00000249887.1	0	0	0	0	0
## ENSG00000109133.14	7315	9566	8772	8195	7859
## ENSG00000182308.7	16	9	18	21	17

## ENSG00000272862.1	0	1	3	0	1
## ENSG00000014824.14	9914	11785	11204	10541	9966
## ENSG00000249212.1	6	5	3	3	6
## ENSG00000188848.17	32	16	46	27	24
## ENSG00000285454.1	0	0	0	0	0
## ENSG00000250781.2	0	0	1	0	0
## ENSG00000289643.2	1	0	0	0	1
## ENSG00000178343.5	55	29	38	40	30
## ENSG00000124406.17	882	942	1024	913	780
## ENSG00000240167.1	0	2	0	0	0
## ENSG00000248283.2	0	0	0	2	0
## ENSG00000260519.2	0	1	1	0	4
## ENSG00000251517.1	0	0	0	0	0
## ENSG00000252595.1	0	0	0	0	0
## ENSG00000215203.3	0	0	0	0	0
## ENSG00000248939.1	0	1	1	2	0
## ENSG00000250657.1	0	1	0	0	0
## ENSG00000277096.1	0	0	0	0	0
## ENSG00000213851.3	1	4	1	0	1
## ENSG00000248143.1	0	0	0	0	0
## ENSG00000251501.1	0	0	0	0	0
## ENSG00000239464.3	0	0	0	0	0
## ENSG00000286891.1	13	3	6	2	8
## ENSG00000239679.3	0	0	0	0	0
## ENSG00000124399.4	2	4	2	5	9
## ENSG00000250863.2	0	0	1	0	1
## ENSG00000251350.2	0	0	1	0	0
## ENSG00000183783.7	337	445	424	373	477
## ENSG00000251159.1	0	0	0	0	0
## ENSG00000177752.15	5	13	8	3	3
## ENSG00000151806.14	4250	4955	4480	4623	4412
## ENSG00000163281.12	718	1056	881	979	833
## ENSG00000273369.1	6	5	10	12	7
## ENSG00000272936.1	0	0	0	0	0
## ENSG00000249729.2	0	0	0	0	0
## ENSG00000248987.2	0	0	0	0	0
## ENSG00000275959.1	0	0	0	0	0
## ENSG00000248744.1	0	0	0	0	0
## ENSG00000248320.1	0	0	0	0	0
## ENSG00000224560.3	0	0	0	0	0
## ENSG00000200720.1	0	0	0	0	0
## ENSG00000222257.1	0	0	0	0	0
## ENSG00000163285.8	4	3	5	5	16
## ENSG00000260878.1	0	0	0	0	0
## ENSG00000151834.16	3068	4636	4062	4585	4224
## ENSG00000249330.3	1	7	6	2	1
## ENSG00000252243.1	0	0	0	0	0
## ENSG00000249936.3	106	94	96	81	101
## ENSG00000170516.17	1	0	0	0	0
## ENSG00000109158.11	49	23	52	22	58
## ENSG00000163288.14	124	148	149	177	149
## ENSG00000260918.1	87	81	129	67	89
## ENSG00000169019.11	976	1342	1201	1036	1080
## ENSG00000282904.2	1	2	0	0	3

## ENSG00000286294.2	0	0	0	0	0
## ENSG00000145246.14	1373	1340	1576	1331	1202
## ENSG00000242431.2	1	0	0	2	0
## ENSG00000248254.1	0	2	0	0	0
## ENSG00000145244.12	141	157	148	109	133
## ENSG00000277388.1	0	0	0	0	0
## ENSG00000242262.1	42	61	49	63	69
## ENSG00000282917.4	1	0	2	0	3
## ENSG00000259959.1	430	517	555	509	475
## ENSG00000170448.12	3239	4315	3775	4242	3250
## ENSG00000163293.12	10060	14610	12353	13065	10216
## ENSG00000198515.16	614	771	761	707	640
## ENSG00000074966.11	331	457	296	450	341
## ENSG00000200269.1	0	0	0	0	0
## ENSG00000283499.1	0	0	0	0	0
## ENSG00000135605.13	180	157	235	222	171
## ENSG00000202014.1	1	0	0	3	0
## ENSG00000109171.15	4716	7090	5699	6456	5403
## ENSG00000145248.7	227	230	327	302	217
## ENSG00000182223.7	0	0	0	1	0
## ENSG00000075539.15	3537	4186	4402	3992	3319
## ENSG00000251722.1	0	0	0	0	0
## ENSG00000109180.15	8385	11871	9853	11540	10399
## ENSG00000248256.1	7	12	9	17	14
## ENSG00000145247.12	4021	2626	4667	2724	2898
## ENSG00000252913.1	0	0	0	1	0
## ENSG00000251334.2	0	0	0	0	0
## ENSG00000109182.12	0	0	0	0	0
## ENSG00000225455.3	0	1	0	0	0
## ENSG00000249828.2	0	0	0	0	0
## ENSG00000249079.1	0	0	0	0	0
## ENSG00000280043.1	0	0	0	0	0
## ENSG00000250016.2	0	0	0	0	0
## ENSG00000237961.4	0	0	0	0	0
## ENSG00000268736.1	0	0	0	0	0
## ENSG00000248946.2	0	0	0	0	0
## ENSG00000248583.1	0	0	0	0	0
## ENSG00000251056.1	0	0	0	0	0
## ENSG00000250769.2	0	0	0	0	0
## ENSG00000248532.2	0	0	0	0	0
## ENSG00000269848.1	0	0	0	0	0
## ENSG00000268967.1	0	0	0	0	0
## ENSG00000268391.1	0	0	0	0	0
## ENSG00000232471.3	0	0	0	0	0
## ENSG00000251630.1	0	0	0	0	0
## ENSG00000251539.1	0	0	0	0	0
## ENSG00000250753.2	0	0	0	0	0
## ENSG00000249337.2	0	0	0	0	0
## ENSG00000109184.15	3335	4165	4182	3945	3530
## ENSG00000250473.1	0	0	0	0	0
## ENSG00000272576.1	2	5	1	1	3
## ENSG00000243929.1	0	0	0	0	0
## ENSG00000188993.4	23	27	27	27	17
## ENSG00000163069.13	2995	3937	3594	3777	3534

## ENSG00000251040.1	0	0	0	0	0
## ENSG00000163071.11	997	1788	1281	1767	1364
## ENSG00000287999.1	0	0	0	0	0
## ENSG00000251286.2	0	0	0	0	0
## ENSG00000199924.1	0	0	0	0	0
## ENSG00000109189.13	4390	5755	5319	5667	4608
## ENSG00000248866.1	119	148	125	149	146
## ENSG00000260120.2	0	0	0	0	0
## ENSG00000226950.8	4785	5633	5490	5870	6765
## ENSG00000250302.3	18	19	20	23	23
## ENSG00000264585.1	0	0	0	0	0
## ENSG00000286161.1	0	0	0	0	0
## ENSG00000212588.1	0	0	0	0	0
## ENSG00000248375.1	0	0	0	0	0
## ENSG00000226887.8	801	832	1020	876	934
## ENSG00000212490.1	0	0	0	0	0
## ENSG00000199901.1	0	0	0	0	0
## ENSG00000128045.7	41	32	40	43	53
## ENSG00000184178.17	972	1044	1168	1017	1051
## ENSG00000248115.1	1	2	1	0	1
## ENSG00000207385.1	0	0	0	0	0
## ENSG00000145216.17	2277	2765	2770	2858	2656
## ENSG00000282278.1	0	0	0	0	0
## ENSG00000072201.14	376	557	425	580	453
## ENSG00000250930.5	0	0	0	0	0
## ENSG00000173966.7	0	1	0	0	1
## ENSG00000248494.1	1	3	4	1	4
## ENSG00000249341.1	0	0	0	0	0
## ENSG00000249706.1	1	0	1	0	0
## ENSG00000250815.1	0	0	0	0	0
## ENSG00000229585.4	0	1	0	1	1
## ENSG00000272650.1	1	2	1	5	5
## ENSG00000109220.11	534	653	624	632	643
## ENSG00000269506.2	0	3	0	0	1
## ENSG00000287534.1	0	0	0	1	1
## ENSG00000251105.1	0	0	0	0	0
## ENSG00000250147.1	0	0	1	0	0
## ENSG00000180613.11	0	0	0	0	0
## ENSG00000242670.1	1	3	2	1	6
## ENSG00000134853.12	998	669	1300	718	1167
## ENSG00000248184.1	0	0	0	0	0
## ENSG00000248518.1	0	0	0	0	0
## ENSG00000251264.1	0	0	0	0	0
## ENSG00000250456.1	0	0	0	0	0
## ENSG00000157404.17	2573	2693	3165	3041	2668
## ENSG00000249727.2	0	0	0	0	0
## ENSG00000251256.1	0	0	0	0	0
## ENSG00000248317.2	0	0	0	0	0
## ENSG00000244422.3	0	0	0	1	0
## ENSG00000252815.1	0	0	0	1	0
## ENSG00000250646.1	0	0	0	0	0
## ENSG00000244034.3	0	0	0	0	0
## ENSG00000128052.10	135	399	272	609	427
## ENSG00000287060.1	0	0	0	0	0

## ENSG00000239545.3	0	0	0	0	0
## ENSG00000250812.2	0	0	0	0	0
## ENSG00000206839.1	0	0	0	0	0
## ENSG00000250464.1	0	0	0	0	0
## ENSG00000128039.13	240	316	321	241	281
## ENSG00000288695.1	6	6	5	6	3
## ENSG00000251111.2	0	0	0	0	0
## ENSG00000249700.9	9	14	2	7	0
## ENSG00000273257.2	1	0	1	3	0
## ENSG00000134851.13	3734	5370	4286	5049	4864
## ENSG00000239040.1	0	0	0	0	1
## ENSG00000134852.15	2116	3057	2710	2762	2277
## ENSG00000238585.1	0	0	0	0	0
## ENSG00000223305.1	0	0	1	2	0
## ENSG00000272969.1	2	1	2	5	0
## ENSG00000163440.12	0	0	0	0	0
## ENSG00000109255.11	55	32	52	41	58
## ENSG00000251923.1	0	0	0	0	0
## ENSG00000250821.3	0	0	0	0	0
## ENSG00000090989.18	2456	3017	2741	2967	2527
## ENSG00000202358.1	2	2	3	5	3
## ENSG00000286599.1	11	14	5	26	4
## ENSG00000287382.1	0	0	0	0	0
## ENSG00000174799.12	799	932	921	980	741
## ENSG00000109265.15	4653	5550	5511	5573	4961
## ENSG00000200741.1	0	0	0	0	0
## ENSG00000252489.1	0	1	0	3	0
## ENSG00000286093.1	2	2	2	0	1
## ENSG00000250324.2	0	0	0	0	0
## ENSG00000157426.14	1097	1232	1308	1378	1104
## ENSG00000242083.2	25	30	20	28	38
## ENSG00000269921.1	5	14	5	6	6
## ENSG00000128059.8	4484	5315	5433	5350	4805
## ENSG00000270147.1	5	5	8	6	0
## ENSG00000283156.2	0	0	1	0	0
## ENSG00000290817.1	1	0	0	0	0
## ENSG00000128050.9	34211	39898	40096	40780	39330
## ENSG00000289393.1	20	24	33	26	21
## ENSG00000174780.17	17942	21012	19399	20115	19612
## ENSG00000196503.5	59	77	62	68	61
## ENSG00000249693.3	27	22	28	31	41
## ENSG00000248590.2	18	27	34	44	40
## ENSG00000171476.23	51	49	63	51	76
## ENSG00000280285.1	0	0	2	0	0
## ENSG00000288944.1	0	0	0	0	0
## ENSG00000241250.1	0	0	0	0	0
## ENSG00000227040.4	1	1	0	4	0
## ENSG00000240545.3	0	0	0	0	0
## ENSG00000265894.2	0	0	0	0	0
## ENSG00000128040.13	0	0	3	0	2
## ENSG00000278226.1	0	0	0	0	0
## ENSG00000251799.1	0	0	0	0	0
## ENSG00000084093.19	5518	7819	7109	7827	5865
## ENSG00000269949.1	19	14	21	14	19

## ENSG00000084092.7	3002	3425	3288	3311	3445
## ENSG00000047315.17	15932	19207	18907	20747	16411
## ENSG000000251703.1	0	0	0	1	0
## ENSG000000163453.11	2108	2757	2931	3369	3693
## ENSG000000250384.1	0	0	0	2	1
## ENSG000000245067.8	0	1	1	1	0
## ENSG000000287369.1	0	0	0	3	1
## ENSG000000250192.1	0	0	0	1	0
## ENSG000000243920.2	0	0	0	0	0
## ENSG000000248505.2	2	1	0	1	0
## ENSG000000251459.2	2	2	0	1	7
## ENSG000000251049.2	0	0	0	0	0
## ENSG000000250333.2	1	1	0	0	0
## ENSG000000249831.2	0	0	0	0	0
## ENSG000000285998.1	0	0	1	0	1
## ENSG000000248660.1	0	0	0	0	0
## ENSG000000249105.2	0	0	0	0	0
## ENSG000000250340.1	0	0	0	0	0
## ENSG000000250078.2	0	0	0	0	0
## ENSG000000251339.6	0	0	0	0	0
## ENSG000000249382.3	0	0	0	0	0
## ENSG000000251266.2	0	0	0	0	0
## ENSG000000250375.2	0	0	0	0	0
## ENSG000000286097.1	0	0	0	0	0
## ENSG000000249111.1	0	0	0	0	0
## ENSG000000199780.1	0	0	0	0	0
## ENSG000000249392.1	0	0	0	0	0
## ENSG000000249892.1	0	0	0	0	0
## ENSG000000201676.1	0	0	0	0	0
## ENSG000000201775.1	0	0	0	0	0
## ENSG000000287174.1	0	0	0	0	0
## ENSG000000283043.1	0	0	0	0	0
## ENSG000000249066.2	0	0	0	0	0
## ENSG000000248237.2	0	0	0	0	0
## ENSG000000265829.1	0	0	0	0	0
## ENSG000000240152.2	0	0	0	0	0
## ENSG000000150471.17	7804	8211	8844	8311	8056
## ENSG000000241261.1	0	0	1	0	0
## ENSG000000205682.2	0	0	0	0	0
## ENSG000000289308.2	11	9	14	14	9
## ENSG000000226439.3	4	3	6	6	6
## ENSG000000202169.1	0	0	0	0	0
## ENSG000000248692.5	0	2	2	1	1
## ENSG000000225405.3	1	2	3	11	10
## ENSG000000288659.3	0	0	0	0	3
## ENSG000000241344.1	0	0	0	0	0
## ENSG000000250249.2	0	0	0	0	0
## ENSG000000288567.1	0	0	0	0	0
## ENSG000000248847.2	0	0	0	0	0
## ENSG000000248336.1	0	0	0	0	0
## ENSG000000180673.9	6	12	10	8	15
## ENSG000000251055.2	0	0	0	0	0
## ENSG000000231442.3	0	0	0	0	0
## ENSG000000250775.2	0	0	0	0	0

## ENSG00000205678.8	0	0	0	1	1
## ENSG00000252104.1	0	0	0	0	0
## ENSG00000250768.1	0	0	0	0	0
## ENSG00000251430.1	0	0	0	0	0
## ENSG00000251385.2	0	0	0	0	0
## ENSG00000249893.1	0	0	0	0	0
## ENSG00000250169.1	0	0	0	0	0
## ENSG00000248259.1	0	0	0	0	0
## ENSG00000249045.1	0	0	0	0	0
## ENSG00000248328.1	0	0	0	0	0
## ENSG00000244669.1	0	0	0	0	0
## ENSG00000286664.1	0	0	0	0	0
## ENSG00000250125.5	0	0	0	0	0
## ENSG00000248447.2	0	0	0	0	0
## ENSG00000248998.2	0	0	0	0	0
## ENSG00000249351.2	0	0	0	0	0
## ENSG00000285711.1	0	0	0	0	0
## ENSG00000145242.14	50	40	72	50	50
## ENSG00000243199.1	210	200	241	286	330
## ENSG00000250846.6	9	10	17	9	6
## ENSG00000248479.1	2	4	2	3	2
## ENSG00000222765.1	0	0	0	0	0
## ENSG00000251527.1	0	0	0	0	0
## ENSG00000249413.2	2	2	0	2	1
## ENSG00000272304.1	0	0	0	0	0
## ENSG00000236562.4	0	0	2	0	0
## ENSG00000287383.1	0	0	0	1	0
## ENSG00000221563.1	0	0	0	0	0
## ENSG00000244099.1	0	0	0	0	0
## ENSG00000252890.1	0	0	0	0	0
## ENSG00000250075.7	3	2	2	5	1
## ENSG00000206629.1	0	3	1	0	1
## ENSG00000274759.1	0	0	1	0	1
## ENSG00000250030.2	2	2	1	2	2
## ENSG00000145241.11	1124	1389	1422	1477	1140
## ENSG00000035720.8	1	0	0	0	0
## ENSG00000279464.1	8	20	12	20	15
## ENSG00000033178.13	5346	7808	7020	7760	5513
## ENSG00000270257.1	0	1	7	8	3
## ENSG00000248049.8	643	858	720	704	807
## ENSG00000250656.2	0	1	4	2	1
## ENSG00000270228.1	1	2	1	0	3
## ENSG00000270292.1	1	6	2	3	1
## ENSG00000109163.7	15	17	19	20	12
## ENSG00000202374.1	0	0	0	0	0
## ENSG00000232398.1	0	4	0	0	0
## ENSG00000153802.12	0	0	0	0	0
## ENSG00000187054.16	15	14	7	12	10
## ENSG00000229009.8	0	0	0	0	0
## ENSG00000290400.1	0	0	0	0	0
## ENSG00000207428.1	0	0	0	0	0
## ENSG00000227725.3	3	6	3	5	5
## ENSG00000283131.1	0	0	0	0	0
## ENSG00000198092.6	0	4	2	2	0

## ENSG00000293343.1	0	0	0	0	0
## ENSG00000215127.7	0	0	0	0	0
## ENSG00000293344.1	0	0	0	0	0
## ENSG00000250426.3	0	0	0	0	0
## ENSG00000250026.6	0	0	0	0	0
## ENSG00000290407.1	0	0	0	0	0
## ENSG00000291282.1	0	0	0	0	0
## ENSG00000185873.8	3	2	0	0	0
## ENSG00000250642.3	2	4	3	4	4
## ENSG00000248639.2	1	0	0	0	0
## ENSG00000249531.2	0	2	0	4	2
## ENSG00000248122.1	1	4	3	6	2
## ENSG00000083896.13	8105	11016	10067	11367	9003
## ENSG00000162840.4	0	0	0	0	0
## ENSG00000289942.1	0	0	0	0	0
## ENSG00000087128.10	3	7	8	12	7
## ENSG00000250566.1	0	0	0	0	0
## ENSG00000197888.3	10	22	13	15	10
## ENSG00000249472.1	0	0	0	0	0
## ENSG00000251101.1	0	0	0	0	0
## ENSG00000251074.1	0	0	0	0	0
## ENSG00000196620.10	69	226	79	203	129
## ENSG00000248635.1	1	0	1	0	2
## ENSG00000250376.1	41	58	33	54	43
## ENSG00000251236.1	0	0	0	0	0
## ENSG00000109181.12	18	30	16	42	31
## ENSG00000251424.1	0	0	0	0	0
## ENSG00000249235.1	0	0	0	0	0
## ENSG00000251529.1	5	13	7	13	8
## ENSG00000248547.2	5	16	18	13	15
## ENSG00000248613.1	11	14	15	28	7
## ENSG00000272626.1	80	122	92	122	103
## ENSG00000249985.1	0	0	0	0	0
## ENSG00000198277.6	15	22	21	29	18
## ENSG00000135220.11	64	143	94	144	107
## ENSG00000251498.1	0	0	0	0	0
## ENSG00000249735.1	0	0	0	0	0
## ENSG00000250277.2	0	0	0	0	0
## ENSG00000251685.3	1	3	0	7	4
## ENSG00000249890.1	0	0	0	0	0
## ENSG00000250919.1	3	7	5	10	3
## ENSG00000171234.14	367	693	370	609	476
## ENSG00000248763.2	2	0	0	0	1
## ENSG00000251284.2	2	0	0	1	0
## ENSG00000250100.2	0	0	0	1	0
## ENSG00000251427.1	0	0	0	0	0
## ENSG00000196472.4	0	0	0	0	0
## ENSG00000250696.5	8	11	5	9	9
## ENSG00000213759.10	1182	2465	1622	2268	1854
## ENSG00000268803.1	0	0	0	0	0
## ENSG00000249763.1	0	1	0	1	1
## ENSG00000135226.18	5	16	11	12	15
## ENSG00000251691.2	4	0	0	3	1
## ENSG00000250612.2	2	0	0	0	0

## ENSG00000268209.1	0	0	0	0	0
## ENSG00000215110.7	1	1	0	0	0
## ENSG00000248824.2	0	0	0	0	0
## ENSG00000249956.4	0	1	0	0	0
## ENSG00000250828.2	0	0	0	0	0
## ENSG00000249686.1	0	0	0	0	0
## ENSG00000156096.15	47	184	39	161	75
## ENSG00000248886.2	0	0	0	0	0
## ENSG00000251177.2	0	0	3	1	2
## ENSG00000271271.6	0	0	0	0	0
## ENSG00000173610.13	36	43	28	47	41
## ENSG00000173597.9	1492	2238	1722	2181	1285
## ENSG00000236959.1	0	4	0	6	0
## ENSG00000284695.1	10	22	19	24	12
## ENSG00000109193.12	1406	2718	1781	2689	1612
## ENSG00000251489.2	0	0	0	0	0
## ENSG00000126545.14	0	2	2	0	0
## ENSG00000135222.7	0	1	3	2	2
## ENSG00000126549.11	10	8	10	3	17
## ENSG00000205649.9	0	0	0	0	0
## ENSG00000126550.10	0	0	0	0	0
## ENSG00000293421.1	0	0	0	0	0
## ENSG00000234124.7	0	0	0	0	0
## ENSG00000187533.14	0	0	0	0	0
## ENSG00000109205.17	219	291	285	279	232
## ENSG00000181617.6	0	0	0	0	1
## ENSG00000171209.4	1	1	0	2	0
## ENSG00000145309.6	0	1	0	0	1
## ENSG00000109208.5	0	0	0	0	0
## ENSG00000171201.12	0	0	0	0	0
## ENSG00000171199.11	0	0	0	0	0
## ENSG00000171195.11	0	0	0	0	0
## ENSG00000187689.10	2	0	2	0	1
## ENSG00000178522.15	27	122	39	115	40
## ENSG00000132464.13	12	21	20	16	12
## ENSG00000286848.1	1	0	1	0	0
## ENSG00000132465.12	0	3	1	0	1
## ENSG00000132467.4	3133	4151	4021	3907	3880
## ENSG00000207448.1	0	0	0	1	0
## ENSG00000207058.1	0	0	1	0	0
## ENSG00000272986.1	11	18	15	18	8
## ENSG00000018189.13	4393	5371	4978	4976	4682
## ENSG00000132463.15	12154	14714	14375	13981	12964
## ENSG00000283313.1	0	0	0	0	1
## ENSG00000207007.1	0	0	0	0	0
## ENSG00000289019.1	71	87	77	83	98
## ENSG00000173542.9	4010	5382	5226	4731	3754
## ENSG00000156136.10	3033	4269	3748	3612	3542
## ENSG00000080493.19	17471	26937	22231	25863	20082
## ENSG00000249170.1	0	1	0	2	0
## ENSG00000270098.1	3	0	2	1	0
## ENSG00000145321.13	208	193	206	189	154
## ENSG00000222236.1	1	2	4	0	1
## ENSG00000248567.1	2	1	0	2	0

## ENSG00000056291.19	331	372	352	364	369
## ENSG00000156140.11	186	156	190	136	182
## ENSG00000250877.1	0	0	0	0	0
## ENSG00000270665.1	7	2	4	2	3
## ENSG00000252955.1	0	0	0	0	0
## ENSG00000210839.1	0	0	0	0	0
## ENSG00000163626.17	1799	2242	2130	2295	2214
## ENSG00000132466.20	13570	17851	16731	18075	14851
## ENSG00000248641.1	19	17	23	32	41
## ENSG00000250220.1	21	24	14	21	17
## ENSG00000221639.1	0	3	0	0	1
## ENSG00000249976.2	0	0	0	0	0
## ENSG00000163631.19	1724	3445	5384	6307	3033
## ENSG00000081051.8	85469	183031	123731	220656	123624
## ENSG00000079557.5	24	5	13	3	17
## ENSG00000250436.1	0	0	2	1	2
## ENSG00000249970.1	0	0	0	0	0
## ENSG00000169435.14	628	618	699	559	421
## ENSG00000289530.1	0	0	0	0	0
## ENSG00000228277.1	0	0	0	0	0
## ENSG00000169429.12	945	941	833	738	668
## ENSG00000249051.2	0	0	0	0	0
## ENSG00000124875.10	538	414	640	271	491
## ENSG00000250550.3	0	0	0	0	0
## ENSG00000109272.4	20	18	24	24	9
## ENSG00000163739.5	249	296	343	296	260
## ENSG00000249920.2	4	3	5	3	7
## ENSG00000250339.2	0	1	0	0	0
## ENSG00000163737.5	4	3	5	2	2
## ENSG00000288796.1	0	0	0	0	0
## ENSG00000163736.4	0	0	0	0	0
## ENSG00000163735.7	2943	4325	3337	2795	2587
## ENSG00000287037.1	8	5	8	14	10
## ENSG00000244194.3	0	0	0	0	0
## ENSG00000163734.4	180	266	202	244	174
## ENSG00000290910.1	0	0	0	0	0
## ENSG00000248848.2	0	0	0	0	0
## ENSG00000288019.1	0	0	0	0	0
## ENSG00000251017.1	0	1	1	1	0
## ENSG00000081041.9	48	69	53	75	43
## ENSG00000289241.1	0	0	0	2	0
## ENSG00000163738.19	464	621	579	465	521
## ENSG00000269559.2	8	5	10	8	12
## ENSG00000182585.10	0	4	3	1	0
## ENSG00000124882.4	7	20	15	29	11
## ENSG00000250532.1	0	0	0	0	0
## ENSG00000109321.11	5865	12240	8871	13837	8646
## ENSG00000249942.1	2	1	2	7	4
## ENSG00000174808.12	13	35	29	24	18
## ENSG00000287375.1	0	0	0	0	0
## ENSG00000250356.1	0	0	0	0	0
## ENSG00000169116.11	7492	13254	11271	14524	9113
## ENSG00000249717.1	5	1	0	4	1
## ENSG00000248165.1	0	0	0	2	0

## ENSG00000260265.1	30	31	30	38	64
## ENSG00000293020.1	0	0	0	0	0
## ENSG00000250315.3	0	0	0	0	0
## ENSG00000250560.2	0	0	0	0	0
## ENSG00000251185.1	0	0	0	0	0
## ENSG00000251454.1	0	0	0	0	0
## ENSG00000251383.1	0	0	0	0	0
## ENSG00000248646.1	0	0	0	0	0
## ENSG00000250735.5	0	0	0	0	0
## ENSG00000163743.14	1689	2289	2078	2220	1831
## ENSG00000174796.12	527	650	660	681	509
## ENSG00000174792.11	0	4	0	2	0
## ENSG00000138769.11	122	92	172	102	146
## ENSG00000138757.15	25497	32108	30109	29453	27247
## ENSG00000201644.2	0	0	0	0	0
## ENSG00000138768.15	10875	14092	13012	13560	10988
## ENSG00000229717.3	0	0	0	0	0
## ENSG00000222644.1	0	0	0	0	0
## ENSG00000156194.19	1	2	0	2	0
## ENSG00000138744.16	185	148	205	168	195
## ENSG00000198301.12	5469	6028	5773	5921	5557
## ENSG00000245928.2	0	1	2	3	0
## ENSG00000138755.6	0	0	0	0	0
## ENSG00000156219.18	4	0	8	4	3
## ENSG00000169245.6	3	12	5	6	4
## ENSG00000169248.13	7	8	7	3	11
## ENSG00000225846.4	0	0	0	0	0
## ENSG00000138750.16	3977	4840	4429	4489	4333
## ENSG00000286074.1	0	5	7	8	0
## ENSG00000138760.11	28703	45238	35325	41935	31538
## ENSG00000189157.14	65	106	65	84	69
## ENSG00000287401.1	25	29	19	28	24
## ENSG00000272414.6	2	6	5	3	0
## ENSG00000289515.2	36	30	34	30	41
## ENSG00000118804.9	165	300	199	342	205
## ENSG00000163749.18	17	25	23	27	16
## ENSG00000249858.2	4	3	3	4	2
## ENSG00000212368.1	0	0	0	0	0
## ENSG00000240426.1	0	0	0	0	0
## ENSG00000199857.1	0	0	0	0	0
## ENSG00000138771.16	10718	14444	12652	14739	11822
## ENSG00000249278.1	0	0	0	0	0
## ENSG00000207307.1	0	0	0	0	0
## ENSG00000263445.1	0	0	0	0	0
## ENSG00000283682.1	0	0	0	0	0
## ENSG00000233860.2	13	18	23	43	9
## ENSG00000224218.1	2	1	0	0	0
## ENSG00000270244.1	0	3	0	2	1
## ENSG00000242727.2	0	0	0	0	0
## ENSG00000186212.4	340	554	421	553	455
## ENSG00000289586.2	191	243	214	223	205
## ENSG00000138758.12	23665	31996	28066	31536	24477
## ENSG00000234036.4	9	11	17	11	19
## ENSG00000118816.11	42855	55081	49448	49280	48748

## ENSG00000289443.1	58	83	73	77	53
## ENSG00000288888.1	4	14	7	6	12
## ENSG00000289496.2	7	6	9	9	3
## ENSG00000214062.5	0	0	0	1	2
## ENSG00000271676.1	1	2	2	3	1
## ENSG00000201641.1	0	0	0	0	0
## ENSG00000138764.15	4812	7684	6175	7225	5133
## ENSG00000270669.1	0	0	0	0	0
## ENSG00000250006.2	0	0	0	0	0
## ENSG00000248831.2	0	0	0	0	0
## ENSG00000249036.1	0	0	0	0	0
## ENSG00000156234.8	1	0	6	0	0
## ENSG00000221711.1	0	0	0	0	0
## ENSG00000138767.14	3105	3624	3668	3264	3010
## ENSG00000289379.2	0	1	0	0	2
## ENSG00000169288.18	2160	2510	2374	2333	2394
## ENSG00000250214.1	0	0	0	0	1
## ENSG00000248926.1	0	0	0	0	0
## ENSG00000248956.1	0	0	0	0	0
## ENSG00000248640.1	2	1	1	0	3
## ENSG00000248128.1	0	0	0	0	0
## ENSG00000249072.1	8	5	4	4	9
## ENSG00000138759.20	24736	38336	28576	36644	27227
## ENSG00000249565.2	59	60	72	70	87
## ENSG00000248117.1	0	0	0	0	0
## ENSG00000138772.13	19060	27558	20497	25370	22742
## ENSG00000200998.1	0	0	0	0	0
## ENSG00000251442.8	9	10	12	10	9
## ENSG00000251019.1	0	0	0	0	0
## ENSG00000287632.1	0	6	0	2	0
## ENSG00000239793.1	0	0	0	0	0
## ENSG00000260278.1	0	0	1	1	1
## ENSG00000138756.19	1740	2561	2140	2695	1643
## ENSG00000266270.1	0	0	0	0	0
## ENSG00000163291.14	2792	3793	3315	3197	3032
## ENSG00000242175.3	0	0	0	0	0
## ENSG00000249307.8	34	31	38	24	35
## ENSG00000156269.5	0	2	0	0	1
## ENSG00000196475.6	0	0	0	0	0
## ENSG00000250334.8	0	0	0	0	0
## ENSG00000290776.1	0	0	0	0	0
## ENSG00000249646.3	0	0	0	0	0
## ENSG00000251399.1	0	0	0	0	0
## ENSG00000248408.1	0	0	0	1	0
## ENSG00000251321.1	0	2	1	0	1
## ENSG00000212620.1	0	0	0	0	0
## ENSG00000163297.18	4337	5560	5045	5451	4871
## ENSG00000236530.2	1	1	5	5	5
## ENSG00000244002.1	0	0	0	0	1
## ENSG00000248719.2	14	34	20	24	18
## ENSG00000152784.16	47	47	50	42	42
## ENSG00000138675.17	9	8	14	15	16
## ENSG00000197826.13	4	1	3	0	1
## ENSG00000232327.4	0	0	0	0	0

## ENSG00000152785.8	15	15	13	2	22
## ENSG00000138669.10	178	155	228	232	216
## ENSG00000251059.6	0	0	0	0	0
## ENSG00000207065.1	0	0	0	0	0
## ENSG00000138670.19	805	970	838	937	806
## ENSG00000248282.1	0	0	0	0	0
## ENSG00000248448.2	0	0	0	0	0
## ENSG00000252762.1	0	0	0	0	0
## ENSG00000248543.2	0	0	0	0	0
## ENSG00000250826.2	0	1	0	3	0
## ENSG00000202485.1	0	0	0	0	0
## ENSG00000234568.3	0	0	0	0	0
## ENSG00000293501.1	0	0	0	0	0
## ENSG00000284516.2	0	0	1	0	0
## ENSG00000273156.2	12	24	18	17	26
## ENSG00000289480.1	16	13	6	11	17
## ENSG00000138668.20	33857	39992	41467	35477	43005
## ENSG00000272677.3	19	15	17	14	14
## ENSG00000250325.1	5	3	5	7	5
## ENSG00000202440.1	0	0	0	0	0
## ENSG00000152795.18	17317	19521	19737	19615	19398
## ENSG00000145293.17	6480	7858	7644	7631	7825
## ENSG00000249242.8	1166	809	1270	864	973
## ENSG00000214988.4	2	1	4	2	2
## ENSG00000293008.1	1	0	2	1	0
## ENSG00000227304.4	0	0	0	0	0
## ENSG00000289186.1	0	2	1	0	4
## ENSG00000249960.2	0	0	2	0	0
## ENSG00000248113.2	2	5	7	10	3
## ENSG00000231782.7	3	1	1	0	0
## ENSG00000286490.1	0	0	0	0	0
## ENSG00000145284.12	5998	3870	6531	4201	6767
## ENSG00000270480.1	6	3	12	8	6
## ENSG00000207746.1	0	0	0	0	0
## ENSG00000270842.1	1	0	1	0	0
## ENSG00000138674.17	19434	26481	22447	26914	22183
## ENSG00000251022.6	2003	2629	2324	2585	2197
## ENSG00000168152.13	685	896	794	835	651
## ENSG00000189308.11	1347	1739	1682	1658	1367
## ENSG00000199530.1	0	0	1	1	3
## ENSG00000251874.1	0	0	0	0	0
## ENSG00000138663.9	3462	4024	3710	3771	4014
## ENSG00000286035.1	10	2	4	0	3
## ENSG00000145287.11	750	1425	911	1202	850
## ENSG00000250057.1	0	1	1	1	1
## ENSG00000250677.1	0	2	0	0	0
## ENSG00000248401.2	1	0	0	0	0
## ENSG00000173085.15	1131	1330	1307	1263	1316
## ENSG00000173083.16	1000	412	1068	349	717
## ENSG00000274154.1	0	0	0	0	0
## ENSG00000251647.2	0	0	0	0	0
## ENSG00000163312.11	806	936	858	981	777
## ENSG00000163319.11	1063	1324	1206	1329	1374
## ENSG00000163322.14	2019	2201	2195	1808	1916

## ENSG00000213608.5	1	3	1	1	0
## ENSG00000239525.1	0	0	0	0	0
## ENSG00000138678.11	229	319	452	522	323
## ENSG00000201633.1	0	0	1	0	0
## ENSG00000249171.1	0	0	0	0	0
## ENSG00000250546.6	4	7	4	3	2
## ENSG00000200108.1	0	0	0	0	0
## ENSG00000214980.4	1	2	0	1	1
## ENSG00000248749.1	13	7	5	8	9
## ENSG00000163623.10	7822	6168	8831	6496	7949
## ENSG00000258013.2	0	0	0	0	0
## ENSG00000163624.6	4955	7497	5704	7389	5545
## ENSG00000163625.17	4321	6119	5647	6341	4346
## ENSG00000239466.3	1	0	0	0	0
## ENSG00000251260.2	0	0	1	0	0
## ENSG00000252062.1	0	0	0	1	0
## ENSG00000180769.10	130	152	152	180	131
## ENSG00000286189.1	0	0	0	0	2
## ENSG00000201901.1	0	0	0	0	0
## ENSG00000248725.3	0	0	0	0	0
## ENSG00000138639.18	890	794	1021	808	854
## ENSG00000266421.3	0	0	0	0	0
## ENSG00000109339.24	432	275	508	361	533
## ENSG00000250062.5	1	0	1	2	2
## ENSG00000252757.1	0	0	0	0	0
## ENSG00000266515.1	0	0	0	0	0
## ENSG00000163629.13	13341	11326	16273	13625	11860
## ENSG00000145283.8	0	1	2	6	3
## ENSG00000243312.3	2	2	2	4	3
## ENSG00000163633.12	10	10	8	13	16
## ENSG00000250202.2	0	0	0	0	1
## ENSG00000285458.1	18	15	17	17	11
## ENSG00000251411.1	7	3	10	12	11
## ENSG00000284968.1	69	111	76	77	72
## ENSG00000172493.23	5073	7614	6687	8268	5391
## ENSG00000235043.3	44	68	46	43	88
## ENSG00000145332.14	3242	4287	3896	3862	3433
## ENSG00000248196.1	2	4	0	0	2
## ENSG00000248180.1	8	12	7	9	15
## ENSG00000250572.1	0	0	0	0	0
## ENSG00000263981.1	0	0	0	0	0
## ENSG00000170509.12	5	22	10	12	8
## ENSG00000255723.1	0	0	1	0	0
## ENSG00000198189.11	2899	5316	3526	4397	3380
## ENSG00000240966.3	1	0	0	0	0
## ENSG00000249262.2	0	0	0	0	0
## ENSG00000170502.13	2151	2642	2505	2788	2504
## ENSG00000272856.1	1	0	0	1	0
## ENSG00000152583.13	11	9	10	6	13
## ENSG00000249001.6	0	0	0	0	0
## ENSG00000152591.15	1	0	0	0	0
## ENSG00000152592.15	2	0	1	0	0
## ENSG00000200024.1	0	0	0	0	0
## ENSG00000249973.2	0	0	0	0	0

## ENSG00000029559.7	0	0	0	0	0
## ENSG000000152595.17	1	0	0	0	0
## ENSG000000183199.6	250	286	268	321	337
## ENSG000000286618.1	5	1	4	1	1
## ENSG000000118785.15	4365	15705	5262	14635	9294
## ENSG000000202000.1	1	0	1	1	0
## ENSG000000289034.1	7	3	9	4	5
## ENSG000000118762.8	3774	5362	4361	5214	4210
## ENSG000000118777.12	15512	22081	17534	20900	15640
## ENSG000000241853.1	0	0	0	0	0
## ENSG000000201707.1	0	0	0	0	0
## ENSG000000221440.1	0	0	0	0	0
## ENSG000000251285.2	0	0	0	0	0
## ENSG000000199326.1	0	0	0	0	0
## ENSG000000163644.15	683	730	919	726	549
## ENSG000000200469.1	0	0	0	0	0
## ENSG000000246375.5	6	2	0	2	2
## ENSG000000207480.1	0	0	0	0	0
## ENSG000000287181.1	0	0	0	0	0
## ENSG000000286978.1	0	0	0	0	0
## ENSG000000138642.16	433	465	481	445	391
## ENSG000000138646.9	157	162	160	126	145
## ENSG000000249934.2	0	1	1	0	0
## ENSG000000145337.5	0	0	0	0	0
## ENSG000000255072.2	0	0	0	0	0
## ENSG000000287542.1	0	0	0	0	0
## ENSG000000285122.1	0	0	2	1	1
## ENSG000000249755.2	1	0	0	0	0
## ENSG000000252322.1	0	0	0	0	0
## ENSG000000138641.18	12	22	9	7	11
## ENSG000000207524.1	5	7	16	6	7
## ENSG000000177432.8	150	141	175	121	166
## ENSG000000248019.3	8	21	16	20	3
## ENSG000000278151.1	0	0	0	0	0
## ENSG000000276003.1	0	0	0	0	0
## ENSG000000138640.15	1382	1727	1697	1854	1479
## ENSG000000180346.5	1260	1878	1568	1881	1575
## ENSG000000270720.1	3	8	5	9	6
## ENSG000000212226.1	1	0	0	0	0
## ENSG000000185477.5	1757	1387	2081	1327	1479
## ENSG000000251095.8	394	1572	578	1476	714
## ENSG000000288563.1	0	0	0	1	0
## ENSG000000145335.17	268	386	322	462	398
## ENSG000000274238.1	22	48	34	49	41
## ENSG000000277695.1	1	10	5	9	7
## ENSG000000276542.1	4	18	10	17	8
## ENSG000000247775.2	2	3	0	5	0
## ENSG000000138722.10	231	130	260	127	188
## ENSG000000287239.1	0	0	0	0	0
## ENSG000000184305.16	750	917	952	930	688
## ENSG000000252087.1	0	0	0	0	0
## ENSG000000251401.2	0	0	0	0	0
## ENSG000000187653.11	267	293	284	384	391
## ENSG000000248984.1	0	0	0	0	0

## ENSG00000249049.1	0	1	0	0	0
## ENSG00000279013.1	0	0	0	0	0
## ENSG00000249891.2	0	0	0	0	0
## ENSG00000249052.1	0	0	0	0	0
## ENSG00000248817.1	1	0	0	2	1
## ENSG00000287392.1	0	0	0	0	0
## ENSG00000280056.1	0	0	0	0	0
## ENSG00000249152.1	0	0	0	0	0
## ENSG00000248511.1	0	0	0	1	0
## ENSG00000152208.13	85	77	91	50	122
## ENSG00000251449.2	0	0	0	0	0
## ENSG00000249239.2	0	0	0	0	0
## ENSG00000248627.1	0	0	0	0	0
## ENSG00000248750.2	0	0	0	0	0
## ENSG00000250908.1	0	0	0	0	0
## ENSG00000252342.1	0	0	0	0	0
## ENSG00000172238.6	9	4	24	8	8
## ENSG00000246541.2	0	0	0	1	0
## ENSG00000250897.2	2	0	0	0	0
## ENSG00000163104.18	8237	11102	9556	10348	8436
## ENSG00000163106.11	1	1	0	0	0
## ENSG00000287552.1	0	1	0	0	0
## ENSG00000241103.1	0	0	0	1	0
## ENSG00000163110.15	11171	16869	14010	15309	12069
## ENSG00000249951.1	0	0	1	0	0
## ENSG00000249599.2	10	5	10	2	7
## ENSG00000138696.11	1018	918	1205	789	987
## ENSG00000182168.16	10170	6178	10417	5768	8881
## ENSG00000271474.1	108	68	132	87	81
## ENSG00000242936.1	0	0	0	0	0
## ENSG00000163114.6	0	0	0	1	0
## ENSG00000200622.1	0	0	0	0	0
## ENSG00000201744.1	0	0	0	0	0
## ENSG00000250655.1	0	0	0	0	0
## ENSG00000248510.2	0	0	1	0	0
## ENSG00000201640.2	0	0	0	0	0
## ENSG00000287841.1	0	0	0	0	0
## ENSG00000236764.4	0	1	0	2	0
## ENSG00000253170.1	0	0	0	0	0
## ENSG00000163116.10	8	12	6	8	10
## ENSG00000254044.5	0	0	0	1	3
## ENSG00000251620.3	0	1	0	0	0
## ENSG00000250293.1	0	0	0	0	0
## ENSG00000242697.2	15	13	9	18	23
## ENSG00000214904.5	0	0	0	0	0
## ENSG00000214559.3	0	0	0	2	3
## ENSG00000289532.2	14	15	15	17	24
## ENSG00000138698.15	4135	4495	4748	4492	4407
## ENSG00000242318.1	0	1	0	0	0
## ENSG00000168785.8	2124	2006	2495	2054	2419
## ENSG00000251523.1	0	0	1	0	0
## ENSG00000260641.2	35	24	36	21	29
## ENSG00000249764.1	0	0	0	0	0
## ENSG00000227118.3	4	1	1	6	6

## ENSG00000151247.13	7300	9779	8538	8964	8583
## ENSG00000249055.1	0	4	1	2	1
## ENSG00000263923.1	1	0	0	0	0
## ENSG00000214886.4	0	0	0	0	0
## ENSG00000287512.1	0	0	0	2	0
## ENSG00000252548.1	0	0	0	0	0
## ENSG00000251437.1	0	0	0	0	0
## ENSG00000164024.12	5955	7631	6770	7507	6422
## ENSG00000265213.1	0	1	0	0	0
## ENSG00000250496.2	0	0	0	0	0
## ENSG00000272777.1	57	85	38	68	55
## ENSG00000197894.12	22555	28794	26099	27995	27702
## ENSG00000246090.9	70	109	101	83	79
## ENSG00000198099.10	0	2	1	5	3
## ENSG00000293361.1	0	0	0	0	0
## ENSG00000249065.3	0	0	0	0	0
## ENSG00000172955.17	36	39	47	43	53
## ENSG00000187758.8	14	5	9	7	11
## ENSG00000196616.15	26	22	42	19	40
## ENSG00000248144.6	66	60	55	39	87
## ENSG00000196344.12	0	0	0	0	0
## ENSG00000250300.1	0	0	0	0	0
## ENSG00000138813.10	4	3	3	5	1
## ENSG00000145331.14	800	1148	925	978	838
## ENSG00000138823.14	7973	13361	9994	13622	9229
## ENSG00000248676.1	2	6	4	7	3
## ENSG00000248713.2	2	0	0	0	0
## ENSG00000070190.13	5	6	3	7	0
## ENSG00000279913.1	0	0	0	0	0
## ENSG00000109270.13	2960	3927	3396	3491	3212
## ENSG00000164031.17	3185	4756	4173	4023	3327
## ENSG00000279098.1	2	0	0	0	0
## ENSG00000164032.12	25000	27598	27023	26109	30783
## ENSG00000245322.8	10	15	15	15	15
## ENSG00000250403.1	4	2	1	4	2
## ENSG00000248820.2	0	0	0	0	0
## ENSG00000145358.6	573	746	652	885	672
## ENSG00000249710.1	1	0	0	0	0
## ENSG00000164035.10	1	4	1	9	5
## ENSG00000286150.1	0	0	0	0	0
## ENSG00000250223.1	0	0	1	0	0
## ENSG00000251219.2	0	0	0	0	0
## ENSG00000251636.1	0	0	0	0	0
## ENSG00000138814.17	7990	8930	8610	7324	8354
## ENSG00000273882.1	1	0	0	0	0
## ENSG00000221265.1	0	0	0	0	0
## ENSG00000254531.3	212	176	212	220	299
## ENSG00000153064.12	88	67	91	59	66
## ENSG00000286124.1	0	0	0	0	0
## ENSG00000199529.1	0	0	0	0	0
## ENSG00000251149.1	0	0	0	0	0
## ENSG00000251309.1	0	0	0	0	0
## ENSG00000138821.14	2178	1099	2226	1024	1946
## ENSG00000241144.3	0	0	0	0	0

## ENSG00000248161.5	32	27	36	22	34
## ENSG00000251572.2	0	0	0	0	0
## ENSG00000260651.1	1	2	1	4	1
## ENSG00000109320.14	2452	3248	2899	3465	2759
## ENSG00000109323.11	12283	15835	13958	14989	13938
## ENSG00000241981.2	1	3	1	3	0
## ENSG00000230069.3	4	5	10	5	6
## ENSG00000248971.2	41	40	40	44	31
## ENSG00000224207.3	1	1	0	0	1
## ENSG00000251288.2	1	0	3	3	4
## ENSG00000109332.20	29067	36255	32735	33324	33157
## ENSG00000286242.1	7	8	8	7	2
## ENSG00000246560.3	78	125	105	127	113
## ENSG00000252739.1	0	0	1	0	0
## ENSG00000145354.12	2826	3903	3189	3138	3102
## ENSG00000164037.17	32	22	42	46	33
## ENSG00000250651.1	1	0	3	8	2
## ENSG00000249283.3	0	0	0	0	0
## ENSG00000164038.16	1175	1369	1316	1327	1305
## ENSG00000164039.15	2766	3603	3188	3858	3090
## ENSG00000138778.14	3847	6115	4886	6503	4303
## ENSG00000248740.8	5	19	6	18	6
## ENSG00000251577.5	11	65	27	48	16
## ENSG00000250920.3	0	0	0	0	1
## ENSG00000251571.1	0	0	0	0	0
## ENSG00000169836.5	92	106	147	120	127
## ENSG00000286291.1	2	0	0	2	0
## ENSG00000252460.1	0	0	0	0	0
## ENSG00000249614.2	0	0	0	0	0
## ENSG00000251170.6	0	0	0	0	0
## ENSG00000168772.12	547	647	758	621	606
## ENSG00000245384.2	2	1	3	2	0
## ENSG00000250670.1	0	0	0	0	0
## ENSG00000248242.1	0	0	0	0	0
## ENSG00000244470.2	0	0	0	0	0
## ENSG00000248373.7	0	2	2	2	1
## ENSG00000251906.2	0	0	0	0	0
## ENSG00000276992.1	0	0	0	0	0
## ENSG00000251473.2	0	0	0	0	0
## ENSG00000252136.1	0	0	0	0	0
## ENSG00000251259.1	4	11	3	4	5
## ENSG00000168769.14	1479	2185	2119	2248	1575
## ENSG00000251586.1	0	0	0	0	0
## ENSG00000243383.3	0	0	0	0	0
## ENSG00000138777.20	4798	6514	5390	5937	5843
## ENSG00000200917.1	0	0	0	0	0
## ENSG00000249264.1	574	533	540	867	999
## ENSG00000216425.4	0	0	0	1	0
## ENSG00000250922.1	0	0	0	0	0
## ENSG00000250522.1	0	0	3	3	0
## ENSG00000236699.9	38	83	77	91	35
## ENSG00000249885.1	1	1	0	0	0
## ENSG00000248778.1	0	0	0	0	0
## ENSG00000138785.16	1542	1891	1621	1780	1733

## ENSG00000138780.15	2726	3768	3330	3733	3105
## ENSG00000251175.5	0	4	4	1	2
## ENSG00000168743.13	395	405	559	588	403
## ENSG00000250740.1	0	0	0	0	1
## ENSG00000249635.1	2	2	2	3	1
## ENSG00000145348.17	1985	2488	2516	2459	2250
## ENSG00000164022.18	4708	6145	5654	5966	5039
## ENSG00000250298.6	0	1	0	0	0
## ENSG00000249613.2	0	0	0	0	0
## ENSG00000286147.1	0	0	0	2	0
## ENSG00000248915.2	0	0	0	0	0
## ENSG00000155011.9	34	33	43	38	36
## ENSG00000213522.4	2	3	8	7	1
## ENSG00000251081.1	0	0	0	0	0
## ENSG00000252470.1	0	0	0	0	0
## ENSG00000138801.9	17050	23964	19947	24712	19565
## ENSG00000164023.15	982	1664	1166	1381	1014
## ENSG00000245293.5	7	8	8	5	11
## ENSG00000222691.1	0	0	0	0	0
## ENSG00000155016.18	1139	1239	1217	1276	1348
## ENSG00000249604.1	0	3	0	0	0
## ENSG00000138796.18	5562	6129	6233	5968	6073
## ENSG00000138795.10	171	253	219	276	224
## ENSG00000232021.9	1	0	3	0	3
## ENSG00000239939.1	0	0	0	0	0
## ENSG00000278589.1	0	0	0	0	0
## ENSG00000250485.1	0	0	0	0	0
## ENSG00000234492.6	11	9	17	11	15
## ENSG00000109475.17	30652	37115	35701	40532	41535
## ENSG00000198856.13	11106	15022	12815	13432	12952
## ENSG00000206601.1	1	0	1	7	0
## ENSG00000286136.2	8	14	22	16	13
## ENSG00000164089.9	3	5	3	8	10
## ENSG00000249257.1	0	0	0	0	0
## ENSG00000250185.2	2	2	0	0	0
## ENSG00000188517.17	38	44	43	53	25
## ENSG00000246774.1	0	1	0	1	0
## ENSG00000249465.1	7	9	4	19	8
## ENSG00000247950.9	62	105	81	89	99
## ENSG00000138802.11	4113	5572	5093	5942	4554
## ENSG00000243227.3	0	0	0	0	0
## ENSG00000207988.1	0	0	0	0	0
## ENSG00000225094.3	2	1	1	4	1
## ENSG00000249965.2	0	2	0	1	0
## ENSG00000005059.16	225	259	271	219	279
## ENSG00000248785.1	4	10	5	7	11
## ENSG00000138794.10	3900	5889	4465	5541	4774
## ENSG00000273447.1	20	15	12	14	11
## ENSG00000123739.11	2142	2485	2539	2325	2286
## ENSG00000285330.1	0	0	0	0	0
## ENSG00000205403.15	10	19	15	24	6
## ENSG00000272795.1	1	0	2	2	1
## ENSG00000109534.17	1912	2320	2197	2043	2289
## ENSG00000180245.7	13	5	19	13	16

## ENSG00000183423.12	5	15	12	8	7
## ENSG00000249681.2	0	1	0	4	4
## ENSG00000138798.13	27	53	40	46	29
## ENSG00000207260.1	0	0	0	0	0
## ENSG00000170522.10	11612	15802	13718	15558	13215
## ENSG00000263940.2	0	0	0	0	0
## ENSG00000248200.2	0	3	0	0	0
## ENSG00000288913.2	53	58	54	81	71
## ENSG00000166530.8	1	1	1	3	4
## ENSG00000250594.2	0	0	0	0	0
## ENSG00000212160.1	0	0	0	0	0
## ENSG00000250304.2	0	0	0	0	5
## ENSG00000138792.10	104	160	136	143	101
## ENSG00000251464.2	0	1	0	0	0
## ENSG00000251046.2	1	0	0	1	0
## ENSG00000199894.1	1	0	0	0	0
## ENSG00000250511.1	24	40	37	51	37
## ENSG00000250103.3	78	104	97	88	73
## ENSG00000164093.18	3322	5036	4155	5533	5134
## ENSG00000289096.1	10	35	22	25	22
## ENSG00000249519.1	0	1	0	1	0
## ENSG00000215961.1	0	0	0	0	0
## ENSG00000288692.1	0	0	0	1	0
## ENSG00000251483.2	0	0	1	2	4
## ENSG00000251312.2	0	0	0	0	0
## ENSG00000200963.1	0	0	0	0	0
## ENSG00000248656.3	1	0	1	0	0
## ENSG00000241722.2	0	0	0	0	0
## ENSG00000250855.2	0	0	0	0	0
## ENSG00000249815.2	0	0	0	3	0
## ENSG00000288691.1	0	0	0	0	0
## ENSG00000288685.1	0	0	0	1	0
## ENSG00000250556.1	0	0	0	0	0
## ENSG00000250307.2	0	0	0	0	0
## ENSG00000240459.2	2	2	4	5	6
## ENSG00000174749.6	16	37	22	27	29
## ENSG00000243280.2	0	0	0	0	0
## ENSG00000260526.1	44	80	79	46	63
## ENSG00000138660.12	1761	2461	2103	2351	1869
## ENSG00000145365.12	737	971	852	969	792
## ENSG00000073331.18	109	169	140	194	128
## ENSG00000251441.4	0	3	0	0	0
## ENSG00000293208.1	0	0	0	0	0
## ENSG00000248697.1	4	3	3	5	9
## ENSG00000178403.4	1	1	1	1	0
## ENSG00000249509.1	0	2	0	0	0
## ENSG00000248439.2	0	0	0	0	0
## ENSG00000138658.16	551	642	613	623	441
## ENSG00000250966.2	58	63	65	70	101
## ENSG00000174720.18	1751	2436	2153	2455	1943
## ENSG00000249532.6	0	1	2	3	0
## ENSG00000199169.1	0	0	0	0	0
## ENSG00000199145.1	0	0	0	0	0
## ENSG00000207927.1	0	0	0	0	0

## ENSG00000199102.1	0	0	0	0	0
## ENSG00000284463.1	0	0	0	0	0
## ENSG00000220924.4	3	2	1	8	3
## ENSG00000250046.3	0	1	0	0	0
## ENSG00000248633.1	2	2	1	0	1
## ENSG00000241002.1	2	0	1	0	0
## ENSG00000202536.2	0	0	0	0	0
## ENSG00000241741.1	78	99	91	122	122
## ENSG00000250500.1	0	0	0	0	0
## ENSG00000145362.21	210	181	264	197	229
## ENSG00000234841.4	0	0	0	0	0
## ENSG00000251126.2	0	0	0	0	0
## ENSG00000228814.4	0	0	0	0	0
## ENSG00000248152.2	1	1	3	0	2
## ENSG00000249373.2	0	0	0	0	0
## ENSG00000283193.1	0	0	0	0	0
## ENSG00000275810.1	0	0	0	0	0
## ENSG00000196656.8	28	25	11	36	36
## ENSG00000293227.1	0	0	0	0	0
## ENSG00000145349.20	13446	20892	16928	20047	13951
## ENSG00000239279.3	0	0	0	1	0
## ENSG00000206820.1	0	0	0	0	0
## ENSG00000250229.1	0	0	1	0	1
## ENSG00000180801.14	654	1606	811	1682	994
## ENSG00000249304.1	3	7	4	3	2
## ENSG00000248716.2	0	0	0	0	0
## ENSG00000288781.2	3	4	9	3	14
## ENSG00000174607.11	4243	9949	5192	8819	5209
## ENSG00000207931.1	0	0	0	0	0
## ENSG00000250215.1	0	1	0	0	1
## ENSG00000240637.3	0	0	0	0	0
## ENSG00000138653.10	14	6	15	3	7
## ENSG00000251308.1	1	0	0	0	0
## ENSG00000250693.2	0	0	0	0	0
## ENSG00000248488.2	0	0	0	0	0
## ENSG00000250363.1	0	3	4	4	6
## ENSG00000293005.1	0	0	0	0	0
## ENSG00000250442.1	0	0	0	1	0
## ENSG00000249259.4	0	0	0	0	0
## ENSG00000250627.2	0	0	0	0	0
## ENSG00000284253.1	0	0	0	0	0
## ENSG00000250272.1	0	0	0	0	0
## ENSG00000248139.2	0	0	0	0	0
## ENSG00000250791.2	0	0	0	2	0
## ENSG00000213493.3	5	7	3	8	10
## ENSG00000287845.1	0	0	0	0	0
## ENSG00000287520.1	0	0	0	0	0
## ENSG00000287290.1	0	0	0	0	1
## ENSG00000286637.1	0	0	0	0	0
## ENSG00000201752.1	0	0	0	0	0
## ENSG00000271053.1	0	1	0	0	0
## ENSG00000174599.5	203	243	258	217	183
## ENSG00000223605.1	0	0	0	0	0
## ENSG00000224932.2	0	0	0	0	0

## ENSG00000228358.7	0	0	0	0	0
## ENSG00000236922.10	1	0	1	4	1
## ENSG00000237684.1	0	0	0	0	0
## ENSG00000293004.1	8	11	6	11	7
## ENSG00000213492.3	0	0	0	0	0
## ENSG00000286269.1	9	14	8	15	12
## ENSG00000288921.1	0	1	0	3	2
## ENSG00000229565.2	0	0	0	0	0
## ENSG00000164100.9	490	669	613	617	601
## ENSG00000251463.2	0	2	0	0	0
## ENSG00000269893.10	2213	2723	2519	2840	2685
## ENSG00000275994.1	0	0	0	0	0
## ENSG00000164099.3	5323	11533	6602	11345	6696
## ENSG00000230671.2	0	0	0	0	0
## ENSG00000273716.2	35	46	38	80	72
## ENSG00000154608.14	39	31	40	39	29
## ENSG00000291201.1	329	400	351	470	360
## ENSG00000260404.6	0	0	0	0	0
## ENSG00000223225.1	0	0	0	0	0
## ENSG00000248213.3	38	40	45	71	30
## ENSG00000251155.2	7	6	14	10	6
## ENSG00000281731.3	7	14	13	22	10
## ENSG00000145388.15	2272	2748	2719	2858	2306
## ENSG00000150961.15	2808	4086	3984	4822	3333
## ENSG00000172403.11	63	310	157	417	233
## ENSG00000249002.2	0	0	0	0	0
## ENSG00000172399.6	6	22	8	28	11
## ENSG00000293254.1	0	5	0	6	0
## ENSG00000178636.9	0	0	0	0	0
## ENSG00000145390.12	2788	3498	3297	3460	2426
## ENSG00000164096.13	6031	7564	6949	7400	7693
## ENSG00000145384.4	0	1	1	0	0
## ENSG00000250412.1	13	12	17	13	19
## ENSG00000201186.1	0	0	0	0	0
## ENSG00000249244.1	51	54	60	58	58
## ENSG00000291202.1	346	367	365	392	362
## ENSG00000260091.1	0	0	0	0	0
## ENSG00000223208.1	2	0	0	0	0
## ENSG00000283050.5	0	0	0	0	0
## ENSG00000291203.1	503	597	547	601	514
## ENSG00000250950.1	6	3	1	3	1
## ENSG00000245958.9	0	0	0	0	0
## ENSG00000138735.16	7663	7709	9417	8040	7865
## ENSG00000221245.1	0	0	0	1	0
## ENSG00000286241.1	0	0	0	0	0
## ENSG00000250772.6	0	0	0	0	0
## ENSG00000250183.2	0	0	0	0	0
## ENSG00000250392.2	1	0	0	0	1
## ENSG00000200553.1	0	0	0	0	0
## ENSG00000253825.1	1	0	0	2	1
## ENSG00000164109.14	5624	7491	6935	6574	6738
## ENSG00000250938.8	14	13	11	18	14
## ENSG00000250219.2	0	0	0	0	0
## ENSG00000225665.4	0	1	0	0	0

## ENSG00000249409.1	0	0	1	0	0
## ENSG00000138738.11	642	913	793	960	736
## ENSG00000212359.1	0	0	0	0	0
## ENSG00000251609.2	11	14	18	29	12
## ENSG00000173376.14	311	464	472	574	439
## ENSG00000223006.1	0	0	0	0	0
## ENSG00000250344.1	1	0	0	1	0
## ENSG00000271302.1	0	0	0	0	0
## ENSG00000050730.16	0	3	4	5	4
## ENSG00000252183.1	1	0	0	0	0
## ENSG00000186867.11	11	3	8	2	10
## ENSG00000207148.1	0	0	0	0	0
## ENSG00000213480.3	0	1	0	1	2
## ENSG00000224062.4	0	0	0	0	0
## ENSG00000164111.15	22542	29808	26111	26108	27482
## ENSG00000164112.14	0	0	0	2	0
## ENSG00000226757.2	0	0	0	0	0
## ENSG00000123737.13	3298	3800	3823	3833	3901
## ENSG00000145386.11	7505	8134	8453	7663	8288
## ENSG00000138686.10	1292	1667	1523	1789	1395
## ENSG00000261501.1	0	0	0	0	0
## ENSG00000138741.11	62	169	84	160	100
## ENSG00000289342.2	0	0	1	0	2
## ENSG00000237868.1	0	2	1	2	2
## ENSG00000241037.3	0	0	0	0	0
## ENSG00000138688.17	3057	4377	3975	4826	2699
## ENSG00000164113.11	0	0	2	0	0
## ENSG00000109471.5	0	0	0	0	0
## ENSG00000138684.9	0	0	0	0	0
## ENSG00000227145.2	0	2	1	1	0
## ENSG00000287692.1	0	0	0	0	0
## ENSG00000293471.1	26	29	30	26	27
## ENSG00000224786.4	0	0	0	0	0
## ENSG00000181004.10	496	546	582	601	525
## ENSG00000244083.1	0	0	0	0	0
## ENSG00000138685.18	205	425	352	415	258
## ENSG00000240775.1	0	0	0	0	0
## ENSG00000273007.2	17	25	22	33	13
## ENSG00000170917.14	118	128	132	173	164
## ENSG00000145375.9	752	975	1015	973	868
## ENSG00000250322.2	0	0	0	0	0
## ENSG00000287951.1	5	1	4	8	4
## ENSG00000164056.11	1388	2708	1946	2695	2288
## ENSG00000249125.2	0	0	0	0	0
## ENSG00000251526.1	0	5	1	0	1
## ENSG00000249464.8	84	140	111	117	142
## ENSG00000226655.1	0	0	0	0	0
## ENSG00000228489.1	0	0	0	1	0
## ENSG00000250458.2	0	0	0	0	0
## ENSG00000286700.1	0	1	2	0	0
## ENSG00000250484.2	0	0	0	0	0
## ENSG00000249837.1	0	0	0	0	0
## ENSG00000286734.1	3	0	1	0	3
## ENSG00000248506.1	0	0	0	0	0

## ENSG00000248565.2	0	1	0	0	1
## ENSG00000261083.3	2	0	1	2	1
## ENSG00000151458.12	3040	4009	3595	3866	2952
## ENSG00000196159.14	120	189	177	239	144
## ENSG00000201297.1	0	0	0	0	0
## ENSG00000283550.1	0	0	0	0	0
## ENSG00000250149.2	0	0	0	0	0
## ENSG00000251436.2	0	0	0	0	0
## ENSG00000249555.2	0	0	0	0	0
## ENSG00000251649.2	0	0	0	0	0
## ENSG00000251005.1	0	0	0	0	0
## ENSG00000286251.2	0	0	1	0	0
## ENSG00000223620.3	0	0	0	0	0
## ENSG00000289869.1	0	0	0	0	0
## ENSG00000199862.1	0	0	0	0	0
## ENSG00000250945.1	0	0	0	0	0
## ENSG00000248491.6	0	0	0	1	0
## ENSG00000287101.1	0	0	0	0	0
## ENSG00000248209.1	0	0	0	0	0
## ENSG00000249795.1	0	0	0	0	0
## ENSG00000287021.1	1	0	1	0	1
## ENSG00000164066.13	1158	1511	1410	1493	1063
## ENSG00000151475.6	0	0	0	0	0
## ENSG00000164070.12	2608	4336	3230	4034	3539
## ENSG00000282855.1	4	1	4	1	3
## ENSG00000244021.4	2	6	10	3	8
## ENSG00000261668.1	1	4	3	6	4
## ENSG00000142731.11	2024	2394	2360	2342	1963
## ENSG00000251821.1	0	1	2	0	0
## ENSG00000164073.11	843	1127	991	1138	960
## ENSG00000164074.17	947	1140	1094	1230	909
## ENSG00000138709.20	2186	2682	2544	2634	2194
## ENSG00000241651.4	12	8	6	14	12
## ENSG00000248394.1	0	1	1	0	1
## ENSG00000164040.18	7667	9837	8958	9036	8908
## ENSG00000251432.8	19	35	33	34	25
## ENSG00000273077.1	0	2	2	0	2
## ENSG00000248187.1	3	1	4	1	3
## ENSG00000248802.1	0	0	1	0	0
## ENSG00000289243.1	0	0	0	0	0
## ENSG00000280711.1	0	0	0	0	0
## ENSG00000077684.16	4019	4089	4751	3915	4206
## ENSG00000151466.12	676	878	779	870	730
## ENSG00000275647.1	0	0	0	0	0
## ENSG00000151470.13	448	666	518	600	456
## ENSG00000251345.2	0	0	0	0	0
## ENSG00000248958.2	0	0	0	0	0
## ENSG00000251195.1	0	0	0	0	0
## ENSG00000250193.1	0	0	0	0	0
## ENSG00000287748.1	0	0	0	0	0
## ENSG00000246876.7	0	0	0	0	0
## ENSG00000249618.6	0	1	2	0	0
## ENSG00000234125.5	1	0	0	0	0
## ENSG00000251326.2	0	0	0	0	0

## ENSG0000024877.2	0	0	0	0	0
## ENSG00000249018.2	0	0	0	0	0
## ENSG00000280059.1	0	0	0	0	0
## ENSG00000250503.1	0	0	0	0	0
## ENSG00000287924.1	0	0	0	0	0
## ENSG00000250213.2	0	0	0	0	0
## ENSG00000206782.1	0	0	0	0	0
## ENSG00000250102.6	0	0	0	0	0
## ENSG00000248715.2	0	0	0	0	0
## ENSG00000241392.3	0	0	0	0	0
## ENSG00000251676.2	0	0	0	0	0
## ENSG00000252014.1	0	0	0	0	0
## ENSG00000249416.2	0	0	0	0	0
## ENSG00000184139.8	0	0	0	0	0
## ENSG00000251555.1	0	0	0	0	0
## ENSG00000251598.2	0	0	0	0	0
## ENSG00000249463.1	0	0	0	0	0
## ENSG00000251051.1	0	0	0	0	0
## ENSG00000248369.1	0	0	0	0	0
## ENSG00000251398.2	1	0	0	0	0
## ENSG00000249038.2	0	0	0	0	0
## ENSG00000251488.1	0	0	0	0	0
## ENSG00000249513.2	0	0	0	0	0
## ENSG00000250241.7	10	12	13	13	8
## ENSG00000248735.2	0	0	0	0	0
## ENSG00000138650.9	219	405	395	618	461
## ENSG00000286467.1	0	0	0	0	0
## ENSG00000250191.1	0	0	0	0	0
## ENSG00000251388.1	0	0	3	0	0
## ENSG00000251199.6	1	0	0	0	2
## ENSG00000286253.1	0	0	0	0	0
## ENSG00000254535.4	360	472	440	477	408
## ENSG00000248191.1	0	0	0	0	0
## ENSG00000251291.2	0	0	0	0	0
## ENSG00000249000.1	0	0	0	0	0
## ENSG00000249847.1	0	0	0	0	0
## ENSG00000251228.1	0	0	0	0	0
## ENSG00000241411.1	1	2	1	0	2
## ENSG00000250144.1	438	429	437	627	691
## ENSG00000248434.1	0	0	0	0	0
## ENSG00000248456.1	7	8	16	14	15
## ENSG00000283432.1	0	0	0	0	0
## ENSG00000250834.1	0	0	2	1	0
## ENSG00000248104.1	0	0	0	0	0
## ENSG00000250865.1	0	0	0	0	0
## ENSG00000248330.5	0	0	1	1	0
## ENSG00000207322.1	0	0	0	0	0
## ENSG00000251492.1	0	0	0	0	0
## ENSG00000261166.1	0	0	0	0	0
## ENSG00000251567.5	0	0	0	0	0
## ENSG00000250665.1	0	0	0	0	0
## ENSG00000249311.4	0	1	1	1	1
## ENSG00000279749.1	0	0	0	0	0
## ENSG00000248869.7	21	30	26	36	37

## ENSG00000250341.1	0	0	0	0	0
## ENSG00000250813.1	0	0	0	0	0
## ENSG00000251440.2	0	0	0	0	0
## ENSG00000213448.3	1	3	0	1	1
## ENSG00000189184.12	1360	1567	1541	1743	1484
## ENSG00000251632.1	0	0	0	0	0
## ENSG00000280352.1	0	0	0	0	0
## ENSG00000250126.1	0	0	0	0	0
## ENSG00000250777.2	0	0	0	2	0
## ENSG00000287441.1	0	0	0	0	1
## ENSG00000250034.1	0	0	0	0	0
## ENSG00000287144.1	1	4	1	2	0
## ENSG00000248307.6	5	15	12	27	9
## ENSG00000250033.5	16	23	17	29	17
## ENSG00000151012.13	2839	5055	3292	4866	2538
## ENSG00000249091.1	1	0	0	0	0
## ENSG00000248397.1	2	0	0	0	0
## ENSG00000251372.7	0	0	1	0	0
## ENSG00000249381.1	0	0	0	0	0
## ENSG00000248305.1	0	0	0	0	0
## ENSG00000248795.1	5	7	4	7	10
## ENSG00000250977.1	0	0	0	0	0
## ENSG00000250501.3	0	0	0	0	0
## ENSG00000250195.1	1	1	0	1	1
## ENSG00000250577.1	0	0	0	0	0
## ENSG00000151014.6	1198	1411	1368	1358	1473
## ENSG00000109381.21	2878	3427	3548	3635	3133
## ENSG00000252503.1	16	11	18	18	13
## ENSG00000240723.3	0	1	0	2	0
## ENSG00000179967.11	66	86	76	75	140
## ENSG00000276396.1	0	0	1	0	0
## ENSG00000288785.1	2	2	3	3	2
## ENSG00000265892.2	0	0	0	0	0
## ENSG00000207384.1	0	0	0	0	0
## ENSG00000252362.1	0	0	0	0	0
## ENSG00000206722.1	0	0	0	0	0
## ENSG00000137463.5	25	32	28	30	30
## ENSG00000109390.13	1681	2072	2041	2149	2577
## ENSG00000164134.14	10543	12613	12078	12294	10377
## ENSG00000200520.1	0	0	0	0	0
## ENSG00000273247.7	199	189	208	219	199
## ENSG00000293157.1	1	1	0	2	0
## ENSG00000248863.3	0	0	3	0	0
## ENSG00000239005.1	2	1	0	0	0
## ENSG00000172007.7	1131	1796	1425	1588	1299
## ENSG00000145391.14	7963	12062	9544	11284	8735
## ENSG00000249302.2	0	0	0	0	1
## ENSG00000272717.1	41	62	41	54	60
## ENSG00000286896.2	5	3	7	4	7
## ENSG00000261268.2	2	7	5	1	4
## ENSG00000085871.9	1021	1291	1120	1366	1109
## ENSG00000201533.1	0	0	0	0	0
## ENSG00000178458.5	42	39	47	53	73
## ENSG00000196782.13	1686	1732	2046	1872	1764

## ENSG00000286320.2	1	0	3	0	0
## ENSG00000252233.1	0	0	0	0	0
## ENSG00000290022.1	1	0	4	1	1
## ENSG00000250698.1	0	0	0	0	0
## ENSG00000153130.18	7969	11457	9754	9290	8944
## ENSG00000196951.13	42	45	42	48	52
## ENSG00000249754.2	0	0	0	0	0
## ENSG00000241923.2	13	24	29	23	32
## ENSG00000153132.13	1831	1406	2094	1390	2068
## ENSG00000205301.12	0	0	0	0	0
## ENSG00000280262.1	0	0	0	0	0
## ENSG00000179387.10	5174	7336	6263	6221	5456
## ENSG00000109424.4	3	5	4	7	4
## ENSG00000287449.1	0	1	1	2	0
## ENSG00000242102.3	0	0	0	0	0
## ENSG00000248621.2	0	0	0	0	0
## ENSG00000109436.8	4673	6113	5730	6178	5084
## ENSG00000249661.1	7	6	3	9	11
## ENSG00000207155.1	0	0	0	0	0
## ENSG00000248335.1	0	0	0	0	0
## ENSG00000273472.2	117	106	126	121	114
## ENSG00000222613.1	0	0	0	0	0
## ENSG00000170153.11	3779	5096	4395	4968	4454
## ENSG00000109445.11	2427	2902	3043	2926	2677
## ENSG00000248747.1	1	0	6	5	7
## ENSG00000248810.4	17	5	5	15	12
## ENSG00000250189.2	0	0	0	0	0
## ENSG00000272632.1	0	0	1	0	0
## ENSG00000250141.1	0	0	0	0	0
## ENSG00000164136.17	34	53	38	55	39
## ENSG00000109452.13	1001	2471	1166	2507	1210
## ENSG00000242134.2	0	0	0	0	0
## ENSG00000250835.1	0	0	0	1	0
## ENSG00000251248.1	0	0	0	0	0
## ENSG00000249806.1	1	0	2	1	0
## ENSG00000250326.2	28	25	22	12	18
## ENSG00000251300.1	0	0	0	0	0
## ENSG00000170185.11	2689	3326	3049	3137	2790
## ENSG00000250969.1	0	0	0	0	1
## ENSG00000200049.1	0	0	0	0	0
## ENSG00000109458.10	2797	4375	3424	3773	2911
## ENSG00000265623.1	0	0	0	0	0
## ENSG00000228981.3	40	34	41	25	48
## ENSG00000286771.1	1	1	0	0	2
## ENSG00000293348.1	0	0	0	0	0
## ENSG00000243175.2	0	0	0	0	0
## ENSG00000250540.1	0	0	0	0	0
## ENSG00000245112.2	261	314	249	280	329
## ENSG00000153147.6	24155	30449	28328	28551	25299
## ENSG00000248924.3	0	0	0	0	0
## ENSG00000293301.1	0	0	0	0	0
## ENSG00000251600.9	44	54	56	44	54
## ENSG00000236296.9	0	0	0	0	0
## ENSG00000183090.5	3	3	2	1	1

## ENSG00000250345.2	1	0	0	0	0
## ENSG00000197465.14	25	39	24	32	27
## ENSG00000249741.2	25	20	20	17	26
## ENSG00000250361.10	0	0	0	0	0
## ENSG00000286055.1	0	0	0	0	0
## ENSG00000170180.22	0	0	0	0	1
## ENSG00000285783.1	0	0	3	0	0
## ENSG00000285713.1	0	2	5	7	5
## ENSG00000261129.1	0	0	0	0	0
## ENSG00000250504.2	0	1	0	2	2
## ENSG00000248890.4	5	8	9	7	16
## ENSG00000164161.10	17	28	24	29	21
## ENSG00000289314.1	0	0	0	1	0
## ENSG00000273621.1	0	0	0	0	0
## ENSG00000164162.14	490	680	517	539	539
## ENSG00000249193.1	5	14	5	15	12
## ENSG00000250406.2	1	0	0	1	1
## ENSG00000251452.2	0	0	0	0	0
## ENSG00000222594.1	0	0	0	0	0
## ENSG00000164163.11	12689	15681	14053	14472	12698
## ENSG00000164164.17	5909	7833	7704	7433	5988
## ENSG00000238713.1	0	0	0	0	0
## ENSG00000240992.1	0	0	0	0	0
## ENSG00000272727.2	5	15	2	6	5
## ENSG00000251333.3	19	15	16	20	29
## ENSG00000278943.1	3	3	7	7	9
## ENSG00000286420.1	0	0	0	0	1
## ENSG00000248745.2	0	0	0	0	0
## ENSG00000170365.10	1834	2446	2205	2156	2159
## ENSG00000250582.1	0	0	0	1	0
## ENSG00000250902.1	0	0	0	0	3
## ENSG00000151611.17	419	637	550	608	483
## ENSG00000249245.2	5	5	5	6	4
## ENSG00000248356.1	0	1	0	4	0
## ENSG00000237136.8	1	1	1	0	1
## ENSG00000151612.18	1388	1402	1751	1640	1430
## ENSG00000279481.1	0	2	1	1	0
## ENSG00000251687.1	0	0	0	0	0
## ENSG00000201314.1	0	0	0	0	0
## ENSG00000260303.1	0	0	0	0	0
## ENSG00000248809.6	0	0	0	0	2
## ENSG00000164167.12	1465	1900	1777	1777	1868
## ENSG00000279845.1	2	2	2	0	3
## ENSG00000250673.3	0	1	5	1	3
## ENSG00000251010.1	0	0	0	0	0
## ENSG00000120519.16	1094	899	1141	842	919
## ENSG00000278438.1	0	0	0	0	0
## ENSG00000288998.2	4	6	2	5	4
## ENSG00000207182.1	0	0	0	0	0
## ENSG00000151615.3	12	6	20	7	19
## ENSG00000137473.19	68	69	90	63	63
## ENSG00000248764.1	0	0	0	0	0
## ENSG00000248346.1	0	0	0	1	0
## ENSG00000260090.1	0	0	0	0	0

## ENSG00000279376.1	0	0	1	0	0
## ENSG00000286371.1	0	0	0	0	0
## ENSG00000221369.1	0	0	0	0	0
## ENSG00000241281.1	0	0	0	0	0
## ENSG00000249004.1	0	1	1	0	0
## ENSG00000151617.17	2251	2041	2593	2198	2314
## ENSG00000280219.1	159	200	200	195	198
## ENSG00000251254.1	2	2	3	3	0
## ENSG00000251688.2	0	0	0	0	0
## ENSG00000251298.1	1	2	2	1	3
## ENSG00000164168.8	4673	5989	5238	5792	5145
## ENSG00000164169.13	1003	1104	1119	1214	1057
## ENSG00000071205.12	2410	2715	2572	2854	2653
## ENSG00000252951.1	0	0	0	0	0
## ENSG00000264274.1	0	0	0	0	0
## ENSG00000240014.3	0	0	0	0	0
## ENSG00000270387.1	0	0	0	0	0
## ENSG00000151623.15	1158	1654	1234	1732	1263
## ENSG00000250354.1	0	0	1	0	0
## ENSG00000287292.1	7	9	6	4	10
## ENSG00000251418.2	0	0	0	0	0
## ENSG00000201846.1	0	0	0	0	0
## ENSG00000250357.1	0	0	0	0	1
## ENSG00000225176.2	0	1	0	0	0
## ENSG00000279016.1	0	0	0	0	0
## ENSG00000249317.2	0	0	0	0	0
## ENSG00000239168.1	0	0	0	0	0
## ENSG00000249752.1	1	4	2	2	1
## ENSG00000250252.2	0	0	0	0	0
## ENSG00000248210.2	0	1	0	0	0
## ENSG00000234828.9	0	0	0	2	0
## ENSG00000287565.1	0	0	0	0	0
## ENSG00000250905.1	1	0	0	0	0
## ENSG00000251482.1	0	0	1	1	1
## ENSG00000202331.1	0	0	0	0	0
## ENSG00000207121.1	0	0	0	0	0
## ENSG00000250704.1	0	0	0	0	0
## ENSG00000286711.1	0	0	0	0	0
## ENSG00000170390.16	200	161	203	180	234
## ENSG00000238721.1	0	0	0	0	0
## ENSG00000198589.15	12803	18114	15612	17611	12616
## ENSG00000248521.1	1	0	0	0	0
## ENSG00000249690.1	0	0	0	1	0
## ENSG00000181541.6	0	26	10	40	23
## ENSG00000183432.6	0	0	0	0	0
## ENSG00000252451.1	0	0	0	0	0
## ENSG00000235606.3	0	0	1	0	0
## ENSG00000145425.10	122130	159704	125286	152849	173891
## ENSG00000201264.1	1	0	3	0	2
## ENSG00000109686.20	5874	8081	7076	7376	6316
## ENSG00000208797.1	0	0	0	0	0
## ENSG00000270681.1	82	95	77	69	82
## ENSG00000249012.2	4	0	2	6	2
## ENSG00000189099.12	0	0	0	0	1

## ENSG00000250350.1	3	0	0	0	0
## ENSG00000252544.1	0	0	0	0	0
## ENSG00000270265.1	8	6	10	6	5
## ENSG00000251611.1	10	5	20	11	8
## ENSG00000164142.16	1222	1745	1712	1969	1387
## ENSG00000253019.1	0	0	0	0	0
## ENSG00000059691.12	2110	2554	2211	2489	2535
## ENSG00000251455.1	4	3	8	10	4
## ENSG00000249184.2	0	1	3	2	1
## ENSG00000286761.1	0	0	0	0	0
## ENSG00000249708.1	0	0	0	0	0
## ENSG00000249818.2	0	0	0	0	0
## ENSG00000248991.2	0	0	1	0	0
## ENSG00000286066.1	0	0	0	0	0
## ENSG00000251249.2	5	0	3	2	0
## ENSG00000253077.1	0	0	0	0	0
## ENSG00000286720.1	0	2	0	1	0
## ENSG00000245954.10	1	0	0	0	0
## ENSG00000287504.1	0	4	1	1	0
## ENSG00000250706.1	1	0	1	0	0
## ENSG00000251377.2	0	0	0	0	0
## ENSG00000244544.2	0	0	1	0	0
## ENSG00000270302.1	0	1	0	0	0
## ENSG00000270883.1	2	0	1	0	1
## ENSG00000109670.17	2338	2834	2816	2761	2581
## ENSG00000270751.1	0	1	0	0	0
## ENSG00000287555.1	2	0	1	1	1
## ENSG00000264678.1	0	0	0	0	0
## ENSG00000268471.6	127	131	109	142	150
## ENSG00000283792.1	0	0	0	0	0
## ENSG00000243417.1	0	2	0	0	2
## ENSG00000240669.1	2	7	4	6	5
## ENSG00000170006.13	33	71	44	72	34
## ENSG00000248571.1	0	0	0	0	0
## ENSG00000169989.3	65	102	97	85	84
## ENSG00000164144.16	3554	4971	4047	4319	3861
## ENSG00000250980.1	0	0	0	0	1
## ENSG00000231841.1	15	7	12	14	9
## ENSG00000287642.3	50	55	46	57	62
## ENSG00000137460.10	445	583	546	688	513
## ENSG00000249022.2	0	0	0	0	0
## ENSG00000109654.16	2510	3205	3101	3027	2550
## ENSG00000288637.1	3	2	0	3	1
## ENSG00000252030.1	0	0	0	0	0
## ENSG00000201786.1	0	0	0	0	0
## ENSG00000213406.3	10	23	22	34	29
## ENSG00000121211.8	9	2	7	7	4
## ENSG00000243883.3	0	0	0	0	0
## ENSG00000121210.16	2974	3142	3638	3062	3482
## ENSG00000287216.1	1	2	0	1	0
## ENSG00000290441.1	0	2	0	0	0
## ENSG00000248208.1	1	1	0	1	0
## ENSG00000250771.3	0	0	0	0	0
## ENSG00000137462.9	148	163	171	140	163

## ENSG00000145428.15	22	7	31	13	35
## ENSG00000249309.1	0	0	0	0	0
## ENSG00000145423.5	18	30	24	82	51
## ENSG00000280241.4	2	1	2	0	0
## ENSG00000197410.14	82	26	75	59	75
## ENSG00000278981.1	0	0	0	0	0
## ENSG00000280005.1	0	0	0	0	0
## ENSG00000249200.1	0	0	0	0	0
## ENSG00000250609.1	0	0	0	0	0
## ENSG00000171566.12	10447	11030	11071	10575	10771
## ENSG00000200350.1	0	3	1	3	1
## ENSG00000248611.1	0	0	0	0	0
## ENSG00000171564.12	247159	416924	315856	479555	368704
## ENSG00000171560.18	38391	57145	62571	61541	40527
## ENSG00000171557.17	62877	99943	92135	124288	75776
## ENSG00000287770.1	17	22	22	46	8
## ENSG00000121207.12	7686	4847	8362	4209	6206
## ENSG00000249074.1	0	0	0	0	0
## ENSG00000249041.1	6	4	6	0	4
## ENSG00000249692.1	0	0	0	0	0
## ENSG00000151962.8	14	28	41	33	18
## ENSG00000222582.1	0	0	0	0	0
## ENSG00000252604.1	0	0	0	0	0
## ENSG00000250910.8	3	2	10	7	3
## ENSG00000250538.6	0	2	0	2	1
## ENSG00000185149.6	3	6	6	2	4
## ENSG00000249924.2	0	0	0	0	0
## ENSG00000164114.19	4699	6520	5462	5636	4837
## ENSG00000250205.1	0	0	0	0	0
## ENSG00000250398.1	0	0	0	0	0
## ENSG00000271606.1	0	0	0	0	0
## ENSG00000287730.1	0	0	0	0	0
## ENSG00000249247.1	0	0	0	0	0
## ENSG00000249770.1	0	0	0	0	0
## ENSG00000248748.1	0	0	0	0	0
## ENSG00000248548.1	0	0	0	0	0
## ENSG00000249127.1	0	0	0	0	0
## ENSG00000249698.1	0	0	0	0	0
## ENSG00000248420.1	0	0	0	0	0
## ENSG00000249386.1	0	0	0	0	0
## ENSG00000251223.1	0	0	0	0	0
## ENSG00000248907.1	0	0	0	0	0
## ENSG00000251407.1	0	0	0	0	0
## ENSG00000251244.3	0	1	1	2	1
## ENSG00000164116.17	404	705	541	671	575
## ENSG00000260244.1	0	0	0	0	0
## ENSG00000061918.14	348	479	427	588	466
## ENSG00000256394.3	0	0	0	0	0
## ENSG00000151790.9	401	396	493	562	457
## ENSG00000256043.5	532	764	699	792	653
## ENSG00000289320.1	0	0	0	0	0
## ENSG00000249013.1	0	1	0	0	0
## ENSG00000251511.1	0	0	0	0	1
## ENSG00000251283.1	0	0	0	0	0

## ENSG00000249479.1	0	0	0	0	0
## ENSG00000248912.1	0	0	0	0	0
## ENSG00000145431.11	2588	4066	3156	3849	3586
## ENSG00000248629.1	0	0	0	0	0
## ENSG00000280284.1	0	0	0	0	0
## ENSG00000278880.1	0	0	0	0	0
## ENSG00000250622.1	0	0	0	0	0
## ENSG00000252350.1	0	0	0	0	0
## ENSG00000252524.1	0	0	0	0	0
## ENSG00000109738.11	201	314	291	272	318
## ENSG00000199859.1	0	0	0	0	0
## ENSG00000120251.22	36	27	49	29	26
## ENSG00000249819.1	0	0	0	0	0
## ENSG00000286133.2	0	1	0	0	0
## ENSG00000234111.6	0	0	0	0	0
## ENSG00000249275.1	0	0	0	0	0
## ENSG00000200521.1	0	0	0	0	0
## ENSG00000249627.1	0	0	0	0	0
## ENSG00000279703.1	0	0	0	0	0
## ENSG00000286862.1	0	0	0	0	0
## ENSG00000287226.1	0	4	7	9	4
## ENSG00000279994.1	0	1	1	0	1
## ENSG00000250475.1	0	1	2	0	0
## ENSG00000279139.1	0	1	0	0	0
## ENSG00000280140.1	4	4	5	11	2
## ENSG00000164125.16	10115	17814	12612	14898	11531
## ENSG00000248429.5	124	320	160	311	170
## ENSG00000287822.1	0	1	1	2	0
## ENSG00000251073.1	0	1	0	0	0
## ENSG00000250604.2	0	0	1	1	0
## ENSG00000164124.11	1651	2734	2011	2558	1873
## ENSG00000286558.1	3	3	4	1	0
## ENSG00000293013.1	1	3	0	7	1
## ENSG00000251429.2	2	1	0	0	0
## ENSG00000171509.16	0	1	1	1	1
## ENSG00000199634.1	0	0	0	0	0
## ENSG00000248387.1	0	0	0	0	0
## ENSG00000249901.1	0	0	0	0	0
## ENSG00000205208.5	3267	3998	3945	3761	3635
## ENSG00000171503.13	716	888	843	896	841
## ENSG00000271817.2	0	0	0	0	0
## ENSG00000171497.5	4011	5382	5018	5098	4751
## ENSG00000052795.13	4294	6470	5131	5674	4390
## ENSG00000206703.1	0	0	0	0	0
## ENSG00000289999.1	0	0	0	0	0
## ENSG00000164123.7	8	10	8	7	6
## ENSG00000274535.1	0	0	0	0	0
## ENSG00000248988.1	5	9	6	6	7
## ENSG00000249367.1	0	0	0	0	0
## ENSG00000206978.1	0	0	0	0	0
## ENSG00000109756.10	4823	6092	5612	6059	4564
## ENSG00000264105.1	0	0	0	0	0
## ENSG00000283379.1	0	0	0	0	0
## ENSG00000248552.1	0	0	0	0	0

## ENSG00000250180.1	0	0	0	0	0
## ENSG00000250488.2	0	0	0	0	0
## ENSG00000250997.1	0	0	0	0	0
## ENSG00000249425.1	0	0	0	0	0
## ENSG00000242635.2	0	0	0	0	0
## ENSG00000249568.1	1	0	1	0	1
## ENSG00000168843.14	762	487	955	438	570
## ENSG00000249419.1	0	0	0	0	0
## ENSG00000251253.1	0	0	0	0	0
## ENSG00000248396.1	0	0	0	0	0
## ENSG00000248431.2	0	0	0	1	0
## ENSG00000287072.1	0	0	0	0	0
## ENSG00000251123.1	0	0	0	0	0
## ENSG00000283468.1	0	0	0	0	0
## ENSG00000250027.1	15	29	17	14	19
## ENSG00000145414.9	1797	2057	2084	1909	1920
## ENSG00000250547.1	0	0	0	0	0
## ENSG00000164128.7	630	899	800	765	706
## ENSG00000164129.12	20	18	30	7	32
## ENSG00000227283.1	0	0	0	0	0
## ENSG00000151005.5	0	1	0	1	0
## ENSG00000198498.10	2353	3148	2857	2679	2820
## ENSG00000145416.14	157	110	172	99	154
## ENSG00000273449.1	14	19	11	8	7
## ENSG00000253001.1	0	0	0	0	0
## ENSG00000177803.7	3	6	3	4	4
## ENSG00000250746.1	12	19	10	32	22
## ENSG00000248546.3	12	10	11	13	29
## ENSG00000251162.1	0	0	0	0	0
## ENSG00000223037.1	0	0	0	0	0
## ENSG00000248162.1	0	0	0	0	0
## ENSG00000248771.5	0	10	4	4	3
## ENSG00000201050.1	0	0	0	0	0
## ENSG00000248329.6	196	101	233	72	173
## ENSG00000250227.1	0	0	1	0	0
## ENSG00000244146.1	0	2	3	0	2
## ENSG00000285563.1	0	0	0	0	0
## ENSG00000221891.2	0	0	0	0	0
## ENSG00000270960.1	0	0	0	0	0
## ENSG00000248645.1	0	0	0	0	0
## ENSG00000121089.4	14	13	17	20	28
## ENSG00000236941.6	0	2	0	2	2
## ENSG00000183439.10	0	0	0	0	1
## ENSG00000250486.5	0	0	0	0	0
## ENSG00000248229.1	0	0	0	0	0
## ENSG00000250887.1	0	0	0	0	0
## ENSG00000250712.1	0	2	0	1	0
## ENSG00000240674.1	3	5	8	3	6
## ENSG00000176979.14	0	0	0	0	0
## ENSG00000276623.1	0	0	0	0	0
## ENSG00000250430.1	0	0	0	0	0
## ENSG00000249617.1	3	3	1	3	3
## ENSG00000250374.5	0	1	0	2	1
## ENSG00000170088.14	2294	3015	2586	2846	2451

## ENSG00000109466.14	1600	1837	2048	1964	1722
## ENSG00000200974.1	0	0	0	0	0
## ENSG00000229894.5	0	1	0	0	1
## ENSG00000052802.13	9905	15245	12190	14608	11620
## ENSG00000109472.14	18970	26759	22867	25635	24689
## ENSG00000207559.1	0	0	0	0	1
## ENSG00000251596.1	7	4	10	9	6
## ENSG00000248287.1	0	0	0	0	0
## ENSG00000248327.1	0	1	1	1	1
## ENSG00000287424.1	0	0	0	0	0
## ENSG00000250725.2	0	0	0	0	0
## ENSG00000249500.1	1	0	0	0	0
## ENSG00000038295.8	695	909	713	704	659
## ENSG00000252959.1	0	0	0	0	0
## ENSG00000206711.1	0	0	0	0	0
## ENSG00000249675.1	0	0	0	0	0
## ENSG00000196104.11	6724	4879	6943	4856	9610
## ENSG00000212373.1	0	0	0	0	0
## ENSG00000250150.1	0	0	0	0	0
## ENSG00000240772.3	0	0	0	0	0
## ENSG00000248913.1	0	0	0	0	0
## ENSG00000222721.1	0	0	0	0	0
## ENSG00000270336.1	0	0	0	0	0
## ENSG00000248601.1	0	0	0	0	0
## ENSG00000109511.12	176	91	133	109	202
## ENSG00000287188.1	1	0	0	1	1
## ENSG00000137628.18	184	168	235	218	132
## ENSG00000181381.15	288	285	370	269	190
## ENSG00000207171.1	0	0	0	0	0
## ENSG00000129116.20	12287	11552	15201	10142	12141
## ENSG00000229226.3	0	0	0	0	0
## ENSG00000249623.1	0	0	0	0	1
## ENSG00000206613.1	0	0	0	0	0
## ENSG00000214676.4	1	0	0	0	1
## ENSG00000249609.1	2	0	1	2	1
## ENSG00000279384.1	8	9	7	11	10
## ENSG00000145439.12	3608	4652	4261	4327	3833
## ENSG00000201176.1	1	0	7	0	0
## ENSG00000201818.1	0	2	3	2	0
## ENSG00000251445.1	2	0	0	0	1
## ENSG00000154447.15	4763	6584	5903	6722	5673
## ENSG00000214671.4	0	0	0	0	0
## ENSG00000251171.1	0	0	2	1	0
## ENSG00000289249.2	0	0	0	1	0
## ENSG00000137601.18	1101	1326	1239	1252	987
## ENSG00000286302.1	0	1	0	8	3
## ENSG00000109572.16	9118	14049	11246	13607	9584
## ENSG00000056050.7	2044	2229	2270	2172	2150
## ENSG00000229204.3	7	6	20	5	20
## ENSG00000248625.1	2	1	0	2	4
## ENSG00000287660.1	0	0	0	0	0
## ENSG00000288003.1	0	0	0	0	0
## ENSG00000248319.4	3	0	2	3	1
## ENSG00000287298.1	0	0	0	0	0

## ENSG00000289508.2	0	0	0	0	0
## ENSG00000251200.2	0	0	0	0	0
## ENSG00000249955.2	1	1	1	3	1
## ENSG00000198948.12	1801	3005	2395	2742	1671
## ENSG00000109576.14	974	1312	1198	1414	1150
## ENSG00000248822.1	0	1	0	1	0
## ENSG00000248739.1	0	0	0	0	0
## ENSG00000250266.3	173	123	218	136	145
## ENSG00000251061.2	1	0	0	2	0
## ENSG00000250082.1	0	0	0	0	0
## ENSG00000293021.1	0	0	0	0	0
## ENSG00000181359.6	0	3	6	2	3
## ENSG00000250968.1	1	1	0	1	0
## ENSG00000249943.1	0	0	0	0	0
## ENSG00000251961.1	0	0	0	0	0
## ENSG00000286580.1	0	0	1	0	0
## ENSG00000248872.2	0	0	0	0	0
## ENSG00000249525.1	0	0	0	0	0
## ENSG00000248755.1	0	0	0	0	0
## ENSG00000278502.1	0	0	0	0	0
## ENSG00000248339.1	0	0	0	0	0
## ENSG00000287210.1	0	0	0	0	0
## ENSG00000249297.2	0	0	0	0	0
## ENSG00000251176.1	0	0	0	0	0
## ENSG00000174473.17	146	138	146	144	173
## ENSG00000248637.1	0	0	0	0	0
## ENSG00000245213.7	56	68	54	76	59
## ENSG00000241652.3	0	1	0	0	0
## ENSG00000109586.12	11210	19274	13432	16126	12827
## ENSG00000221296.2	0	0	0	1	0
## ENSG00000290017.1	2	4	9	2	4
## ENSG00000248774.1	43	40	28	38	38
## ENSG00000164104.12	12297	13787	15490	15209	15489
## ENSG00000288728.2	9	19	18	21	15
## ENSG00000272870.4	39	44	40	43	44
## ENSG00000164105.4	873	1049	1101	1179	1247
## ENSG00000164106.8	1	9	1	17	6
## ENSG00000288025.1	2	4	1	2	0
## ENSG00000242882.1	6	3	7	6	9
## ENSG00000286226.1	1	0	0	0	0
## ENSG00000252898.1	0	0	0	0	0
## ENSG00000261646.1	0	1	1	2	3
## ENSG00000286039.3	21	23	17	30	27
## ENSG00000288776.1	0	1	0	3	4
## ENSG00000164107.9	7	57	30	126	67
## ENSG00000237125.13	2	23	21	46	24
## ENSG00000234801.3	26	32	37	44	43
## ENSG00000213370.3	11	21	14	27	31
## ENSG00000250708.3	1	0	0	0	0
## ENSG00000250043.1	0	0	0	0	0
## ENSG00000251216.2	0	1	0	0	0
## ENSG00000248174.8	2	5	3	4	4
## ENSG00000250957.1	0	1	0	2	0
## ENSG00000251213.1	0	0	0	0	0

## ENSG00000289179.1	3	3	1	5	2
## ENSG00000289210.1	6	12	15	10	19
## ENSG00000164117.14	750	747	855	868	694
## ENSG00000164118.13	824	1028	1088	1017	898
## ENSG00000249875.1	2	0	0	0	0
## ENSG00000265846.1	0	0	0	0	0
## ENSG00000164120.14	894	1585	961	1333	932
## ENSG00000251584.2	1	1	3	3	2
## ENSG00000293043.1	3	6	1	0	0
## ENSG00000250596.3	0	0	0	0	0
## ENSG00000145451.13	15	14	19	9	13
## ENSG00000168594.15	0	1	2	0	2
## ENSG00000250200.1	0	0	0	0	0
## ENSG00000250431.1	0	0	0	0	0
## ENSG00000249411.1	0	0	0	0	0
## ENSG00000286494.1	0	0	0	0	0
## ENSG00000249284.1	0	0	0	0	0
## ENSG00000248551.1	0	0	2	0	0
## ENSG00000249945.2	0	0	0	0	0
## ENSG00000251174.1	0	1	0	0	0
## ENSG00000248574.1	0	0	0	0	0
## ENSG00000289392.1	0	0	0	0	0
## ENSG00000150625.17	616	357	662	351	736
## ENSG00000249106.1	0	0	0	0	0
## ENSG00000248249.1	1	0	0	1	0
## ENSG00000250372.1	0	0	0	0	0
## ENSG00000150627.16	126	121	128	91	92
## ENSG00000201516.1	0	0	0	0	0
## ENSG00000150628.7	16	8	15	15	12
## ENSG00000164122.9	20	12	12	19	10
## ENSG00000248980.1	0	0	0	0	0
## ENSG00000289149.1	29	35	17	21	22
## ENSG00000129128.13	10633	15208	13129	12822	11330
## ENSG00000289520.1	73	125	93	110	101
## ENSG00000248480.1	0	0	0	0	0
## ENSG00000248388.5	0	7	2	8	9
## ENSG00000150630.4	53	60	63	81	75
## ENSG00000287544.1	0	2	0	0	1
## ENSG00000249458.1	0	0	0	0	0
## ENSG00000250263.2	0	0	0	0	0
## ENSG00000222859.1	0	0	0	0	0
## ENSG00000249008.1	0	0	0	0	0
## ENSG00000109674.4	671	637	813	694	672
## ENSG00000249084.1	2	4	2	1	3
## ENSG00000038002.9	1135	1519	1349	1562	1316
## ENSG00000250131.2	223	175	295	174	167
## ENSG00000201931.1	0	0	2	0	0
## ENSG00000251416.1	0	1	1	0	0
## ENSG00000231171.4	3	0	1	1	2
## ENSG00000251504.1	3	2	5	2	2
## ENSG00000253000.1	0	0	0	0	0
## ENSG00000241877.1	0	0	0	0	2
## ENSG00000201727.1	0	0	0	0	0
## ENSG00000212191.1	0	0	0	0	0

## ENSG00000250839.1	0	0	0	0	0
## ENSG00000250993.1	0	0	0	0	0
## ENSG00000248921.1	0	0	0	0	0
## ENSG00000287083.1	8	5	6	4	14
## ENSG00000287775.1	0	0	0	0	0
## ENSG00000289951.1	0	0	0	0	0
## ENSG00000251025.1	0	0	2	0	1
## ENSG00000249883.1	0	0	0	0	0
## ENSG00000248197.1	0	0	0	0	0
## ENSG00000248770.1	0	0	0	2	0
## ENSG00000249460.2	0	0	0	0	0
## ENSG00000225356.3	12	17	8	18	18
## ENSG00000286860.1	0	0	0	0	0
## ENSG00000287948.1	0	0	0	0	0
## ENSG00000251336.1	0	0	0	0	0
## ENSG00000251742.1	0	0	0	0	0
## ENSG00000177822.10	230	278	218	309	237
## ENSG00000251433.1	0	0	0	0	0
## ENSG00000218336.9	7635	11335	9186	11061	8439
## ENSG00000248266.1	0	0	0	1	1
## ENSG00000290012.1	2	0	0	1	1
## ENSG00000221227.1	0	0	0	1	0
## ENSG00000252343.1	0	0	0	0	0
## ENSG00000251714.1	1	0	0	0	0
## ENSG00000248816.1	0	1	0	0	0
## ENSG00000248694.1	0	1	0	0	0
## ENSG00000286119.1	0	0	0	0	0
## ENSG00000272646.1	3	2	2	1	7
## ENSG00000129187.15	5735	7721	6851	7819	7282
## ENSG00000286821.1	0	0	0	0	0
## ENSG00000250636.1	0	0	0	0	0
## ENSG00000293019.1	0	0	0	0	0
## ENSG00000230219.4	0	0	0	0	0
## ENSG00000273180.1	0	0	2	0	4
## ENSG00000272784.1	12	3	5	4	4
## ENSG00000251359.4	26	16	25	34	17
## ENSG00000151718.16	5497	6202	6890	6409	5259
## ENSG00000251128.1	0	1	0	0	0
## ENSG00000177300.7	0	0	0	0	0
## ENSG00000185758.9	3	0	0	0	0
## ENSG00000250292.1	5	3	10	4	4
## ENSG00000248376.2	0	0	0	0	0
## ENSG00000168564.6	1683	2479	2258	2474	2012
## ENSG00000213434.2	2	5	3	5	0
## ENSG00000232648.4	44	42	49	63	38
## ENSG00000168556.7	806	889	890	972	879
## ENSG00000272744.1	16	12	12	13	10
## ENSG00000182552.15	1493	1952	1714	1792	1668
## ENSG00000252157.1	1	0	0	0	0
## ENSG00000168538.16	3090	3768	3653	3931	3005
## ENSG00000201433.1	0	0	2	0	0
## ENSG00000251739.1	1	1	4	6	6
## ENSG00000287349.1	1	1	2	3	0
## ENSG00000283383.1	0	0	0	0	0

## ENSG00000173320.12	1187	1335	1486	1346	1280
## ENSG00000248206.2	5	10	12	11	3
## ENSG00000283355.1	7	5	5	1	8
## ENSG00000250726.1	0	0	0	0	0
## ENSG00000164303.11	1	1	0	1	1
## ENSG00000287433.1	2	3	3	5	0
## ENSG00000240159.1	0	0	0	0	0
## ENSG00000244512.3	0	0	0	0	0
## ENSG00000227765.4	1	2	6	3	5
## ENSG00000180712.5	5	13	14	23	9
## ENSG00000249096.7	0	4	1	2	0
## ENSG00000168310.12	1026	1495	1319	1680	1228
## ENSG00000251878.1	0	0	0	0	0
## ENSG00000270426.1	7	4	5	10	8
## ENSG00000271646.1	10	18	20	26	23
## ENSG00000286292.2	2	1	0	4	3
## ENSG00000271538.7	3	8	3	5	4
## ENSG00000249056.1	0	0	0	0	1
## ENSG00000254233.1	21	42	50	45	18
## ENSG00000164305.20	4024	5523	4819	5499	4465
## ENSG00000164306.11	472	554	497	524	514
## ENSG00000151725.12	2241	2503	2511	2286	2620
## ENSG00000151726.16	1860	1519	2036	1608	1746
## ENSG00000293200.1	0	0	2	0	0
## ENSG00000249138.2	0	0	0	0	0
## ENSG00000251139.2	0	0	0	0	0
## ENSG00000286256.2	0	0	0	0	0
## ENSG00000251230.7	0	0	0	0	0
## ENSG00000266698.1	0	0	0	0	0
## ENSG00000289139.1	0	0	0	0	0
## ENSG00000249173.8	0	0	0	0	0
## ENSG00000289197.2	0	0	0	0	0
## ENSG00000251147.1	0	0	0	0	0
## ENSG00000263458.1	0	0	0	0	0
## ENSG00000279460.1	0	0	0	0	0
## ENSG00000248517.1	0	0	0	0	0
## ENSG00000187821.9	0	0	0	0	0
## ENSG00000250754.6	0	1	0	0	0
## ENSG00000249520.1	0	0	0	0	0
## ENSG00000287183.1	0	0	0	1	0
## ENSG00000151729.11	2760	3497	2984	3712	3628
## ENSG00000164323.15	2743	4012	3513	3717	2966
## ENSG00000109762.17	1009	1706	1361	1958	1166
## ENSG00000109771.16	80	105	92	87	84
## ENSG00000250410.1	4	1	4	3	0
## ENSG00000186352.9	37	35	40	37	58
## ENSG00000109775.11	1874	2314	2036	2275	2188
## ENSG00000207231.1	0	0	1	0	0
## ENSG00000205129.9	25	21	26	38	25
## ENSG00000168491.10	21	21	26	14	20
## ENSG00000249679.3	4	5	12	2	6
## ENSG00000154553.17	447	623	586	640	536
## ENSG00000154556.20	4297	2015	4830	2140	2983
## ENSG00000233110.1	10	4	21	3	9

## ENSG00000235902.1	27	15	12	12	26
## ENSG00000207497.1	0	0	0	0	0
## ENSG00000285745.1	0	1	1	1	0
## ENSG00000235149.1	0	0	0	0	0
## ENSG00000222727.1	0	0	0	0	0
## ENSG00000164342.14	2	8	9	14	2
## ENSG00000109794.14	169	223	220	300	273
## ENSG00000253013.1	0	0	0	0	0
## ENSG00000250327.1	6	5	9	7	7
## ENSG00000251008.1	0	0	3	0	4
## ENSG00000279943.1	8	3	6	7	9
## ENSG00000145476.16	320	406	365	412	356
## ENSG00000290316.1	0	0	0	0	0
## ENSG00000164344.17	0	0	1	0	1
## ENSG00000088926.15	3	2	1	2	5
## ENSG00000251165.6	4	5	4	7	6
## ENSG00000287667.1	0	0	0	0	0
## ENSG00000213332.4	1	6	0	7	2
## ENSG00000272297.2	0	0	0	0	0
## ENSG00000212387.1	0	0	0	0	0
## ENSG00000168412.7	119	161	171	144	140
## ENSG00000083857.15	27947	38737	31259	37706	31169
## ENSG00000287169.1	0	0	1	0	0
## ENSG00000250829.2	3	23	1	14	15
## ENSG00000272218.1	0	6	0	1	3
## ENSG00000249539.1	0	0	0	0	0
## ENSG00000249742.2	0	0	0	0	0
## ENSG00000250971.3	1	0	0	1	0
## ENSG00000287571.1	0	0	0	0	0
## ENSG00000249747.1	1	0	0	0	0
## ENSG00000250658.1	140	181	168	179	152
## ENSG00000250042.1	2	5	4	2	5
## ENSG00000250620.2	2	0	0	0	0
## ENSG00000251643.1	0	0	0	0	0
## ENSG00000251490.1	0	0	0	0	0
## ENSG00000250590.6	0	0	0	0	0
## ENSG00000249642.2	0	0	0	0	0
## ENSG00000249162.1	0	0	0	0	0
## ENSG00000286641.1	0	0	0	0	0
## ENSG00000213331.4	7	2	6	3	6
## ENSG00000179059.10	4515	4830	5228	5191	3547
## ENSG00000179046.9	2	1	5	2	0
## ENSG00000241011.1	0	0	0	0	0
## ENSG00000201085.1	0	0	0	0	0
## ENSG00000184108.8	0	0	0	0	0
## ENSG00000247130.2	0	0	0	0	0
## ENSG00000248370.2	0	0	0	0	0
## ENSG00000242169.2	3	5	6	9	11
## ENSG00000248880.1	0	1	1	2	0
## ENSG00000249378.8	17	18	17	21	14
## ENSG00000289879.1	0	0	0	0	0
## ENSG00000250523.1	1	0	0	0	0
## ENSG00000275826.1	0	0	0	0	0
## ENSG00000252275.1	0	0	0	0	0

## ENSG00000180015.12	4	7	4	5	7
## ENSG00000278974.1	201	249	221	248	252
## ENSG00000249269.2	0	0	0	0	0
## ENSG00000251619.1	0	0	0	0	0
## ENSG00000250626.3	0	0	0	0	0
## ENSG00000250024.1	0	0	0	0	0
## ENSG00000251310.1	0	0	0	0	0
## ENSG00000249877.1	0	0	0	0	0
## ENSG00000205100.3	0	1	0	0	0
## ENSG00000293097.1	0	0	0	0	0
## ENSG00000250739.1	0	0	0	0	0
## ENSG00000272566.1	0	2	0	0	0
## ENSG00000202215.1	0	0	0	0	0
## ENSG00000245685.9	33	31	42	24	32
## ENSG00000250666.1	0	0	0	0	0
## ENSG00000109536.13	2742	3347	2936	3188	3042
## ENSG00000249462.1	0	0	0	0	0
## ENSG00000271307.3	0	0	0	2	0
## ENSG00000251297.1	0	1	1	6	1
## ENSG00000199572.1	2	1	0	2	0
## ENSG00000201145.1	0	0	0	0	0
## ENSG00000224807.5	0	1	1	0	1
## ENSG00000205097.7	0	0	2	0	0
## ENSG00000250053.1	0	0	1	0	0
## ENSG00000214273.4	5	5	5	0	4
## ENSG00000249003.1	0	0	0	0	1
## ENSG00000281591.1	0	0	0	0	0
## ENSG00000277162.1	0	0	0	0	0
## ENSG00000281720.1	0	0	0	0	0
## ENSG00000281652.1	0	0	0	0	0
## ENSG00000281058.1	0	0	0	0	0
## ENSG00000280799.1	0	0	0	0	0
## ENSG00000258834.4	0	0	0	0	0
## ENSG00000280757.1	0	0	0	0	0
## ENSG00000281627.1	0	0	0	0	0
## ENSG00000280457.1	0	0	0	0	0
## ENSG00000260596.5	0	0	0	0	0
## ENSG00000261914.2	0	0	0	0	0
## ENSG00000282994.1	0	0	0	0	0
## ENSG00000250020.1	0	0	0	0	0
## ENSG00000153404.15	2514	1869	2716	2195	2957
## ENSG00000199540.1	0	1	1	0	0
## ENSG00000185028.4	2	0	0	0	2
## ENSG00000261434.1	0	0	0	0	0
## ENSG00000164366.4	1885	2454	2304	2530	2458
## ENSG00000260774.1	21	38	29	49	43
## ENSG00000286001.1	39	80	63	57	59
## ENSG00000073578.18	1161	1362	1254	1402	1522
## ENSG00000248925.3	8	9	12	4	9
## ENSG00000249915.9	120	184	184	224	136
## ENSG00000288622.1	2	0	0	3	0
## ENSG00000250848.1	16	22	22	20	15
## ENSG00000063438.20	1	5	3	7	3
## ENSG00000214278.4	0	0	0	0	0

## ENSG00000250645.1	0	0	0	0	0
## ENSG00000221990.5	154	157	157	158	188
## ENSG00000180104.16	2267	2728	2528	2737	2922
## ENSG00000188242.4	0	0	0	4	0
## ENSG00000066230.12	68	89	91	100	83
## ENSG00000225138.8	289	362	320	393	271
## ENSG00000250385.2	0	0	0	1	0
## ENSG00000264233.1	0	0	0	0	0
## ENSG00000249650.1	0	2	2	1	0
## ENSG00000112877.8	595	579	627	622	644
## ENSG00000171368.12	432	382	470	457	522
## ENSG00000271781.1	54	32	37	37	58
## ENSG00000289088.1	14	12	15	9	20
## ENSG00000206077.14	221	293	312	391	254
## ENSG00000249908.2	0	0	0	0	0
## ENSG00000285522.1	0	0	0	0	0
## ENSG00000288930.1	165	170	201	164	308
## ENSG00000188818.13	176	259	256	320	197
## ENSG00000247872.2	0	0	0	0	1
## ENSG00000028310.18	2981	3171	3293	3487	3282
## ENSG00000071539.14	1685	1818	2045	1968	2035
## ENSG00000287600.1	3	3	5	6	4
## ENSG00000248949.1	0	0	0	0	0
## ENSG00000288763.1	0	0	0	0	0
## ENSG00000250173.1	0	0	0	0	0
## ENSG00000215246.6	7	17	16	21	13
## ENSG00000272347.1	3	2	5	7	0
## ENSG00000145506.14	324	302	371	300	475
## ENSG00000113504.21	6707	8727	7586	9046	8997
## ENSG00000263834.1	0	2	0	0	0
## ENSG00000249201.2	2	4	5	13	5
## ENSG00000174358.16	162	149	184	136	168
## ENSG00000164363.10	8	6	18	3	22
## ENSG00000287486.1	4	1	1	2	1
## ENSG00000164362.21	228	196	233	245	262
## ENSG00000263670.1	0	0	0	0	0
## ENSG00000049656.14	9139	10721	10015	10400	11800
## ENSG00000286388.1	510	618	583	568	606
## ENSG00000250584.4	3	0	2	5	2
## ENSG00000248951.2	0	0	0	0	0
## ENSG00000279908.1	1	4	0	0	3
## ENSG00000142319.18	11	13	13	14	23
## ENSG00000153395.10	12275	15081	13543	15041	15098
## ENSG00000273742.1	1	0	0	0	0
## ENSG00000251532.1	0	0	0	0	0
## ENSG00000291055.1	203	262	263	297	221
## ENSG00000185986.14	4	6	9	1	11
## ENSG00000271119.1	20	29	31	38	13
## ENSG00000248126.1	21	21	27	46	13
## ENSG00000188002.13	0	0	0	0	0
## ENSG00000291079.1	111	168	95	165	152
## ENSG00000232615.4	1	5	4	3	2
## ENSG00000288549.1	0	1	0	0	0
## ENSG00000263746.1	0	0	0	0	0

## ENSG00000260066.1	2	3	4	1	3
## ENSG00000171421.13	1469	1817	1618	1961	2152
## ENSG00000145494.12	3014	3953	3668	3630	4964
## ENSG00000249966.1	0	0	0	0	0
## ENSG00000250417.1	0	0	0	0	0
## ENSG00000279222.1	0	0	0	0	0
## ENSG00000113430.10	9	5	11	13	11
## ENSG00000249116.2	5	3	2	3	4
## ENSG00000249326.1	0	1	0	0	0
## ENSG00000288108.1	0	0	0	0	0
## ENSG00000248994.2	18	13	12	13	9
## ENSG00000248597.2	0	0	0	0	0
## ENSG00000249731.1	0	0	0	0	0
## ENSG00000201026.1	0	0	0	0	0
## ENSG00000275733.1	0	0	0	0	0
## ENSG00000281560.1	0	1	0	0	0
## ENSG00000259757.1	0	1	0	0	0
## ENSG00000170561.13	231	229	273	268	313
## ENSG00000186493.14	35	18	46	18	46
## ENSG00000289075.2	6	2	10	5	3
## ENSG00000249541.1	1	0	1	0	3
## ENSG00000248137.1	0	0	0	0	0
## ENSG00000248736.3	0	0	0	0	0
## ENSG00000249808.4	0	0	0	0	0
## ENSG00000248118.2	0	0	0	0	0
## ENSG00000249830.1	0	0	0	0	0
## ENSG00000250716.1	0	0	0	0	0
## ENSG00000170549.4	45	30	69	37	91
## ENSG00000259603.1	0	0	0	0	0
## ENSG00000288978.3	0	0	0	0	0
## ENSG00000248962.1	0	0	0	0	0
## ENSG00000249994.1	0	0	0	0	0
## ENSG00000250921.2	0	0	0	0	0
## ENSG00000260763.1	0	0	0	0	0
## ENSG00000248973.3	0	0	1	0	0
## ENSG00000231291.3	0	0	0	0	0
## ENSG00000251371.1	0	0	0	0	0
## ENSG00000249521.1	0	0	0	0	0
## ENSG00000248311.1	0	0	0	0	0
## ENSG00000249941.1	0	0	0	0	0
## ENSG00000251506.1	0	0	0	0	0
## ENSG00000250481.2	0	0	0	0	0
## ENSG00000215231.8	0	1	0	1	0
## ENSG00000251426.1	0	0	0	0	0
## ENSG00000250529.1	0	0	0	0	0
## ENSG00000223007.1	0	0	0	0	0
## ENSG00000250579.3	300	427	385	555	394
## ENSG00000145536.15	6233	8431	7035	8825	9390
## ENSG00000250866.1	0	0	0	0	0
## ENSG00000251568.1	0	0	0	0	0
## ENSG00000286753.3	33	36	24	50	36
## ENSG00000248729.1	0	0	2	1	0
## ENSG00000250808.1	1	0	1	0	0
## ENSG00000251476.2	0	1	0	0	1

## ENSG00000164151.12	7897	9967	9330	10045	8036
## ENSG00000286986.1	0	0	0	0	0
## ENSG00000261037.1	2	0	0	0	0
## ENSG00000259861.1	0	0	0	0	0
## ENSG00000278913.1	0	0	0	0	0
## ENSG00000250730.2	0	0	0	0	0
## ENSG00000250490.1	1	0	0	0	3
## ENSG00000133398.4	1161	1400	1342	1505	1382
## ENSG00000287031.1	2	1	2	1	0
## ENSG00000215218.4	1013	427	1129	505	908
## ENSG00000271230.1	0	0	0	0	0
## ENSG00000250056.8	263	144	306	142	276
## ENSG00000037474.15	6185	7240	7014	7664	6852
## ENSG00000145545.13	2352	2349	2748	2247	2368
## ENSG00000248677.2	1	1	1	3	0
## ENSG00000112941.14	1731	2067	2246	2265	1980
## ENSG00000251365.6	1	4	1	0	2
## ENSG00000272071.1	0	0	0	0	0
## ENSG00000283420.1	0	0	0	0	0
## ENSG00000250974.4	2	1	1	1	3
## ENSG00000200243.1	0	0	0	0	0
## ENSG00000250060.2	0	0	0	0	1
## ENSG00000212258.1	0	0	0	0	0
## ENSG00000287790.1	2	2	4	3	8
## ENSG00000286254.1	0	0	0	0	0
## ENSG00000237611.2	0	0	0	0	0
## ENSG00000285689.1	0	0	0	0	0
## ENSG00000248775.1	0	0	0	0	0
## ENSG00000290510.1	0	0	0	1	1
## ENSG00000251250.4	0	0	0	0	0
## ENSG00000205976.4	4	2	5	5	1
## ENSG00000251678.1	0	0	0	0	0
## ENSG00000250668.2	0	0	0	0	0
## ENSG00000249638.1	0	0	0	0	0
## ENSG00000249865.1	0	0	0	0	0
## ENSG00000223597.3	0	0	0	1	0
## ENSG00000078295.17	1886	1766	2044	1960	2398
## ENSG00000250761.2	0	0	0	0	0
## ENSG00000215217.7	170	160	164	153	191
## ENSG00000124275.15	1900	2242	2259	2392	2129
## ENSG00000124279.12	1028	1171	1042	1210	1131
## ENSG00000251168.1	0	0	0	0	0
## ENSG00000199773.1	0	0	0	0	0
## ENSG00000287947.1	0	0	0	0	0
## ENSG00000280338.1	0	0	0	0	0
## ENSG00000280251.1	0	0	0	0	0
## ENSG00000249486.1	0	0	0	0	0
## ENSG00000288002.1	0	0	0	1	0
## ENSG00000245729.2	0	0	0	0	0
## ENSG00000249159.6	0	0	0	0	0
## ENSG00000251549.2	0	0	0	0	0
## ENSG00000272049.1	0	0	0	0	0
## ENSG00000247516.8	2	4	2	7	6
## ENSG00000250037.1	0	0	0	0	0

## ENSG00000279075.1	0	0	0	0	0
## ENSG00000284000.1	0	0	0	0	0
## ENSG00000249782.2	0	0	0	0	0
## ENSG00000279097.1	0	0	0	0	0
## ENSG00000279264.1	0	0	0	0	0
## ENSG00000250389.1	0	0	0	0	0
## ENSG00000248765.1	0	0	0	0	0
## ENSG00000279002.1	0	0	0	0	0
## ENSG00000280373.1	0	0	0	0	0
## ENSG00000279125.1	0	0	0	0	0
## ENSG00000280438.1	0	0	0	0	0
## ENSG00000278877.1	0	0	0	0	0
## ENSG00000260981.1	0	0	0	0	0
## ENSG00000280185.1	0	0	0	0	0
## ENSG00000250198.5	0	0	1	0	1
## ENSG00000279635.1	0	0	0	0	0
## ENSG00000250619.1	0	0	0	0	0
## ENSG00000112902.12	354	515	467	625	473
## ENSG00000266415.1	0	0	0	0	0
## ENSG00000248537.1	0	0	0	0	0
## ENSG00000279698.1	0	0	0	0	0
## ENSG00000251370.1	0	0	0	0	0
## ENSG00000250001.1	0	0	0	0	0
## ENSG00000250786.4	100	105	114	87	117
## ENSG00000239112.1	0	1	0	1	0
## ENSG00000248525.2	0	0	0	0	0
## ENSG00000169777.7	0	0	2	3	2
## ENSG00000249781.7	2	2	2	0	0
## ENSG00000222054.1	0	0	0	0	0
## ENSG00000286556.1	0	0	0	0	0
## ENSG00000250814.3	0	0	0	0	0
## ENSG00000279011.1	2	0	0	0	0
## ENSG00000279755.1	0	0	0	0	0
## ENSG00000278874.1	0	0	0	0	0
## ENSG00000280016.1	1	2	2	3	1
## ENSG00000249807.1	0	0	0	0	0
## ENSG00000280449.1	0	0	0	0	0
## ENSG00000280368.1	0	0	0	0	0
## ENSG00000260515.1	0	0	0	0	0
## ENSG00000271998.1	0	0	0	0	0
## ENSG00000272417.1	3	4	4	6	4
## ENSG00000150756.14	1106	1367	1195	1246	1215
## ENSG00000248968.1	1	0	0	0	3
## ENSG00000150753.12	34119	37708	37879	36493	38948
## ENSG00000271980.1	5	1	1	1	3
## ENSG00000271715.1	0	0	1	1	3
## ENSG00000164237.9	5218	7669	6444	7697	7811
## ENSG00000252341.1	0	0	0	0	0
## ENSG00000259802.3	144	198	195	229	231
## ENSG00000252671.1	0	0	0	0	0
## ENSG00000280369.1	0	0	0	0	0
## ENSG00000145495.17	10076	12995	12531	12944	10535
## ENSG00000250600.2	0	3	0	1	4
## ENSG00000145491.12	34	45	38	31	49

## ENSG00000277073.1	0	0	0	0	0
## ENSG00000246016.2	0	3	2	0	3
## ENSG00000244361.1	0	0	2	2	0
## ENSG00000249166.1	0	0	0	0	0
## ENSG00000249396.2	5	7	12	11	5
## ENSG00000249160.4	0	0	0	1	1
## ENSG00000280017.1	1	0	0	1	0
## ENSG00000279450.1	0	0	0	0	0
## ENSG00000164236.12	11423	15574	13360	15038	12171
## ENSG00000250106.1	2	1	0	0	2
## ENSG00000251196.1	0	0	0	0	0
## ENSG00000251548.1	8	8	8	5	7
## ENSG00000279979.1	0	0	0	0	0
## ENSG00000278865.1	0	0	1	0	0
## ENSG00000112977.16	9244	12986	10747	12612	12796
## ENSG00000272324.5	0	1	0	0	0
## ENSG00000250576.1	5	22	8	20	12
## ENSG00000169862.21	10384	10606	12068	10857	11933
## ENSG00000207312.1	0	0	0	0	0
## ENSG00000212305.1	0	0	0	0	0
## ENSG00000248783.1	0	0	0	0	0
## ENSG00000248131.6	0	0	0	0	0
## ENSG00000288967.1	0	0	0	0	0
## ENSG00000251112.2	0	0	0	0	0
## ENSG00000249053.1	0	0	0	0	0
## ENSG00000248457.1	2	1	0	0	4
## ENSG00000248145.2	0	0	0	0	0
## ENSG00000242608.1	0	0	0	0	0
## ENSG00000248462.1	0	0	0	0	0
## ENSG00000243744.2	0	0	0	2	1
## ENSG00000039139.11	421	570	497	546	381
## ENSG00000251423.3	0	0	0	0	0
## ENSG00000038382.23	6545	7891	7870	8631	6197
## ENSG00000287581.1	1	0	0	0	0
## ENSG00000145569.6	1952	1828	2273	1614	1807
## ENSG00000248791.1	4	6	6	4	3
## ENSG00000250526.1	7	8	13	12	13
## ENSG00000250182.3	1002	1106	1078	1571	1921
## ENSG00000261360.3	7	7	7	7	8
## ENSG00000154124.6	2374	3197	2869	3203	2842
## ENSG00000154122.14	1247	2004	1505	2048	1583
## ENSG00000286970.1	8	8	6	9	7
## ENSG00000249485.1	50	37	51	50	59
## ENSG00000264792.1	0	0	0	0	0
## ENSG00000272057.1	0	0	0	1	0
## ENSG00000249928.2	0	0	0	0	0
## ENSG00000250662.1	0	0	0	0	0
## ENSG00000250247.1	0	0	0	0	0
## ENSG00000286441.1	0	0	0	0	0
## ENSG00000202269.1	0	0	0	0	0
## ENSG00000249332.2	0	0	0	0	0
## ENSG00000248834.2	0	0	0	0	0
## ENSG00000286377.1	0	0	0	0	0
## ENSG00000248699.1	0	0	0	0	0

## ENSG00000183580.10	930	957	1095	982	1138
## ENSG00000250250.2	0	0	0	0	0
## ENSG00000216077.3	0	1	0	0	1
## ENSG00000222312.1	0	0	0	0	0
## ENSG00000183654.9	40	34	48	39	49
## ENSG00000250981.3	0	0	0	0	0
## ENSG00000250448.1	1	1	1	0	1
## ENSG00000248403.1	0	0	0	0	0
## ENSG00000248150.1	0	0	3	1	1
## ENSG00000249737.1	0	0	0	0	0
## ENSG00000173545.5	3719	4487	3913	4351	4623
## ENSG00000289112.2	8	9	13	15	9
## ENSG00000154153.15	4869	6216	5381	5153	5011
## ENSG00000246214.3	8	19	19	13	3
## ENSG00000250415.1	1	2	2	2	2
## ENSG00000201370.1	0	0	1	0	0
## ENSG00000145555.15	11815	13382	13699	13214	12162
## ENSG00000253093.1	0	0	0	0	0
## ENSG00000243538.1	1	3	2	3	3
## ENSG00000201436.1	0	0	0	0	0
## ENSG00000176788.9	12984	14815	15410	15998	16704
## ENSG00000215196.5	3	9	19	10	14
## ENSG00000271892.1	0	0	0	0	0
## ENSG00000206814.1	0	0	0	0	0
## ENSG00000251990.1	0	0	0	0	0
## ENSG00000250816.1	0	0	1	0	0
## ENSG00000252908.1	0	0	0	0	0
## ENSG00000185296.8	0	1	1	0	2
## ENSG00000201715.1	0	0	0	0	0
## ENSG00000293060.1	7	1	6	6	6
## ENSG00000223361.6	0	0	0	0	0
## ENSG00000248223.1	0	0	0	0	0
## ENSG00000249199.2	5	10	8	7	4
## ENSG00000250822.1	2	0	0	1	0
## ENSG00000248455.8	0	0	0	1	0
## ENSG00000249662.7	0	0	0	0	0
## ENSG00000268799.4	0	0	1	1	0
## ENSG00000250667.1	0	0	0	0	0
## ENSG00000284373.1	0	0	0	0	0
## ENSG00000248205.1	0	0	0	0	0
## ENSG00000249620.1	1	7	0	4	1
## ENSG00000284439.1	0	0	0	0	0
## ENSG00000284283.1	0	0	0	0	0
## ENSG00000284234.1	0	0	0	0	0
## ENSG00000284042.1	0	0	0	0	0
## ENSG00000284465.1	0	0	0	0	0
## ENSG00000250088.1	0	0	0	0	0
## ENSG00000283967.1	0	0	0	0	0
## ENSG00000283988.1	0	0	0	0	0
## ENSG00000284356.1	0	0	0	0	0
## ENSG00000248422.1	0	0	0	0	0
## ENSG00000249282.1	0	0	0	0	0
## ENSG00000283740.2	3	8	12	6	6
## ENSG00000249156.2	0	2	6	3	7

## ENSG00000271296.1	0	0	0	0	0
## ENSG00000250351.1	0	0	0	0	0
## ENSG00000250386.1	6	7	5	8	10
## ENSG00000283776.1	0	1	3	3	0
## ENSG00000250782.1	0	3	0	0	0
## ENSG00000248471.2	0	0	0	0	0
## ENSG00000248160.1	0	0	0	0	0
## ENSG00000248542.2	0	0	1	0	0
## ENSG00000248337.1	0	0	0	0	0
## ENSG00000269466.4	6	11	6	9	12
## ENSG00000274832.1	0	0	0	0	0
## ENSG00000250715.1	0	0	0	0	0
## ENSG00000249937.9	0	0	0	0	0
## ENSG00000293053.1	0	0	0	0	0
## ENSG00000240785.3	1	0	0	3	1
## ENSG00000212278.1	0	0	0	0	0
## ENSG00000241552.3	0	0	0	0	0
## ENSG00000248693.1	0	0	0	0	0
## ENSG00000249191.1	0	0	0	0	0
## ENSG00000249927.1	0	0	0	0	0
## ENSG00000249285.1	0	0	0	0	0
## ENSG00000276764.1	0	0	0	0	0
## ENSG00000249174.1	0	2	0	0	0
## ENSG00000251487.1	0	0	0	0	0
## ENSG00000242654.1	0	0	0	0	0
## ENSG00000249557.2	0	0	0	0	0
## ENSG00000145526.12	59	29	59	37	45
## ENSG00000248766.2	0	0	0	0	0
## ENSG00000214132.4	1	1	3	2	3
## ENSG00000249854.3	0	0	0	0	0
## ENSG00000249490.2	0	0	0	0	0
## ENSG00000251629.7	0	0	1	0	0
## ENSG00000248308.1	0	0	0	0	0
## ENSG00000286751.1	0	1	2	0	1
## ENSG00000248286.1	0	0	0	0	0
## ENSG00000249359.3	2	0	0	2	1
## ENSG00000291102.1	272	320	325	365	326
## ENSG00000183666.20	0	0	0	0	0
## ENSG00000233974.3	1	2	1	1	0
## ENSG00000272130.1	0	1	1	0	0
## ENSG00000253766.1	5	1	2	3	0
## ENSG00000154162.15	4148	4539	4442	4409	5172
## ENSG00000213430.6	129	165	142	143	177
## ENSG00000253104.1	0	0	0	0	0
## ENSG00000290530.1	0	0	0	0	0
## ENSG00000168967.15	0	0	0	0	0
## ENSG00000287471.1	0	0	0	0	1
## ENSG00000249206.2	0	0	0	0	0
## ENSG00000286961.2	0	0	0	0	0
## ENSG00000249404.1	0	0	0	0	0
## ENSG00000250319.1	0	0	0	0	0
## ENSG00000206912.1	0	0	0	0	0
## ENSG00000250332.1	1	1	1	1	2
## ENSG00000249289.1	0	0	0	0	0

## ENSG00000164256.11	8	11	10	23	10
## ENSG00000248591.1	0	0	0	0	0
## ENSG00000249607.1	0	0	0	0	0
## ENSG00000248874.5	0	0	0	0	0
## ENSG00000252083.1	0	0	0	0	0
## ENSG00000234865.3	0	0	0	0	0
## ENSG00000200600.1	0	0	0	0	0
## ENSG00000286134.2	4	5	7	6	9
## ENSG00000226432.3	2	0	6	4	2
## ENSG00000250694.1	0	0	0	0	0
## ENSG00000277455.1	0	0	0	0	0
## ENSG00000287199.1	0	0	0	0	0
## ENSG00000040731.10	641	386	679	399	676
## ENSG00000251294.1	0	0	0	0	0
## ENSG00000249562.1	0	0	0	1	0
## ENSG00000286454.1	0	0	0	0	0
## ENSG00000250099.1	0	0	0	0	0
## ENSG00000286238.1	0	0	0	0	0
## ENSG00000248156.2	0	0	0	0	0
## ENSG00000223004.1	0	0	0	0	0
## ENSG00000248908.1	0	0	0	0	0
## ENSG00000250524.1	0	0	0	0	0
## ENSG00000199911.1	0	0	0	0	0
## ENSG00000251273.4	2	2	1	16	6
## ENSG00000245662.4	1	3	2	7	1
## ENSG00000285042.1	0	0	0	0	0
## ENSG00000251654.2	1	0	0	0	0
## ENSG00000260761.1	0	0	0	0	0
## ENSG00000279671.1	0	0	0	0	0
## ENSG00000248605.5	0	0	0	0	0
## ENSG00000279531.1	0	0	0	0	0
## ENSG00000201016.1	0	0	0	0	0
## ENSG00000279869.1	0	0	0	0	0
## ENSG00000251593.1	2	1	2	3	2
## ENSG00000286625.1	0	0	0	0	0
## ENSG00000222560.1	0	0	0	0	0
## ENSG00000249099.1	0	0	0	0	0
## ENSG00000286204.1	0	0	0	0	0
## ENSG00000230571.2	0	0	0	0	0
## ENSG00000248426.1	0	0	0	0	0
## ENSG00000250703.1	0	0	1	0	0
## ENSG00000251033.1	0	0	0	0	0
## ENSG00000249616.1	0	0	0	0	0
## ENSG00000113100.10	2	1	3	3	0
## ENSG00000207261.1	0	0	0	0	0
## ENSG00000250337.10	2260	4359	3209	4162	2838
## ENSG00000248490.2	0	0	0	0	0
## ENSG00000250079.1	0	0	0	0	0
## ENSG00000249785.3	0	0	0	0	0
## ENSG00000250453.2	0	0	0	0	0
## ENSG00000286432.1	0	0	0	0	0
## ENSG00000252867.1	0	0	0	0	0
## ENSG00000270495.1	0	0	0	0	0
## ENSG00000259786.7	0	0	0	0	0

## ENSG00000271035.1	0	0	0	0	0
## ENSG00000162685.6	0	0	0	0	0
## ENSG00000226400.2	0	0	0	0	0
## ENSG00000277878.1	0	1	0	0	1
## ENSG00000249226.1	0	0	0	0	0
## ENSG00000252601.1	0	0	0	0	0
## ENSG00000248687.2	0	0	0	0	0
## ENSG00000270430.1	0	0	0	0	0
## ENSG00000286182.1	0	0	0	0	0
## ENSG00000248391.6	0	0	0	0	0
## ENSG00000276098.1	0	0	0	0	0
## ENSG00000248418.2	0	0	0	0	0
## ENSG00000250984.1	0	0	0	0	0
## ENSG00000249744.1	0	0	0	0	0
## ENSG00000233787.3	0	0	0	0	0
## ENSG00000223136.1	0	0	0	0	0
## ENSG00000280305.1	0	0	0	0	0
## ENSG00000250587.2	0	0	0	0	0
## ENSG00000250118.1	0	0	0	0	0
## ENSG00000287176.1	32	36	37	41	33
## ENSG00000287940.1	0	0	0	0	0
## ENSG00000241668.2	2	3	1	5	6
## ENSG00000253940.1	0	0	0	0	0
## ENSG00000289601.1	2	0	0	2	0
## ENSG00000254138.1	0	0	0	0	0
## ENSG00000113361.13	42514	48958	46834	46254	49138
## ENSG00000250482.3	0	0	0	0	0
## ENSG00000113360.17	7473	8370	8581	8397	8010
## ENSG00000206682.1	0	0	0	0	0
## ENSG00000082213.18	4047	4821	4541	4701	4204
## ENSG00000279923.1	9	15	14	23	15
## ENSG00000199765.1	0	0	0	0	0
## ENSG00000133401.16	222	123	247	124	155
## ENSG00000248624.1	0	0	0	0	0
## ENSG00000248878.1	0	0	0	0	0
## ENSG00000249114.1	0	0	0	0	0
## ENSG00000248813.1	0	0	0	0	0
## ENSG00000248378.1	0	0	0	0	0
## ENSG00000250164.1	0	0	0	0	0
## ENSG00000249688.1	0	0	0	0	0
## ENSG00000252373.1	0	0	0	0	0
## ENSG00000224282.3	0	3	0	0	1
## ENSG00000251887.2	0	0	0	0	0
## ENSG00000241739.1	0	0	0	0	0
## ENSG00000243914.1	0	0	1	0	0
## ENSG00000214108.4	1	0	1	0	1
## ENSG00000249774.1	1	2	1	3	1
## ENSG00000266243.1	0	0	0	0	0
## ENSG00000250764.1	2	4	3	4	3
## ENSG00000113384.14	7369	10271	8751	10210	8911
## ENSG00000200065.1	0	0	0	0	0
## ENSG00000272086.2	51	67	67	80	81
## ENSG00000230829.3	0	0	0	0	0
## control_rep3					

## ENSG00000290825.1	0
## ENSG00000223972.6	0
## ENSG00000227232.6	220
## ENSG00000278267.1	2
## ENSG00000243485.5	2
## ENSG00000284332.1	0
## ENSG00000237613.2	0
## ENSG00000268020.3	0
## ENSG00000290826.1	0
## ENSG00000240361.3	0
## ENSG00000186092.7	0
## ENSG00000238009.7	1
## ENSG00000239945.1	0
## ENSG00000233750.3	10
## ENSG00000268903.1	73
## ENSG00000269981.1	48
## ENSG00000239906.1	0
## ENSG00000241860.7	23
## ENSG00000222623.1	0
## ENSG00000241599.1	0
## ENSG00000279928.2	0
## ENSG00000279457.4	119
## ENSG00000273874.1	0
## ENSG00000292994.1	34
## ENSG00000228463.11	0
## ENSG00000286448.1	0
## ENSG00000236679.2	0
## ENSG00000236601.2	0
## ENSG00000290385.1	41
## ENSG00000269732.1	0
## ENSG00000284733.2	0
## ENSG00000237094.13	0
## ENSG00000233653.3	0
## ENSG00000250575.1	0
## ENSG00000278757.1	0
## ENSG00000293331.1	18
## ENSG00000235146.2	0
## ENSG00000225972.1	1626
## ENSG00000225630.1	993
## ENSG00000237973.1	543
## ENSG00000278791.1	0
## ENSG00000229344.1	45
## ENSG00000240409.1	0
## ENSG00000248527.1	4660
## ENSG00000198744.5	67
## ENSG00000268663.1	0
## ENSG00000284662.2	0
## ENSG00000230021.11	0
## ENSG00000229376.3	3
## ENSG00000291215.1	126
## ENSG00000223181.1	0
## ENSG00000229905.1	0
## ENSG00000228327.6	0
## ENSG00000237491.10	25

## ENSG00000285268.1	0
## ENSG00000290784.1	3
## ENSG00000230092.8	0
## ENSG00000177757.2	5
## ENSG00000225880.6	42
## ENSG00000228794.12	2649
## ENSG00000288531.1	0
## ENSG00000230368.2	2
## ENSG00000234711.1	0
## ENSG00000283040.1	1
## ENSG00000272438.1	28
## ENSG00000230699.2	119
## ENSG00000241180.1	4
## ENSG00000223764.2	128
## ENSG00000187634.13	131
## ENSG00000188976.11	14225
## ENSG00000187961.15	383
## ENSG00000187583.11	141
## ENSG00000187642.10	0
## ENSG00000272512.1	23
## ENSG00000188290.11	554
## ENSG00000187608.10	848
## ENSG00000231702.2	2
## ENSG00000224969.1	12
## ENSG00000188157.15	68225
## ENSG00000242590.1	0
## ENSG00000291156.1	68
## ENSG00000273443.1	1
## ENSG00000217801.13	6
## ENSG00000237330.3	35
## ENSG00000131591.18	1128
## ENSG00000285812.1	12
## ENSG00000223823.1	0
## ENSG00000207730.3	0
## ENSG00000207607.3	2
## ENSG00000198976.1	0
## ENSG00000272141.1	10
## ENSG00000205231.1	14
## ENSG00000162571.14	23
## ENSG00000186891.14	5
## ENSG00000186827.12	6
## ENSG00000078808.20	12394
## ENSG00000176022.7	3234
## ENSG00000184163.3	28
## ENSG00000260179.1	8
## ENSG00000160087.21	4025
## ENSG00000230415.1	9
## ENSG00000162572.21	72
## ENSG00000131584.19	2939
## ENSG00000278073.1	0
## ENSG00000169972.13	1179
## ENSG00000127054.22	6024
## ENSG00000283712.1	0
## ENSG00000240731.1	30

## ENSG00000224051.7	1451
## ENSG00000169962.5	26
## ENSG00000107404.21	3874
## ENSG00000284372.1	0
## ENSG00000162576.17	2485
## ENSG00000175756.14	5064
## ENSG00000223663.2	0
## ENSG00000221978.13	3066
## ENSG00000224870.9	1597
## ENSG00000242485.6	5252
## ENSG00000264293.2	0
## ENSG00000272455.1	187
## ENSG00000235098.9	678
## ENSG00000225905.1	9
## ENSG00000205116.4	187
## ENSG00000225285.1	51
## ENSG00000179403.12	4995
## ENSG00000215915.10	94
## ENSG00000160072.20	2030
## ENSG00000290916.1	2
## ENSG00000284740.3	0
## ENSG00000197785.14	4053
## ENSG00000205090.10	132
## ENSG00000160075.12	9328
## ENSG00000215014.5	63
## ENSG00000274481.1	0
## ENSG00000228594.4	754
## ENSG00000286989.1	6
## ENSG00000272106.1	175
## ENSG00000197530.13	1625
## ENSG00000189409.14	2
## ENSG00000248333.9	3231
## ENSG00000272004.1	1
## ENSG00000189339.12	8639
## ENSG00000293187.1	67
## ENSG00000269737.3	30
## ENSG00000215914.4	2
## ENSG00000008128.23	212
## ENSG00000268575.1	178
## ENSG00000293188.1	230
## ENSG00000290854.1	202
## ENSG00000215790.9	0
## ENSG00000227775.4	0
## ENSG00000008130.15	5561
## ENSG00000078369.19	48640
## ENSG00000231050.3	16
## ENSG00000169885.10	6
## ENSG00000178821.13	234
## ENSG00000142609.20	40
## ENSG00000233542.2	0
## ENSG00000187730.9	0
## ENSG00000226969.1	2
## ENSG00000067606.17	3819
## ENSG00000271806.1	1

## ENSG00000182873.5	248
## ENSG00000162585.17	3055
## ENSG00000234396.3	0
## ENSG00000157933.11	6421
## ENSG00000287356.1	105
## ENSG00000116151.14	411
## ENSG00000272161.1	0
## ENSG00000292993.1	206
## ENSG00000269896.3	0
## ENSG00000272420.1	4
## ENSG00000157916.20	6275
## ENSG00000157911.11	1495
## ENSG00000149527.18	29
## ENSG00000224387.1	0
## ENSG00000229393.1	0
## ENSG00000157881.16	2017
## ENSG00000197921.6	1
## ENSG00000272449.3	37
## ENSG00000238164.6	4
## ENSG00000157873.18	44
## ENSG00000225931.3	7
## ENSG00000228037.1	6
## ENSG00000289610.2	1
## ENSG00000157870.17	3482
## ENSG00000142606.16	0
## ENSG00000237058.1	0
## ENSG00000215912.13	0
## ENSG00000285945.1	0
## ENSG00000283259.1	0
## ENSG00000233234.1	0
## ENSG00000287396.1	0
## ENSG00000231630.1	0
## ENSG00000284745.1	0
## ENSG00000169717.7	2
## ENSG00000177133.14	893
## ENSG00000142611.17	4228
## ENSG00000283572.1	0
## ENSG00000226286.1	2
## ENSG00000279839.1	1
## ENSG00000272235.1	18
## ENSG00000287828.1	20
## ENSG00000286518.1	8
## ENSG00000130762.15	2692
## ENSG00000272088.1	3
## ENSG00000162591.17	5885
## ENSG00000207776.1	0
## ENSG00000238260.3	7
## ENSG00000158109.15	7707
## ENSG00000116213.16	1530
## ENSG00000078900.16	112
## ENSG00000227589.1	2
## ENSG00000235131.1	0
## ENSG00000293478.1	1822
## ENSG00000276189.1	0

## ENSG00000227372.13	0
## ENSG00000162592.10	15
## ENSG00000235169.11	168
## ENSG00000130764.10	6074
## ENSG00000266075.2	5
## ENSG00000272153.1	26
## ENSG00000116198.14	3364
## ENSG00000169598.17	1070
## ENSG00000198912.12	2040
## ENSG00000236423.8	19
## ENSG00000233304.7	0
## ENSG00000226374.3	0
## ENSG00000284668.2	0
## ENSG00000284703.1	0
## ENSG00000229280.1	0
## ENSG00000235054.4	0
## ENSG00000284694.1	0
## ENSG00000227169.2	0
## ENSG00000232596.3	0
## ENSG00000196581.11	40
## ENSG00000287586.1	0
## ENSG00000284739.1	0
## ENSG00000284674.1	0
## ENSG00000231510.1	0
## ENSG00000284616.1	0
## ENSG00000284692.2	0
## ENSG00000284666.1	0
## ENSG00000260972.1	0
## ENSG00000283356.1	0
## ENSG00000236948.2	1
## ENSG00000264341.1	0
## ENSG00000289893.1	0
## ENSG00000264101.1	0
## ENSG00000131697.18	920
## ENSG00000069424.16	362
## ENSG00000116254.18	14
## ENSG00000285629.1	0
## ENSG00000116251.11	21588
## ENSG00000226944.1	26
## ENSG00000158286.13	301
## ENSG00000116237.16	16502
## ENSG00000225077.3	52
## ENSG00000173673.9	1
## ENSG00000158292.7	961
## ENSG00000097021.21	8531
## ENSG00000271746.1	1
## ENSG00000069812.11	512
## ENSG00000187017.18	916
## ENSG00000265392.1	0
## ENSG00000231868.1	0
## ENSG00000215788.11	268
## ENSG00000171680.23	2156
## ENSG00000162408.11	2026
## ENSG00000253022.1	0

## ENSG00000229519.2	1
## ENSG00000173662.21	6
## ENSG00000204859.13	1052
## ENSG00000162413.17	3810
## ENSG00000116273.6	3903
## ENSG00000041988.16	1246
## ENSG00000007923.17	5964
## ENSG00000228750.7	0
## ENSG00000284744.1	0
## ENSG00000237436.1	17
## ENSG00000171735.21	4284
## ENSG00000227950.1	0
## ENSG00000237365.1	0
## ENSG00000207056.1	0
## ENSG00000237402.1	0
## ENSG00000237728.2	0
## ENSG00000225126.1	0
## ENSG00000270171.1	6
## ENSG00000270035.1	5
## ENSG00000269978.1	9
## ENSG00000049245.13	12869
## ENSG00000269925.1	37
## ENSG00000049246.15	258
## ENSG00000236266.1	3
## ENSG00000049247.14	5
## ENSG00000049249.10	3000
## ENSG00000270330.1	1
## ENSG00000116288.13	19670
## ENSG00000200344.1	3
## ENSG00000284747.1	19
## ENSG00000284716.1	2
## ENSG00000116285.13	14361
## ENSG00000238290.1	4
## ENSG00000232848.1	0
## ENSG00000229305.1	0
## ENSG00000288816.1	0
## ENSG00000227634.3	1
## ENSG00000200975.1	0
## ENSG00000233645.1	0
## ENSG00000251977.1	0
## ENSG00000162426.16	93
## ENSG00000252254.1	0
## ENSG00000142599.20	9533
## ENSG00000232912.6	3
## ENSG00000221083.1	0
## ENSG00000270282.1	0
## ENSG00000234619.1	0
## ENSG00000224315.2	2
## ENSG00000222511.2	0
## ENSG00000226545.1	0
## ENSG00000228423.2	2
## ENSG00000229716.2	0
## ENSG00000074800.16	235261
## ENSG00000274258.1	2

## ENSG00000230679.1	3
## ENSG00000201725.1	0
## ENSG00000238249.2	5
## ENSG00000232208.2	0
## ENSG00000232663.2	0
## ENSG00000131686.15	0
## ENSG00000290109.1	0
## ENSG00000265141.2	0
## ENSG00000197241.4	3
## ENSG00000142583.18	15
## ENSG00000252404.1	0
## ENSG00000180758.12	503
## ENSG00000228526.8	260
## ENSG00000284357.1	0
## ENSG00000289914.1	1
## ENSG00000234546.5	113
## ENSG00000049239.13	6682
## ENSG00000171621.14	1033
## ENSG00000284652.1	7
## ENSG00000284693.2	29
## ENSG00000252956.1	0
## ENSG00000235263.1	0
## ENSG00000171612.7	2885
## ENSG00000231181.1	21
## ENSG00000188807.13	2720
## ENSG00000171608.18	1407
## ENSG00000179840.5	0
## ENSG00000233268.3	0
## ENSG00000231789.4	183
## ENSG00000171603.18	22996
## ENSG00000271264.1	1
## ENSG00000280113.2	0
## ENSG00000178585.15	11202
## ENSG00000223989.1	0
## ENSG00000285701.1	2
## ENSG00000162441.12	6290
## ENSG00000228150.1	22
## ENSG00000173614.14	1608
## ENSG00000202415.1	2
## ENSG00000283611.2	1
## ENSG00000265521.1	0
## ENSG00000241326.1	0
## ENSG00000162444.12	44
## ENSG00000130939.20	12429
## ENSG00000224340.1	0
## ENSG00000233623.2	0
## ENSG00000201746.1	1
## ENSG00000054523.20	14304
## ENSG00000264881.1	1
## ENSG00000199562.1	0
## ENSG00000264501.2	0
## ENSG00000284735.1	24
## ENSG00000284642.1	46
## ENSG00000142657.21	40807

## ENSG00000271989.1	0
## ENSG00000251503.8	28
## ENSG00000175279.22	184
## ENSG00000241563.4	8
## ENSG00000160049.12	10689
## ENSG00000203469.2	0
## ENSG00000142655.13	2357
## ENSG00000287727.1	2
## ENSG00000243267.3	3
## ENSG00000130940.15	1834
## ENSG00000272078.1	55
## ENSG00000225158.2	0
## ENSG00000175262.15	136
## ENSG00000215785.2	0
## ENSG00000120948.19	26064
## ENSG00000009724.18	125
## ENSG00000116649.10	10550
## ENSG00000171824.14	7578
## ENSG00000226849.1	0
## ENSG00000230337.3	8
## ENSG00000198793.14	10633
## ENSG00000225602.5	0
## ENSG00000253086.1	0
## ENSG00000171819.5	11
## ENSG00000207451.1	0
## ENSG00000238173.1	4
## ENSG00000120942.14	2779
## ENSG00000238199.1	1
## ENSG00000284646.1	0
## ENSG00000224338.2	0
## ENSG00000204624.8	226
## ENSG00000285833.1	0
## ENSG00000235643.2	1
## ENSG00000284708.1	4
## ENSG00000116661.11	1867
## ENSG00000132879.14	1679
## ENSG00000116670.16	5447
## ENSG00000116663.11	210
## ENSG00000162490.7	936
## ENSG00000177674.16	3337
## ENSG00000215910.8	2
## ENSG00000177553.6	0
## ENSG00000177000.13	1654
## ENSG00000011021.23	1338
## ENSG00000276470.1	0
## ENSG00000278852.1	0
## ENSG00000175206.11	8
## ENSG00000275915.1	0
## ENSG00000120937.9	3808
## ENSG00000224904.1	1
## ENSG00000285646.2	73
## ENSG00000199347.1	0
## ENSG00000201801.1	0
## ENSG00000116685.17	6424

## ENSG00000083444.17	18130
## ENSG000000287384.1	0
## ENSG000000116688.18	11923
## ENSG000000270914.1	0
## ENSG000000116691.11	2296
## ENSG000000202461.1	3
## ENSG000000276869.1	0
## ENSG000000243539.3	0
## ENSG000000120949.15	23
## ENSG000000201135.1	0
## ENSG000000227875.2	0
## ENSG000000285604.1	0
## ENSG000000283789.1	0
## ENSG000000028137.19	27
## ENSG000000263676.1	0
## ENSG000000225196.2	0
## ENSG000000252969.1	0
## ENSG000000048707.15	4346
## ENSG000000239149.1	2
## ENSG000000229484.3	0
## ENSG000000162496.9	3489
## ENSG000000221340.1	2
## ENSG000000276830.1	1
## ENSG000000288927.2	44
## ENSG000000272482.2	14
## ENSG000000204518.3	0
## ENSG000000226166.2	0
## ENSG000000188984.12	0
## ENSG000000157330.10	56
## ENSG000000116726.5	6
## ENSG000000116721.9	1
## ENSG000000228338.1	0
## ENSG000000239810.3	1
## ENSG000000231103.2	0
## ENSG000000179172.10	15
## ENSG000000120952.4	0
## ENSG000000243073.4	0
## ENSG000000187545.5	0
## ENSG000000204510.6	0
## ENSG000000207434.1	0
## ENSG000000234064.1	0
## ENSG000000232423.6	0
## ENSG000000274178.2	0
## ENSG000000274764.6	0
## ENSG000000277058.3	1
## ENSG000000229571.7	0
## ENSG000000277862.1	0
## ENSG000000236179.1	0
## ENSG000000275774.3	2
## ENSG000000229978.2	0
## ENSG000000290772.1	0
## ENSG000000233336.1	0
## ENSG000000280267.7	0
## ENSG000000179412.11	4

## ENSG00000204505.5	0
## ENSG00000279169.3	0
## ENSG00000279804.3	0
## ENSG00000250894.1	0
## ENSG00000270601.5	0
## ENSG00000231219.1	0
## ENSG00000207511.1	0
## ENSG00000182330.11	0
## ENSG00000237700.2	0
## ENSG00000204501.7	0
## ENSG00000228229.2	0
## ENSG00000204481.8	2
## ENSG00000204480.9	0
## ENSG00000204479.4	0
## ENSG00000204478.11	0
## ENSG00000162494.6	133
## ENSG00000259961.1	1
## ENSG00000215909.3	0
## ENSG00000162493.17	1633
## ENSG00000222952.1	0
## ENSG00000237445.2	0
## ENSG00000253085.1	0
## ENSG00000116731.23	4963
## ENSG00000289380.1	0
## ENSG00000189337.17	1205
## ENSG00000252151.1	0
## ENSG00000231606.2	0
## ENSG00000234593.3	0
## ENSG00000235829.1	0
## ENSG00000287756.1	0
## ENSG00000175147.13	86
## ENSG00000171729.14	1568
## ENSG00000204464.7	1
## ENSG00000215720.4	1
## ENSG00000278480.1	1
## ENSG00000142621.21	287
## ENSG00000233485.1	0
## ENSG00000236045.1	7
## ENSG00000228140.2	10
## ENSG00000142634.13	2139
## ENSG00000162438.12	0
## ENSG00000142615.8	1
## ENSG00000215704.10	5
## ENSG00000132906.18	1407
## ENSG00000116138.13	3322
## ENSG00000251866.1	0
## ENSG00000272510.1	0
## ENSG00000116771.6	1010
## ENSG00000237301.1	9
## ENSG00000235084.3	9
## ENSG00000252417.1	0
## ENSG00000236500.1	0
## ENSG00000197312.13	6623
## ENSG00000215695.2	0

## ENSG00000271742.1	1
## ENSG00000116786.13	6563
## ENSG00000237938.5	9
## ENSG00000162461.8	24
## ENSG00000224459.2	0
## ENSG00000162460.7	85
## ENSG00000162458.13	12388
## ENSG00000224321.1	39
## ENSG00000233954.7	1065
## ENSG00000178715.8	58
## ENSG00000179743.4	223
## ENSG00000065526.13	10549
## ENSG00000270620.1	0
## ENSG00000116809.12	2649
## ENSG00000234607.2	0
## ENSG00000231353.1	0
## ENSG00000275503.1	0
## ENSG00000224966.4	0
## ENSG00000183888.4	2
## ENSG00000233078.1	0
## ENSG00000173641.18	37
## ENSG00000186510.12	21
## ENSG00000232456.1	13
## ENSG00000184908.20	81
## ENSG00000185519.9	99
## ENSG00000142627.13	13499
## ENSG00000227959.2	14
## ENSG00000224621.1	16
## ENSG00000234166.1	0
## ENSG00000142632.17	2514
## ENSG00000291077.1	12
## ENSG00000237276.10	5
## ENSG00000288398.1	544
## ENSG00000132881.12	415
## ENSG00000233929.1	0
## ENSG00000037637.11	3493
## ENSG00000055070.17	14335
## ENSG00000226457.1	9
## ENSG00000187144.11	0
## ENSG00000157191.20	5459
## ENSG00000226029.1	27
## ENSG00000290842.1	61
## ENSG00000080947.16	2
## ENSG00000206652.1	0
## ENSG00000261135.1	0
## ENSG00000285853.1	0
## ENSG00000224174.2	0
## ENSG00000233421.5	60
## ENSG00000277344.1	0
## ENSG00000225710.1	0
## ENSG00000219481.11	1555
## ENSG00000271732.1	1
## ENSG00000291072.1	446
## ENSG00000215908.12	106

## ENSG00000283773.1	0
## ENSG00000186301.8	49
## ENSG00000282143.1	0
## ENSG00000207513.1	0
## ENSG00000280114.1	0
## ENSG00000236698.1	76
## ENSG00000290849.1	1
## ENSG00000268869.8	0
## ENSG00000279151.1	0
## ENSG00000293526.1	0
## ENSG00000282740.1	0
## ENSG00000058453.17	1061
## ENSG00000290850.1	0
## ENSG00000207389.1	0
## ENSG00000227684.3	0
## ENSG00000290851.1	34
## ENSG00000186715.12	0
## ENSG00000223643.6	1
## ENSG00000230239.1	0
## ENSG00000263811.1	0
## ENSG00000228549.5	224
## ENSG00000277234.1	0
## ENSG00000238142.4	35
## ENSG00000235241.1	0
## ENSG00000207005.1	0
## ENSG00000272426.1	4
## ENSG00000290122.1	0
## ENSG00000117122.14	6750
## ENSG00000286898.1	0
## ENSG00000226526.1	2
## ENSG00000159363.19	7709
## ENSG00000288636.1	0
## ENSG00000117118.11	4132
## ENSG00000117115.13	36
## ENSG00000204362.6	0
## ENSG00000282843.1	0
## ENSG00000142623.11	3
## ENSG00000142619.4	4
## ENSG00000266634.1	0
## ENSG00000159339.13	0
## ENSG00000276747.1	0
## ENSG00000227751.1	0
## ENSG00000179051.14	27035
## ENSG00000290096.1	6
## ENSG00000074964.17	2272
## ENSG00000236648.2	0
## ENSG00000117148.8	40
## ENSG00000284653.1	0
## ENSG00000261781.1	0
## ENSG00000117154.12	107
## ENSG00000280222.1	0
## ENSG00000230035.2	0
## ENSG00000225387.1	0
## ENSG00000179023.9	134

## ENSG00000235282.3	0
## ENSG00000225478.2	0
## ENSG00000009709.12	0
## ENSG00000179002.6	0
## ENSG00000159423.17	4168
## ENSG00000265606.1	0
## ENSG00000221662.1	0
## ENSG00000169991.11	4213
## ENSG00000272084.1	27
## ENSG00000127481.15	15012
## ENSG00000230424.3	25
## ENSG00000127463.16	14087
## ENSG00000053372.5	7039
## ENSG00000286064.1	63
## ENSG00000211454.16	14
## ENSG00000162482.5	35
## ENSG00000270728.1	128
## ENSG00000053371.13	4339
## ENSG00000200403.1	3
## ENSG00000040487.13	2507
## ENSG00000077549.19	27307
## ENSG00000240490.3	0
## ENSG00000173436.15	1801
## ENSG00000201609.1	0
## ENSG00000235185.1	0
## ENSG00000158747.15	1828
## ENSG00000270136.6	0
## ENSG00000226396.1	78
## ENSG00000158748.4	20
## ENSG00000162542.14	932
## ENSG00000178828.7	7
## ENSG00000235434.1	0
## ENSG00000169914.6	1955
## ENSG00000188784.4	0
## ENSG00000242688.3	0
## ENSG00000188257.12	17
## ENSG00000127472.11	0
## ENSG00000117215.15	0
## ENSG00000158786.5	0
## ENSG00000227066.2	0
## ENSG00000187980.7	10
## ENSG00000162543.6	961
## ENSG00000228105.2	0
## ENSG00000284710.1	0
## ENSG00000158816.16	28
## ENSG00000226664.1	0
## ENSG00000236963.9	0
## ENSG00000226487.1	0
## ENSG00000284641.1	0
## ENSG00000284743.1	2
## ENSG00000162545.6	4529
## ENSG00000289402.2	25
## ENSG00000090432.7	3546
## ENSG00000215520.3	1

## ENSG00000183114.8	34
## ENSG00000158825.6	3
## ENSG00000158828.8	967
## ENSG00000284005.1	0
## ENSG00000117242.7	860
## ENSG00000244038.11	41094
## ENSG00000117245.13	134
## ENSG00000235432.1	0
## ENSG00000189410.12	98
## ENSG00000233069.1	0
## ENSG00000127483.19	11468
## ENSG00000075151.24	14004
## ENSG00000251914.1	0
## ENSG00000221808.1	0
## ENSG00000233072.1	0
## ENSG00000236073.2	0
## ENSG00000235112.1	0
## ENSG00000287192.1	2
## ENSG00000117298.16	12847
## ENSG00000236936.1	1
## ENSG00000231105.2	3
## ENSG00000236216.5	0
## ENSG00000228823.1	0
## ENSG00000236009.1	0
## ENSG00000227001.3	50
## ENSG00000187952.9	26
## ENSG00000186543.7	0
## ENSG00000142794.19	744
## ENSG00000176378.8	0
## ENSG00000162551.14	1362
## ENSG00000289715.1	0
## ENSG00000233431.1	0
## ENSG00000076864.21	1639
## ENSG00000090686.16	5912
## ENSG00000231978.2	0
## ENSG00000187942.12	27
## ENSG00000142798.20	132743
## ENSG00000232037.3	1
## ENSG00000293453.1	1
## ENSG00000283234.2	0
## ENSG00000219073.8	37
## ENSG00000285959.1	5
## ENSG00000273610.1	0
## ENSG00000201919.1	0
## ENSG00000142789.20	29
## ENSG00000278124.1	0
## ENSG00000201273.1	0
## ENSG00000228397.3	4
## ENSG00000218510.9	77
## ENSG00000289694.1	1
## ENSG00000285752.1	22
## ENSG00000285794.1	0
## ENSG00000070831.18	322
## ENSG00000230068.2	0

## ENSG00000271428.1	2
## ENSG00000162552.15	391
## ENSG00000285873.1	16
## ENSG00000266564.1	0
## ENSG00000234397.3	1
## ENSG00000279625.1	0
## ENSG00000184677.18	4104
## ENSG00000237200.1	4
## ENSG00000070886.12	101
## ENSG00000276835.2	0
## ENSG00000173372.18	2
## ENSG00000289692.1	0
## ENSG00000159189.13	0
## ENSG00000173369.18	2
## ENSG00000133216.17	14381
## ENSG00000265422.1	0
## ENSG00000225952.1	0
## ENSG00000264014.1	0
## ENSG00000215906.9	0
## ENSG00000227868.7	0
## ENSG00000004487.18	42299
## ENSG00000240553.1	5
## ENSG00000263793.1	0
## ENSG00000266802.1	0
## ENSG00000169641.15	11840
## ENSG00000229010.1	0
## ENSG00000206935.1	0
## ENSG00000252578.1	0
## ENSG00000289014.1	0
## ENSG00000179546.5	157
## ENSG00000215381.3	1
## ENSG00000261326.5	87
## ENSG00000284726.1	22
## ENSG00000125944.22	27366
## ENSG00000125945.16	2059
## ENSG00000249087.9	199
## ENSG00000201405.1	0
## ENSG00000271420.1	5
## ENSG00000204219.11	793
## ENSG00000232482.2	0
## ENSG00000088280.21	8348
## ENSG00000007968.7	1224
## ENSG00000235052.1	7
## ENSG00000117318.9	8508
## ENSG00000285802.1	0
## ENSG00000197880.10	0
## ENSG00000229239.2	0
## ENSG00000142676.14	94033
## ENSG00000236810.8	84
## ENSG00000011007.13	6326
## ENSG00000057757.10	3791
## ENSG00000289835.1	3
## ENSG00000011009.11	15154
## ENSG00000117308.15	3809

## ENSG00000117305.15	2737
## ENSG00000179163.12	2881
## ENSG00000188822.8	2
## ENSG00000229106.1	4
## ENSG00000232557.3	0
## ENSG00000264926.1	0
## ENSG00000230228.2	1
## ENSG00000189266.13	17366
## ENSG00000188529.15	13620
## ENSG00000215905.4	1
## ENSG00000225315.2	2
## ENSG00000142661.19	13
## ENSG00000230703.1	0
## ENSG00000142677.4	43
## ENSG00000185436.12	1998
## ENSG00000158055.17	543
## ENSG00000230023.2	1
## ENSG00000232298.2	3
## ENSG00000001460.18	1244
## ENSG00000001461.17	2380
## ENSG00000288982.1	1
## ENSG00000286061.1	24
## ENSG00000117602.13	7034
## ENSG00000264443.1	1
## ENSG00000184454.7	185
## ENSG00000227312.2	0
## ENSG00000239106.1	0
## ENSG00000133226.19	13339
## ENSG00000284699.1	0
## ENSG00000169504.15	29182
## ENSG00000238482.1	0
## ENSG0000020633.19	2
## ENSG00000278034.1	0
## ENSG00000229162.1	0
## ENSG00000261025.1	0
## ENSG00000264371.1	0
## ENSG00000285823.1	0
## ENSG00000233755.1	0
## ENSG00000233419.3	0
## ENSG00000231953.2	0
## ENSG00000117614.10	3966
## ENSG00000284602.1	15
## ENSG00000284657.1	4
## ENSG00000117616.18	605
## ENSG00000272432.1	6
## ENSG00000261349.1	9
## ENSG00000187010.21	5
## ENSG00000224183.1	6
## ENSG00000259984.1	1
## ENSG00000183726.11	10954
## ENSG00000188672.19	22
## ENSG00000238084.4	8
## ENSG00000204178.11	5148
## ENSG00000157978.12	2237

## ENSG00000225643.1	5
## ENSG00000117643.16	779
## ENSG00000233478.1	3
## ENSG00000162430.18	26199
## ENSG00000255054.3	0
## ENSG00000228172.5	34
## ENSG00000117640.18	3440
## ENSG00000272478.1	0
## ENSG00000127423.11	973
## ENSG00000236528.3	2
## ENSG00000182749.6	1685
## ENSG00000207302.1	0
## ENSG00000117632.23	78816
## ENSG00000229786.1	0
## ENSG00000223624.1	0
## ENSG00000283938.1	0
## ENSG00000158006.14	1835
## ENSG00000207237.1	0
## ENSG00000252190.1	0
## ENSG00000252691.1	0
## ENSG00000158008.10	129
## ENSG00000158014.15	122
## ENSG00000284309.1	1
## ENSG00000158022.7	55
## ENSG00000175087.10	1408
## ENSG00000197245.6	14
## ENSG00000282872.2	37
## ENSG00000236782.8	25
## ENSG00000142684.9	0
## ENSG00000142675.18	1394
## ENSG00000188782.9	0
## ENSG00000236155.9	0
## ENSG00000293494.2	67
## ENSG00000278572.1	2
## ENSG00000130695.16	3642
## ENSG00000270733.1	4
## ENSG00000142669.15	8038
## ENSG00000158062.21	1295
## ENSG00000169442.9	11
## ENSG00000176092.17	3517
## ENSG00000225854.2	1
## ENSG00000176083.18	2
## ENSG00000131914.11	119989
## ENSG00000117682.18	3196
## ENSG00000223583.1	5
## ENSG00000225891.2	2
## ENSG00000198830.12	23084
## ENSG00000224129.1	0
## ENSG00000117676.14	6816
## ENSG00000238705.1	0
## ENSG00000243905.3	0
## ENSG00000252802.1	0
## ENSG00000252429.2	0
## ENSG00000289452.1	0

## ENSG00000229247.2	0
## ENSG00000238316.1	0
## ENSG00000235069.2	0
## ENSG00000260063.1	37
## ENSG00000290006.1	0
## ENSG00000117713.21	15948
## ENSG00000060642.12	1072
## ENSG00000241188.3	0
## ENSG00000287810.1	0
## ENSG00000204160.12	3593
## ENSG00000175793.12	131
## ENSG00000142751.15	2402
## ENSG00000226698.1	0
## ENSG00000289554.1	59
## ENSG00000198746.13	1589
## ENSG00000090273.14	18876
## ENSG00000131910.5	96
## ENSG00000175707.10	1476
## ENSG00000172746.6	1
## ENSG00000224064.1	0
## ENSG00000225294.1	2
## ENSG00000253368.4	4266
## ENSG00000158246.8	2132
## ENSG00000090020.11	3703
## ENSG00000229985.2	0
## ENSG00000214973.3	8
## ENSG00000225159.1	72
## ENSG00000225990.2	0
## ENSG00000224311.1	0
## ENSG00000142784.16	5914
## ENSG00000252098.1	0
## ENSG00000243659.1	2
## ENSG00000186501.15	2971
## ENSG00000206888.1	0
## ENSG00000241547.1	22
## ENSG00000142765.18	1110
## ENSG00000142733.18	445
## ENSG00000142748.14	1
## ENSG00000174950.11	6
## ENSG00000231207.1	0
## ENSG00000181773.7	250
## ENSG00000158195.11	16279
## ENSG00000241169.1	0
## ENSG00000237429.1	2
## ENSG00000126705.15	3736
## ENSG00000000938.13	0
## ENSG00000235912.1	22
## ENSG00000233975.2	0
## ENSG00000126709.16	172
## ENSG00000225886.3	1
## ENSG00000206767.1	0
## ENSG00000226662.2	0
## ENSG00000207095.1	0
## ENSG00000287244.1	2

## ENSG00000009780.16	1001
## ENSG00000231344.1	2
## ENSG00000230833.1	0
## ENSG00000117758.14	3983
## ENSG00000269971.1	5
## ENSG00000270031.1	1
## ENSG00000223062.1	0
## ENSG00000286433.1	1
## ENSG00000117751.18	7502
## ENSG00000252947.1	1
## ENSG00000130775.16	168
## ENSG00000117748.10	4505
## ENSG00000130768.15	1427
## ENSG00000227050.1	1
## ENSG00000158156.9	1753
## ENSG00000158161.16	6048
## ENSG00000238231.2	0
## ENSG00000240750.3	0
## ENSG00000228589.3	84
## ENSG00000228943.1	0
## ENSG00000289576.2	0
## ENSG00000214812.3	0
## ENSG00000253005.1	0
## ENSG00000169403.12	1171
## ENSG00000126698.11	15649
## ENSG00000290123.1	17
## ENSG00000130770.18	4906
## ENSG00000270605.1	48
## ENSG00000271398.1	4
## ENSG00000130766.5	7413
## ENSG00000130772.14	1768
## ENSG00000204138.13	7793
## ENSG00000206779.1	0
## ENSG00000229820.2	2
## ENSG00000221216.1	0
## ENSG00000180198.17	9805
## ENSG00000242125.3	3013
## ENSG00000274266.1	0
## ENSG00000200087.1	30
## ENSG00000231468.2	4
## ENSG00000279443.1	76
## ENSG00000180098.9	1635
## ENSG00000197989.15	257
## ENSG00000221539.1	10
## ENSG00000278274.1	0
## ENSG00000273544.1	0
## ENSG00000280498.1	0
## ENSG00000274582.1	0
## ENSG00000120656.14	1951
## ENSG00000188060.8	107
## ENSG00000229388.1	1
## ENSG00000270103.3	0
## ENSG00000274978.1	0
## ENSG00000162419.13	2246

## ENSG00000252777.1	0
## ENSG00000289291.1	83
## ENSG00000198492.16	18441
## ENSG00000116329.12	46
## ENSG00000233427.1	1
## ENSG00000199756.1	0
## ENSG00000159023.23	10808
## ENSG00000225616.2	23
## ENSG00000206704.1	0
## ENSG00000277958.1	0
## ENSG00000253304.2	1541
## ENSG00000225750.1	1
## ENSG00000116350.18	9526
## ENSG00000277916.1	0
## ENSG00000116353.16	1976
## ENSG00000237934.1	1
## ENSG00000060656.20	12084
## ENSG00000230523.1	1
## ENSG00000225011.4	0
## ENSG00000228176.1	0
## ENSG00000284676.1	5
## ENSG00000270927.1	0
## ENSG00000233399.2	0
## ENSG00000233372.1	0
## ENSG00000231251.1	0
## ENSG00000236335.1	0
## ENSG00000231949.1	0
## ENSG00000289710.1	0
## ENSG00000162510.6	9
## ENSG00000186056.11	9
## ENSG00000287510.1	0
## ENSG00000162511.8	30
## ENSG00000264773.1	0
## ENSG00000229607.1	0
## ENSG00000223382.6	1
## ENSG00000222784.1	0
## ENSG00000235143.1	0
## ENSG00000162512.16	8870
## ENSG00000266210.2	0
## ENSG00000134644.16	16619
## ENSG00000237329.2	0
## ENSG00000232768.1	0
## ENSG00000215900.4	0
## ENSG00000225142.2	0
## ENSG00000084628.10	4733
## ENSG00000060688.13	7062
## ENSG00000229447.2	5
## ENSG00000121766.16	7335
## ENSG00000229044.1	0
## ENSG00000121769.8	1215
## ENSG00000168528.12	10596
## ENSG00000215899.3	5
## ENSG00000206981.1	0
## ENSG00000293391.1	0

## ENSG00000260386.7	0
## ENSG00000265961.1	0
## ENSG00000284543.1	12
## ENSG00000229167.2	12
## ENSG00000142910.16	636
## ENSG00000121764.12	1
## ENSG00000162517.13	6046
## ENSG00000235790.7	2
## ENSG00000264078.1	1
## ENSG00000084636.18	115
## ENSG00000121753.13	889
## ENSG00000266580.1	0
## ENSG00000254545.1	0
## ENSG00000134668.13	49
## ENSG00000203620.2	0
## ENSG00000269967.1	0
## ENSG00000184007.22	20082
## ENSG00000288678.2	0
## ENSG00000228634.1	0
## ENSG00000284702.1	0
## ENSG00000121774.18	32579
## ENSG00000203325.3	1
## ENSG00000121775.18	996
## ENSG00000266203.1	0
## ENSG00000276493.1	0
## ENSG00000025800.14	10837
## ENSG00000250135.1	0
## ENSG00000084652.16	7581
## ENSG00000160050.16	857
## ENSG00000224066.1	2
## ENSG00000160051.12	518
## ENSG00000222046.3	3
## ENSG00000160055.20	586
## ENSG00000084623.12	31986
## ENSG00000291132.1	250
## ENSG00000220785.10	0
## ENSG00000290045.1	15
## ENSG00000183615.6	33
## ENSG00000182866.18	153
## ENSG00000277617.1	0
## ENSG00000252450.1	0
## ENSG00000116478.12	13275
## ENSG00000175130.7	65118
## ENSG00000233775.1	0
## ENSG00000162526.7	3
## ENSG00000225828.2	44
## ENSG00000160058.19	7252
## ENSG00000224333.1	2
## ENSG00000270850.1	0
## ENSG00000229259.1	0
## ENSG00000263529.2	0
## ENSG00000254553.1	0
## ENSG00000273274.2	320
## ENSG00000160062.15	1089

## ENSG00000176261.16	2085
## ENSG00000200591.1	0
## ENSG00000162521.19	33207
## ENSG00000162520.15	17
## ENSG00000224409.1	0
## ENSG00000162522.11	14968
## ENSG00000134684.13	19270
## ENSG00000116497.18	3631
## ENSG00000160097.21	299
## ENSG00000121905.10	192
## ENSG00000121900.19	758
## ENSG00000287691.1	5
## ENSG00000116514.17	2183
## ENSG00000278966.2	2
## ENSG00000217644.5	0
## ENSG00000239670.1	0
## ENSG00000236065.2	0
## ENSG00000004455.18	16010
## ENSG00000276645.1	0
## ENSG00000142920.18	225
## ENSG00000278997.1	18
## ENSG00000116525.14	481
## ENSG00000279179.1	3
## ENSG00000284721.1	0
## ENSG00000160094.15	3080
## ENSG00000270115.1	5
## ENSG00000184389.9	1
## ENSG00000225313.5	66
## ENSG00000134686.21	12841
## ENSG00000284154.1	1
## ENSG00000222112.1	8
## ENSG00000233246.1	10
## ENSG00000234512.1	0
## ENSG00000121903.15	1226
## ENSG00000235907.2	1
## ENSG00000121904.19	69
## ENSG00000227000.2	0
## ENSG00000176256.11	0
## ENSG00000231163.6	0
## ENSG00000201148.1	0
## ENSG00000142698.15	2
## ENSG00000270241.1	0
## ENSG00000287703.1	0
## ENSG00000207941.1	0
## ENSG00000163866.9	3180
## ENSG00000189280.3	4
## ENSG00000189433.7	5
## ENSG00000255811.1	0
## ENSG00000188910.8	13
## ENSG00000187513.9	51
## ENSG00000230163.1	0
## ENSG00000116544.12	182
## ENSG00000284773.1	41
## ENSG00000293382.1	44

## ENSG00000241014.3	0
## ENSG00000243749.2	96
## ENSG00000271741.1	0
## ENSG00000163867.17	714
## ENSG00000197056.11	2179
## ENSG00000233940.1	0
## ENSG00000228348.1	0
## ENSG00000284640.1	2
## ENSG00000116560.12	42478
## ENSG00000201868.1	0
## ENSG00000146463.12	15045
## ENSG00000240374.3	0
## ENSG00000201542.1	0
## ENSG00000229994.1	42
## ENSG00000227409.1	1
## ENSG00000142687.19	6195
## ENSG00000278702.1	0
## ENSG00000236274.1	0
## ENSG00000020129.16	2923
## ENSG00000239636.3	5
## ENSG00000116819.9	13
## ENSG00000126067.12	17281
## ENSG00000142686.8	1099
## ENSG00000092853.14	3405
## ENSG00000232335.1	0
## ENSG00000134698.11	2668
## ENSG00000092847.14	11726
## ENSG00000271164.1	0
## ENSG00000286899.1	0
## ENSG00000271914.1	0
## ENSG00000126070.20	1958
## ENSG00000271554.1	0
## ENSG00000293245.1	5
## ENSG00000232862.6	0
## ENSG00000092850.12	253
## ENSG00000116863.11	2246
## ENSG00000171812.13	9
## ENSG00000054116.12	4825
## ENSG00000116871.16	10655
## ENSG00000264592.2	0
## ENSG00000054118.15	21982
## ENSG00000231849.1	0
## ENSG00000214193.11	174
## ENSG00000142694.7	0
## ENSG00000286379.1	0
## ENSG00000196182.11	6841
## ENSG00000181817.6	2627
## ENSG00000222821.1	0
## ENSG00000116885.18	1229
## ENSG00000201448.1	1
## ENSG00000116898.12	8890
## ENSG00000119535.20	151
## ENSG00000230214.1	0
## ENSG00000284705.1	1

## ENSG00000284720.1	3
## ENSG00000234481.2	0
## ENSG00000163873.10	304
## ENSG00000284650.1	0
## ENSG00000223944.3	0
## ENSG00000264698.1	0
## ENSG00000207328.1	0
## ENSG00000252368.1	0
## ENSG00000230451.2	0
## ENSG00000233621.3	70
## ENSG00000163874.11	753
## ENSG00000283724.1	0
## ENSG00000163875.16	5696
## ENSG00000263675.1	10
## ENSG00000163877.11	2137
## ENSG00000232273.1	0
## ENSG00000237749.4	36
## ENSG00000163879.11	5338
## ENSG00000134697.13	9940
## ENSG00000284748.1	0
## ENSG00000169218.14	2
## ENSG00000116922.15	2399
## ENSG00000134690.11	6102
## ENSG00000183317.17	58
## ENSG00000200421.1	0
## ENSG00000214141.4	0
## ENSG00000227416.2	0
## ENSG00000185090.15	856
## ENSG00000233728.1	0
## ENSG00000196449.4	2444
## ENSG00000197982.14	2300
## ENSG00000188786.10	1922
## ENSG00000235673.1	0
## ENSG00000230955.1	0
## ENSG00000204084.14	1332
## ENSG00000252448.1	2
## ENSG00000222282.1	0
## ENSG00000277168.1	0
## ENSG00000183431.12	16254
## ENSG00000212541.1	10
## ENSG00000183386.10	1494
## ENSG00000183520.12	4125
## ENSG00000185668.8	27
## ENSG00000224592.5	33
## ENSG00000223589.2	0
## ENSG00000265596.1	0
## ENSG00000284623.1	0
## ENSG00000286552.1	1
## ENSG00000287987.1	0
## ENSG00000237290.2	0
## ENSG00000275350.1	0
## ENSG00000200796.1	0
## ENSG00000238063.3	0
## ENSG00000215895.4	43

## ENSG00000284632.1	0
## ENSG00000116954.8	1293
## ENSG00000273637.1	0
## ENSG00000228436.4	36
## ENSG00000214114.9	2881
## ENSG00000274944.4	0
## ENSG00000131233.10	3
## ENSG00000158315.11	4
## ENSG00000199963.1	0
## ENSG00000207466.1	0
## ENSG00000235549.1	0
## ENSG00000174574.16	15231
## ENSG00000168653.11	21620
## ENSG00000127603.32	25543
## ENSG00000206654.1	0
## ENSG00000222378.1	0
## ENSG00000287422.1	0
## ENSG00000226438.1	0
## ENSG00000217897.2	0
## ENSG00000183682.8	73
## ENSG00000237624.1	7
## ENSG00000291129.1	24
## ENSG00000243970.6	1
## ENSG00000090621.15	22408
## ENSG00000228060.3	24
## ENSG00000201457.1	0
## ENSG00000163909.8	49
## ENSG00000225903.1	0
## ENSG00000116981.4	0
## ENSG00000116983.13	4
## ENSG00000084072.17	5291
## ENSG00000225333.6	1
## ENSG00000252413.1	0
## ENSG00000289711.1	0
## ENSG00000116985.12	107
## ENSG00000198754.5	6
## ENSG00000285905.1	0
## ENSG00000261798.1	0
## ENSG00000229213.1	0
## ENSG00000284719.3	1
## ENSG00000284678.1	0
## ENSG00000043514.17	3425
## ENSG00000202222.1	0
## ENSG00000116990.12	2626
## ENSG00000236546.1	8
## ENSG00000207356.1	0
## ENSG00000168389.18	432
## ENSG00000228477.1	38
## ENSG00000131236.18	36632
## ENSG00000131238.18	16975
## ENSG00000226745.2	0
## ENSG00000117000.9	5600
## ENSG00000207508.1	0
## ENSG00000188800.6	0

## ENSG00000259943.2	419
## ENSG00000084073.10	11294
## ENSG00000231296.1	0
## ENSG00000049089.15	1372
## ENSG00000227311.3	15
## ENSG00000084070.12	4605
## ENSG00000213172.3	0
## ENSG00000290111.1	0
## ENSG00000284677.1	1
## ENSG00000187801.15	451
## ENSG00000260920.2	402
## ENSG00000279667.1	13
## ENSG00000187815.10	498
## ENSG00000238287.1	7
## ENSG00000164002.12	429
## ENSG00000227278.1	0
## ENSG00000238186.1	54
## ENSG00000117010.17	239
## ENSG00000286838.1	0
## ENSG00000236505.1	0
## ENSG00000233910.1	0
## ENSG00000117016.10	1745
## ENSG00000287743.1	2
## ENSG00000237899.1	6
## ENSG00000272145.2	43
## ENSG00000066136.21	3106
## ENSG00000198974.3	0
## ENSG00000207962.1	0
## ENSG00000117013.17	142
## ENSG00000264582.2	0
## ENSG00000179862.7	1462
## ENSG00000229528.1	4
## ENSG00000228940.1	0
## ENSG00000286668.1	0
## ENSG00000233118.2	0
## ENSG00000171793.17	13166
## ENSG00000281207.1	40
## ENSG00000171790.16	19
## ENSG00000010803.17	4247
## ENSG00000215893.3	0
## ENSG00000287400.1	0
## ENSG00000235358.2	2
## ENSG00000213987.4	0
## ENSG00000291157.1	5
## ENSG00000286640.3	0
## ENSG00000204060.8	218
## ENSG00000229901.1	0
## ENSG00000252563.1	0
## ENSG00000127129.10	26
## ENSG00000127124.16	466
## ENSG00000230881.1	0
## ENSG00000230638.4	8
## ENSG00000284895.1	0
## ENSG00000287587.1	0

## ENSG00000227538.1	0
## ENSG00000228776.2	0
## ENSG00000044012.4	37
## ENSG00000197273.4	0
## ENSG00000198815.9	6475
## ENSG00000227527.2	4
## ENSG00000177181.15	329
## ENSG00000235002.1	0
## ENSG00000066185.13	56
## ENSG00000127125.9	2950
## ENSG00000186409.19	570
## ENSG00000230116.1	0
## ENSG00000236876.3	15
## ENSG00000200254.1	0
## ENSG00000236180.2	0
## ENSG00000171960.12	1859
## ENSG00000285728.3	70
## ENSG00000234917.2	2
## ENSG00000065978.19	136299
## ENSG00000164007.11	619
## ENSG00000117385.16	8277
## ENSG00000164008.17	665
## ENSG00000283580.4	0
## ENSG00000228452.1	0
## ENSG00000274386.6	57
## ENSG00000177868.12	1643
## ENSG00000164010.15	643
## ENSG00000228192.10	180
## ENSG00000164011.18	1205
## ENSG00000233708.1	0
## ENSG00000237090.1	0
## ENSG00000225099.1	3
## ENSG00000288955.1	0
## ENSG00000117394.24	11627
## ENSG00000284138.1	0
## ENSG00000227533.7	8
## ENSG00000283973.2	1
## ENSG00000207256.1	0
## ENSG00000283136.1	0
## ENSG00000277513.1	0
## ENSG00000186973.11	82
## ENSG00000117395.13	8269
## ENSG00000284410.1	0
## ENSG00000243710.8	167
## ENSG00000199240.1	1
## ENSG00000179178.11	1168
## ENSG00000253313.6	1113
## ENSG00000066056.14	31
## ENSG00000117400.18	15
## ENSG00000287113.1	1
## ENSG00000234694.2	11
## ENSG00000117399.14	13130
## ENSG00000066322.15	7794
## ENSG00000283836.1	0

## ENSG00000288772.2	9
## ENSG00000159479.17	2759
## ENSG00000229431.1	5
## ENSG00000198198.17	2117
## ENSG00000229372.1	1
## ENSG00000274975.1	0
## ENSG00000178922.18	0
## ENSG00000229348.1	0
## ENSG00000142949.17	78374
## ENSG00000066135.13	7212
## ENSG00000284989.1	0
## ENSG00000236200.7	52
## ENSG00000126091.21	86
## ENSG00000229444.1	0
## ENSG00000283414.1	0
## ENSG00000233674.2	0
## ENSG00000283477.1	0
## ENSG00000224751.2	1
## ENSG00000117407.17	24
## ENSG00000237950.3	7
## ENSG00000288573.3	7
## ENSG00000117408.11	4463
## ENSG00000285649.1	3
## ENSG00000132768.14	4668
## ENSG00000117410.14	10014
## ENSG00000117411.18	8909
## ENSG00000159214.13	648
## ENSG00000196517.13	2397
## ENSG00000230615.8	101
## ENSG00000227163.2	0
## ENSG00000271647.1	0
## ENSG00000239560.3	0
## ENSG00000171872.5	0
## ENSG00000233514.1	23
## ENSG00000283039.1	0
## ENSG00000226804.4	0
## ENSG00000200171.1	0
## ENSG00000238037.1	0
## ENSG00000227994.1	0
## ENSG00000271329.1	0
## ENSG00000178028.14	2345
## ENSG00000117419.16	9007
## ENSG00000233602.1	4
## ENSG00000199385.1	0
## ENSG00000187147.19	5476
## ENSG00000263381.1	0
## ENSG00000126106.14	762
## ENSG00000198520.12	31
## ENSG00000199377.1	0
## ENSG00000200169.1	1
## ENSG00000142945.13	5393
## ENSG00000225721.5	0
## ENSG00000142937.12	136791
## ENSG00000264294.1	0

## ENSG00000200913.1	12
## ENSG00000202031.1	0
## ENSG00000207421.1	0
## ENSG00000281859.1	0
## ENSG00000234093.3	21
## ENSG00000142959.5	103
## ENSG00000173846.13	735
## ENSG00000188396.4	6
## ENSG00000290041.1	1
## ENSG00000222009.9	108
## ENSG00000117425.14	59
## ENSG00000202444.1	0
## ENSG00000226499.1	5
## ENSG00000070785.17	2803
## ENSG00000253039.1	0
## ENSG00000229815.1	1
## ENSG00000232369.1	2
## ENSG00000268949.1	0
## ENSG00000126107.15	3436
## ENSG00000126088.14	4739
## ENSG00000162415.7	731
## ENSG00000234315.1	1
## ENSG00000281912.1	18
## ENSG00000186603.7	1532
## ENSG00000132781.21	108
## ENSG00000288208.1	0
## ENSG00000132773.12	1448
## ENSG00000070759.17	1176
## ENSG00000236872.1	0
## ENSG00000280670.3	260
## ENSG00000132763.15	1819
## ENSG00000117450.15	49176
## ENSG00000234379.1	0
## ENSG00000117448.14	13724
## ENSG00000289407.1	33
## ENSG00000132780.17	37897
## ENSG00000159588.15	13
## ENSG00000159592.11	11005
## ENSG00000225447.1	4
## ENSG00000234329.1	25
## ENSG00000159596.7	2531
## ENSG00000197429.11	1538
## ENSG00000230896.1	135
## ENSG00000236111.5	3
## ENSG00000086015.23	5848
## ENSG00000232467.2	1
## ENSG00000117461.15	7144
## ENSG00000278139.1	0
## ENSG00000226957.1	0
## ENSG00000233114.2	0
## ENSG00000227857.2	7
## ENSG00000117472.10	1190
## ENSG00000250719.2	0
## ENSG00000085998.15	8139

## ENSG00000171357.6	13
## ENSG00000085999.13	2329
## ENSG00000132128.18	13705
## ENSG00000173660.12	20581
## ENSG00000117481.11	2993
## ENSG00000225779.1	0
## ENSG00000117480.16	911
## ENSG00000232022.10	0
## ENSG00000291138.1	6
## ENSG00000224863.3	0
## ENSG00000197587.12	1
## ENSG00000282881.3	0
## ENSG00000269956.2	5
## ENSG00000162456.10	0
## ENSG00000079277.22	1438
## ENSG00000142961.16	136
## ENSG00000123472.13	6808
## ENSG00000233647.2	0
## ENSG00000186118.9	1
## ENSG00000228237.5	0
## ENSG00000159658.15	6849
## ENSG00000236476.2	0
## ENSG00000142973.16	4
## ENSG00000290456.1	0
## ENSG00000154198.15	0
## ENSG00000238145.2	0
## ENSG00000187048.14	1
## ENSG00000259832.1	0
## ENSG00000261196.1	0
## ENSG00000261593.1	0
## ENSG00000261290.1	0
## ENSG00000186377.8	212
## ENSG00000186160.5	1
## ENSG00000225154.2	0
## ENSG00000225506.2	17
## ENSG00000162365.13	1
## ENSG00000225514.1	0
## ENSG00000224805.2	7
## ENSG00000290081.1	1
## ENSG00000162366.8	3
## ENSG00000162367.12	25
## ENSG00000226252.1	0
## ENSG00000123473.17	3018
## ENSG00000162368.15	19700
## ENSG00000225762.1	23
## ENSG00000186790.6	68
## ENSG00000237424.1	468
## ENSG00000186564.6	151
## ENSG00000271355.1	0
## ENSG00000229554.2	0
## ENSG00000227883.1	0
## ENSG00000227947.2	5
## ENSG00000269113.4	1414
## ENSG00000223814.1	0

## ENSG00000225028.1	10
## ENSG00000226133.6	3
## ENSG00000231413.1	0
## ENSG00000237180.1	0
## ENSG00000290466.1	4
## ENSG00000279096.2	3
## ENSG00000242267.7	0
## ENSG00000291246.1	0
## ENSG00000223720.2	1
## ENSG00000117834.13	30
## ENSG00000272491.1	2
## ENSG00000279214.1	1
## ENSG00000132122.12	1411
## ENSG00000224986.2	4
## ENSG00000206700.1	0
## ENSG00000235105.1	26
## ENSG00000223175.1	0
## ENSG00000232514.1	0
## ENSG00000186094.18	17
## ENSG00000287661.1	0
## ENSG00000162373.13	509
## ENSG00000286597.1	0
## ENSG00000229846.2	0
## ENSG00000230114.1	0
## ENSG00000225623.1	0
## ENSG00000237478.2	0
## ENSG00000215887.5	0
## ENSG00000279324.1	0
## ENSG00000233595.2	0
## ENSG00000162374.18	336
## ENSG00000230828.1	0
## ENSG00000237337.1	3
## ENSG00000233407.1	0
## ENSG00000284696.2	0
## ENSG00000284645.1	1
## ENSG00000234080.3	1
## ENSG00000229316.1	0
## ENSG00000225671.2	0
## ENSG00000142700.12	4
## ENSG00000284700.2	0
## ENSG00000185104.21	4302
## ENSG00000225767.1	0
## ENSG00000207194.1	0
## ENSG00000230585.2	5
## ENSG00000237130.1	0
## ENSG00000123080.12	15
## ENSG00000290102.1	0
## ENSG00000265538.1	0
## ENSG00000275816.1	0
## ENSG00000204006.11	0
## ENSG00000200262.1	0
## ENSG00000213478.2	3
## ENSG00000203356.2	4
## ENSG00000123091.5	9914

## ENSG00000233406.5	12
## ENSG00000236434.2	0
## ENSG00000085831.16	1278
## ENSG00000261664.5	3
## ENSG00000085832.18	5574
## ENSG00000232027.2	5
## ENSG00000206595.1	0
## ENSG00000238140.1	1
## ENSG00000227070.2	2
## ENSG00000252032.1	0
## ENSG00000227742.3	0
## ENSG00000293506.1	1
## ENSG00000117859.19	17422
## ENSG00000236973.2	0
## ENSG00000232846.1	0
## ENSG00000212624.1	0
## ENSG00000078618.23	22930
## ENSG00000266993.3	12
## ENSG00000272175.1	1
## ENSG00000283899.1	0
## ENSG00000230604.2	0
## ENSG00000169213.7	16781
## ENSG00000200839.1	0
## ENSG00000229032.1	0
## ENSG00000264613.2	0
## ENSG00000117862.13	1877
## ENSG00000285839.1	2
## ENSG00000198841.4	642
## ENSG00000223390.1	1
## ENSG00000228369.2	1
## ENSG00000134717.18	12299
## ENSG00000157077.16	7767
## ENSG00000241745.3	0
## ENSG00000228407.2	21
## ENSG00000223429.1	0
## ENSG00000224255.2	3
## ENSG00000236004.2	0
## ENSG00000237663.2	0
## ENSG00000213735.2	0
## ENSG00000154222.15	2638
## ENSG00000272100.1	1
## ENSG00000287078.1	11
## ENSG00000224680.4	29
## ENSG00000085840.13	3355
## ENSG00000134748.13	7293
## ENSG00000134744.14	5919
## ENSG00000272371.1	0
## ENSG00000236290.1	0
## ENSG00000116157.6	1872
## ENSG00000182183.15	18
## ENSG00000162377.6	3949
## ENSG00000233664.1	0
## ENSG00000239640.3	0
## ENSG00000162378.13	4958

## ENSG00000252018.1	0
## ENSG00000228929.1	122
## ENSG00000206627.1	0
## ENSG00000203995.11	54
## ENSG00000242391.2	1
## ENSG00000121310.17	809
## ENSG00000230953.2	7
## ENSG00000231866.2	0
## ENSG00000116171.19	6733
## ENSG00000264834.1	0
## ENSG00000266188.1	0
## ENSG00000265815.1	0
## ENSG00000237279.2	0
## ENSG00000236360.2	2
## ENSG00000226147.1	2
## ENSG00000174348.14	164
## ENSG00000232993.1	0
## ENSG00000227644.2	0
## ENSG00000162383.13	7
## ENSG00000235563.1	1
## ENSG00000277397.1	0
## ENSG00000157184.7	2256
## ENSG00000236723.2	2
## ENSG00000162384.14	1890
## ENSG00000259818.1	0
## ENSG00000162385.11	4722
## ENSG00000226754.3	36
## ENSG00000157193.18	1355
## ENSG00000234578.1	0
## ENSG00000228838.1	0
## ENSG00000232762.1	0
## ENSG00000225675.2	1
## ENSG00000285954.1	0
## ENSG00000226938.1	0
## ENSG00000230138.2	0
## ENSG00000293253.1	0
## ENSG00000236253.8	0
## ENSG00000288527.1	0
## ENSG00000143006.7	0
## ENSG00000174332.6	4
## ENSG00000239007.1	0
## ENSG00000058804.12	12631
## ENSG00000201003.1	1
## ENSG00000229687.2	0
## ENSG00000058799.15	3932
## ENSG00000211452.12	195
## ENSG00000081870.12	1439
## ENSG00000116212.16	7090
## ENSG00000219102.3	40
## ENSG00000203985.11	20
## ENSG00000116209.12	12141
## ENSG00000280378.1	3
## ENSG00000116205.14	1545
## ENSG00000283749.1	0

## ENSG00000225183.1	0
## ENSG00000256407.2	1
## ENSG00000157211.12	0
## ENSG00000280425.2	0
## ENSG00000215883.11	501
## ENSG00000116221.15	10815
## ENSG00000157216.17	10193
## ENSG00000198711.5	21
## ENSG00000225632.2	0
## ENSG00000232245.1	0
## ENSG00000287582.1	0
## ENSG00000235741.1	0
## ENSG00000237173.1	0
## ENSG00000227453.1	0
## ENSG00000162390.18	221
## ENSG00000162391.12	210
## ENSG00000230728.1	0
## ENSG00000184313.20	0
## ENSG00000271723.5	0
## ENSG00000243725.7	330
## ENSG00000162396.6	1489
## ENSG00000006555.11	63
## ENSG00000237453.1	0
## ENSG00000162398.12	1
## ENSG00000116133.13	64132
## ENSG00000287724.1	2
## ENSG00000242396.2	6
## ENSG00000233203.6	17
## ENSG00000284601.1	0
## ENSG00000143001.5	30
## ENSG00000233271.1	0
## ENSG00000162399.9	9
## ENSG00000169174.12	5374
## ENSG00000162402.15	10016
## ENSG00000231090.2	0
## ENSG00000231095.1	1
## ENSG00000265822.1	0
## ENSG00000234810.4	0
## ENSG00000231900.3	0
## ENSG00000232198.2	0
## ENSG00000199831.1	0
## ENSG00000252162.1	0
## ENSG00000272051.1	0
## ENSG00000233079.3	0
## ENSG00000230250.3	0
## ENSG00000227104.3	0
## ENSG00000235612.1	0
## ENSG00000260971.4	0
## ENSG00000284686.1	2
## ENSG00000229871.1	0
## ENSG00000223956.5	0
## ENSG00000162407.9	1665
## ENSG00000236776.1	0
## ENSG00000224980.1	0

## ENSG00000225475.1	0
## ENSG00000162409.12	1786
## ENSG00000187889.13	42
## ENSG00000229913.1	0
## ENSG00000157131.12	6
## ENSG00000021852.14	22
## ENSG00000236341.1	0
## ENSG00000173406.16	964
## ENSG00000227935.1	0
## ENSG00000236888.1	0
## ENSG00000226759.8	0
## ENSG00000290536.1	3
## ENSG00000229887.5	0
## ENSG00000223416.3	1
## ENSG00000235038.1	0
## ENSG00000230546.1	0
## ENSG00000233216.1	0
## ENSG00000162600.12	1009
## ENSG00000286918.1	7
## ENSG00000270209.1	0
## ENSG00000264128.2	0
## ENSG00000184292.7	529
## ENSG00000185839.3	31
## ENSG00000162601.12	1762
## ENSG00000283445.1	0
## ENSG00000177606.9	3998
## ENSG00000290013.1	0
## ENSG00000234807.8	6
## ENSG00000272226.1	3
## ENSG00000231740.1	0
## ENSG00000232453.7	7
## ENSG00000237352.6	0
## ENSG00000228121.1	0
## ENSG00000241042.1	0
## ENSG00000235215.2	0
## ENSG00000224609.8	8
## ENSG00000270457.1	0
## ENSG00000172456.18	470
## ENSG00000266150.1	0
## ENSG00000226883.1	0
## ENSG00000134709.13	5642
## ENSG00000134716.11	128
## ENSG00000265535.2	0
## ENSG00000162598.13	8
## ENSG00000229332.2	1
## ENSG00000238242.2	0
## ENSG00000226476.7	4
## ENSG00000231252.4	0
## ENSG00000162599.18	32
## ENSG00000237928.6	0
## ENSG00000237853.6	0
## ENSG00000284808.1	0
## ENSG00000287224.1	1
## ENSG00000223920.2	0

## ENSG00000162604.13	985
## ENSG00000271200.1	4
## ENSG00000132849.22	7414
## ENSG00000200575.1	0
## ENSG00000212360.1	0
## ENSG00000236646.1	0
## ENSG00000242860.3	0
## ENSG00000263908.1	0
## ENSG00000283690.1	0
## ENSG00000234204.1	0
## ENSG00000234088.1	0
## ENSG00000240563.2	17045
## ENSG00000237227.1	4
## ENSG00000200174.1	0
## ENSG00000132854.19	5133
## ENSG00000201153.1	1
## ENSG00000162607.13	9641
## ENSG00000116641.18	9456
## ENSG00000270549.1	0
## ENSG00000132855.5	20
## ENSG00000278967.1	5
## ENSG00000213703.2	1
## ENSG00000235545.1	65
## ENSG00000125703.15	1253
## ENSG00000234318.1	1
## ENSG00000237163.1	0
## ENSG00000229537.7	0
## ENSG00000286455.1	0
## ENSG00000227485.1	0
## ENSG00000229225.1	0
## ENSG00000203605.3	0
## ENSG00000224209.8	0
## ENSG00000252259.1	0
## ENSG00000228734.2	0
## ENSG00000223683.1	0
## ENSG00000230798.7	0
## ENSG00000187140.6	0
## ENSG00000275836.1	0
## ENSG00000252784.1	0
## ENSG00000236674.1	2
## ENSG00000088035.18	2145
## ENSG00000142856.17	2122
## ENSG00000286429.1	0
## ENSG00000203965.13	637
## ENSG00000264271.2	0
## ENSG00000251720.1	3
## ENSG00000116652.6	12
## ENSG00000276884.1	0
## ENSG00000278287.1	0
## ENSG00000277565.1	0
## ENSG00000275823.1	0
## ENSG00000277689.1	0
## ENSG00000274199.1	0
## ENSG00000079739.17	5437

## ENSG00000244256.3	1
## ENSG00000185483.13	2937
## ENSG00000177452.7	3
## ENSG00000228056.3	3
## ENSG00000207190.1	0
## ENSG00000200508.1	0
## ENSG00000223949.8	2
## ENSG00000284928.1	2
## ENSG00000177414.14	0
## ENSG00000238653.1	0
## ENSG00000158966.16	7427
## ENSG00000264470.1	0
## ENSG00000162437.15	4776
## ENSG00000162434.14	7005
## ENSG00000234784.2	0
## ENSG00000233877.2	0
## ENSG00000226891.9	2
## ENSG00000185031.6	0
## ENSG00000272506.1	1
## ENSG00000212257.1	0
## ENSG00000265996.1	2
## ENSG00000199135.1	0
## ENSG00000288804.1	3
## ENSG00000235804.2	0
## ENSG00000234496.2	0
## ENSG00000162433.15	11982
## ENSG00000231622.1	0
## ENSG00000116675.16	1701
## ENSG00000229294.1	0
## ENSG00000234144.1	2
## ENSG00000290094.1	0
## ENSG00000222624.1	0
## ENSG00000213625.9	5831
## ENSG00000116678.20	1481
## ENSG00000237852.1	8
## ENSG00000224570.1	0
## ENSG00000285079.1	0
## ENSG00000239319.3	0
## ENSG00000184588.18	61
## ENSG00000227466.1	0
## ENSG00000223152.1	0
## ENSG00000118473.23	113
## ENSG00000264720.3	0
## ENSG00000248458.2	1
## ENSG00000152760.10	98
## ENSG00000172410.5	1
## ENSG00000152763.17	507
## ENSG00000231080.1	0
## ENSG00000198160.15	3939
## ENSG00000289394.1	3
## ENSG00000116704.8	4308
## ENSG00000203963.12	18
## ENSG00000252433.1	0
## ENSG00000275678.1	13

## ENSG00000162594.17	11
## ENSG00000253074.1	0
## ENSG00000252116.1	0
## ENSG00000228523.1	0
## ENSG00000081985.14	35
## ENSG00000142864.15	65936
## ENSG00000223263.1	2
## ENSG00000235200.5	0
## ENSG00000207504.1	0
## ENSG00000238139.2	0
## ENSG00000242482.3	0
## ENSG00000232048.2	0
## ENSG00000116717.13	5599
## ENSG00000172380.6	7115
## ENSG00000238778.1	0
## ENSG00000232284.9	117
## ENSG00000235055.3	0
## ENSG00000162595.8	107
## ENSG00000228431.1	3
## ENSG00000116729.14	27107
## ENSG00000234383.1	8
## ENSG00000221203.1	0
## ENSG00000229133.1	21
## ENSG00000225242.2	0
## ENSG00000237622.1	0
## ENSG00000229440.1	0
## ENSG00000116745.7	1
## ENSG00000024526.17	4205
## ENSG00000233589.1	10
## ENSG00000234264.1	7
## ENSG00000225167.1	0
## ENSG00000285041.1	3
## ENSG00000285407.1	10
## ENSG00000285473.1	1
## ENSG00000223883.2	11
## ENSG00000235446.2	0
## ENSG00000229639.1	2
## ENSG00000287453.1	1
## ENSG00000033122.21	1483
## ENSG00000270615.1	1
## ENSG00000287283.1	0
## ENSG00000240692.3	0
## ENSG00000293134.1	0
## ENSG00000229359.3	0
## ENSG00000237919.5	5
## ENSG00000066557.6	5558
## ENSG00000244389.3	0
## ENSG00000116754.14	19678
## ENSG00000228988.1	0
## ENSG00000118454.13	2897
## ENSG00000197568.15	548
## ENSG00000226088.1	30
## ENSG00000116761.12	2343
## ENSG00000278636.1	0

## ENSG00000271992.1	34
## ENSG00000233020.1	1
## ENSG00000237033.2	1
## ENSG00000229051.2	0
## ENSG00000226208.1	0
## ENSG00000050628.21	81
## ENSG00000235782.1	0
## ENSG00000235079.1	2
## ENSG00000132485.14	9180
## ENSG00000207721.1	10
## ENSG00000229956.11	31
## ENSG00000226324.1	0
## ENSG00000172260.15	429
## ENSG00000231985.1	0
## ENSG00000271618.1	0
## ENSG00000228853.1	0
## ENSG00000233994.2	8
## ENSG00000286863.2	6
## ENSG00000227207.2	0
## ENSG00000225087.2	1
## ENSG00000212366.1	0
## ENSG00000227016.3	0
## ENSG00000285808.1	0
## ENSG00000280317.1	0
## ENSG00000229636.2	1
## ENSG00000251825.1	0
## ENSG00000233973.7	0
## ENSG00000223479.3	0
## ENSG00000200601.1	0
## ENSG00000285778.2	0
## ENSG00000252005.2	0
## ENSG00000162620.16	122
## ENSG00000259030.8	8
## ENSG00000254685.8	1067
## ENSG00000116783.15	2
## ENSG00000237324.3	1
## ENSG00000233894.1	0
## ENSG00000162621.7	3
## ENSG00000178965.14	133
## ENSG00000234497.5	0
## ENSG00000272864.1	11
## ENSG00000116791.14	6516
## ENSG00000162623.16	3066
## ENSG00000229943.1	0
## ENSG00000261213.1	0
## ENSG00000224127.1	2
## ENSG00000162624.16	2
## ENSG00000224149.1	0
## ENSG00000206999.1	0
## ENSG00000137968.17	626
## ENSG00000224493.1	0
## ENSG00000252338.1	0
## ENSG00000213579.3	0
## ENSG00000293044.1	0

## ENSG00000230863.4	0
## ENSG00000117054.15	5661
## ENSG00000181227.3	0
## ENSG00000137955.16	5726
## ENSG00000206620.1	0
## ENSG00000207241.1	0
## ENSG00000201487.1	0
## ENSG00000057468.7	3
## ENSG00000154007.7	0
## ENSG00000225605.3	0
## ENSG00000230027.2	1
## ENSG00000184005.12	3154
## ENSG00000223905.1	0
## ENSG00000272855.1	3
## ENSG00000226415.1	243
## ENSG00000199921.1	0
## ENSG00000237552.1	0
## ENSG00000117069.15	1403
## ENSG00000276081.1	0
## ENSG00000288543.1	4
## ENSG00000230498.3	10
## ENSG00000142892.15	3830
## ENSG00000226084.5	242
## ENSG00000228187.1	2
## ENSG00000289212.1	7
## ENSG00000287870.1	4
## ENSG00000154027.19	266
## ENSG00000233099.1	0
## ENSG00000251767.1	0
## ENSG00000287647.1	0
## ENSG00000036549.13	6840
## ENSG00000251785.1	0
## ENSG00000243437.3	0
## ENSG00000077254.14	10744
## ENSG00000232672.1	0
## ENSG00000180488.17	1197
## ENSG00000222849.1	0
## ENSG00000219201.4	49
## ENSG00000235613.2	0
## ENSG00000232015.2	0
## ENSG00000235927.4	11
## ENSG00000162614.19	1634
## ENSG00000162613.18	20414
## ENSG00000162616.9	1432
## ENSG00000137960.6	1015
## ENSG00000273338.1	3
## ENSG00000285928.1	15
## ENSG00000213561.4	5
## ENSG00000251958.1	0
## ENSG00000213560.4	2
## ENSG00000202263.1	0
## ENSG00000233333.2	0
## ENSG00000237413.5	1
## ENSG00000122420.10	1

## ENSG00000227556.1	0
## ENSG00000212308.1	0
## ENSG00000137959.17	1
## ENSG00000137965.11	0
## ENSG00000238015.2	0
## ENSG00000235400.1	1
## ENSG00000162618.15	7
## ENSG00000230787.1	16
## ENSG00000282898.1	0
## ENSG00000235011.2	0
## ENSG00000285462.1	0
## ENSG00000288822.2	0
## ENSG00000232676.1	3
## ENSG00000285409.1	0
## ENSG00000235756.2	0
## ENSG00000260322.1	0
## ENSG00000277670.1	0
## ENSG00000236407.1	0
## ENSG00000225598.1	0
## ENSG00000213559.4	0
## ENSG00000227062.2	0
## ENSG00000234108.1	0
## ENSG00000224326.1	0
## ENSG00000234184.8	0
## ENSG00000227937.1	0
## ENSG00000229752.1	6
## ENSG00000235089.1	2
## ENSG00000285179.1	0
## ENSG00000223026.1	0
## ENSG00000117114.21	19030
## ENSG00000224494.1	0
## ENSG00000227288.3	38
## ENSG00000227960.1	0
## ENSG00000234953.2	0
## ENSG00000242598.1	0
## ENSG00000236676.1	3
## ENSG00000234683.1	0
## ENSG00000215875.4	0
## ENSG00000233290.4	0
## ENSG00000230817.6	0
## ENSG00000236268.6	2
## ENSG00000285782.2	0
## ENSG00000231364.3	0
## ENSG00000233008.8	2
## ENSG00000237076.2	0
## ENSG00000137941.17	1582
## ENSG00000233061.1	0
## ENSG00000229486.2	0
## ENSG00000285201.1	0
## ENSG00000271576.2	59
## ENSG00000142875.21	8349
## ENSG00000213540.3	0
## ENSG00000226970.2	3
## ENSG00000199959.1	0

## ENSG00000203943.9	294
## ENSG00000249237.6	0
## ENSG00000293445.1	1
## ENSG00000293446.1	0
## ENSG00000240520.8	0
## ENSG00000137976.8	3
## ENSG00000285361.1	3
## ENSG00000117133.11	5226
## ENSG00000174021.12	5212
## ENSG00000285851.1	3
## ENSG00000122432.19	6
## ENSG00000117151.13	905
## ENSG00000284882.2	9
## ENSG00000285374.1	0
## ENSG00000289881.1	17
## ENSG00000180869.4	1
## ENSG00000232622.1	0
## ENSG00000117155.17	5962
## ENSG00000285325.1	0
## ENSG00000171517.6	572
## ENSG00000153898.13	49
## ENSG00000162643.13	990
## ENSG00000055732.13	288
## ENSG00000266110.1	1
## ENSG00000280099.1	76
## ENSG00000097096.10	921
## ENSG00000162642.14	1737
## ENSG00000223254.1	5
## ENSG00000142867.14	1478
## ENSG00000223653.6	9
## ENSG00000153904.21	4482
## ENSG00000199459.1	0
## ENSG00000273264.1	0
## ENSG00000282057.1	19
## ENSG00000272691.1	1
## ENSG00000142871.18	7362
## ENSG00000199934.1	0
## ENSG00000230285.1	0
## ENSG00000117174.11	4045
## ENSG00000171502.15	667
## ENSG00000201620.1	0
## ENSG00000229505.1	0
## ENSG00000285210.1	8
## ENSG00000122417.16	2978
## ENSG00000278281.1	0
## ENSG00000231349.2	0
## ENSG00000137975.8	14
## ENSG00000016490.16	270
## ENSG00000016602.9	0
## ENSG00000224466.1	0
## ENSG00000236915.3	21
## ENSG00000291014.1	0
## ENSG00000153923.11	0
## ENSG00000097033.15	8533

## ENSG00000230721.1	9
## ENSG00000284846.1	0
## ENSG00000183291.18	12159
## ENSG00000153936.18	8966
## ENSG00000267734.1	0
## ENSG00000267561.2	0
## ENSG00000235251.2	6
## ENSG00000225568.1	2
## ENSG00000267272.5	43
## ENSG00000284240.1	0
## ENSG00000143013.13	10306
## ENSG00000227290.2	1
## ENSG00000199318.1	0
## ENSG00000237505.8	66
## ENSG00000279778.1	0
## ENSG00000270507.1	0
## ENSG00000286758.1	0
## ENSG00000239504.3	0
## ENSG00000230053.2	0
## ENSG00000274321.1	0
## ENSG00000237959.1	0
## ENSG00000065243.20	7171
## ENSG00000207234.1	2
## ENSG00000241975.1	12
## ENSG00000137947.12	2788
## ENSG00000235308.1	1
## ENSG00000137944.18	4888
## ENSG00000213516.10	2258
## ENSG00000117226.12	162
## ENSG00000202385.1	0
## ENSG00000117228.11	198
## ENSG00000234518.2	108
## ENSG00000162645.13	120
## ENSG00000289582.1	0
## ENSG00000286802.1	0
## ENSG00000213512.3	0
## ENSG00000162654.9	13
## ENSG00000284734.1	0
## ENSG00000284637.1	0
## ENSG00000289712.1	0
## ENSG00000154451.15	0
## ENSG00000237568.1	0
## ENSG00000238081.1	0
## ENSG00000233235.1	0
## ENSG00000183347.15	9
## ENSG00000215874.3	0
## ENSG00000290525.1	0
## ENSG00000225492.7	1
## ENSG00000286548.1	61
## ENSG00000197147.15	3705
## ENSG00000288629.1	0
## ENSG00000231999.8	52
## ENSG00000230735.1	0
## ENSG00000171488.15	569

## ENSG00000271949.1	0
## ENSG00000226394.2	0
## ENSG00000231613.1	0
## ENSG00000272931.1	61
## ENSG00000171492.14	7826
## ENSG00000272672.1	6
## ENSG00000252797.1	1
## ENSG00000228175.3	110
## ENSG00000162664.17	5272
## ENSG00000287015.1	0
## ENSG00000287406.1	21
## ENSG00000212459.1	0
## ENSG00000287372.1	2
## ENSG00000229201.1	0
## ENSG00000199666.2	0
## ENSG00000143032.8	3
## ENSG00000287076.1	0
## ENSG00000233593.12	146
## ENSG00000285532.2	5
## ENSG00000225446.3	0
## ENSG00000272094.1	0
## ENSG00000232882.1	10
## ENSG00000122482.22	7901
## ENSG00000232393.1	2
## ENSG00000162669.16	81
## ENSG00000206817.1	0
## ENSG00000215873.2	0
## ENSG00000097046.13	3513
## ENSG00000241318.3	1
## ENSG00000229067.1	3
## ENSG00000203914.4	22
## ENSG00000069702.11	2234
## ENSG00000239794.3	0
## ENSG00000137948.19	0
## ENSG00000289483.1	82
## ENSG00000172031.7	103
## ENSG00000233228.1	0
## ENSG00000230667.7	113
## ENSG00000189195.15	482
## ENSG00000224678.3	0
## ENSG00000233401.1	0
## ENSG00000273487.1	7
## ENSG00000226773.1	0
## ENSG00000203910.9	5
## ENSG00000233125.3	0
## ENSG00000174842.17	2074
## ENSG00000122484.9	3098
## ENSG00000242764.3	0
## ENSG00000162676.13	22
## ENSG00000067208.17	2549
## ENSG00000223787.2	1
## ENSG00000229992.1	0
## ENSG00000201317.1	0
## ENSG00000225505.1	0

## ENSG00000234202.2	0
## ENSG00000223896.2	1
## ENSG00000122406.14	188487
## ENSG00000154511.12	1356
## ENSG00000206680.1	0
## ENSG00000207523.1	3
## ENSG00000207022.1	0
## ENSG00000293223.1	0
## ENSG00000229052.3	0
## ENSG00000289544.1	0
## ENSG00000252121.1	0
## ENSG00000239710.3	0
## ENSG00000287797.1	0
## ENSG00000252752.1	0
## ENSG00000222664.1	0
## ENSG00000251837.1	0
## ENSG00000143033.18	7844
## ENSG00000117500.13	10790
## ENSG00000122483.18	1145
## ENSG00000237003.1	0
## ENSG00000225297.1	0
## ENSG00000223745.8	250
## ENSG00000229567.1	9
## ENSG00000117505.13	6571
## ENSG00000229635.1	1
## ENSG00000207379.1	0
## ENSG00000137942.18	26063
## ENSG00000212601.1	0
## ENSG00000137936.18	1275
## ENSG00000224093.7	201
## ENSG00000211575.3	1
## ENSG00000260464.1	45
## ENSG00000067334.14	10170
## ENSG00000023909.10	3435
## ENSG00000223490.2	0
## ENSG00000234099.1	0
## ENSG00000235794.1	0
## ENSG00000232752.1	0
## ENSG00000229842.2	0
## ENSG00000250890.1	0
## ENSG00000236689.1	0
## ENSG00000226960.1	0
## ENSG00000233129.1	0
## ENSG00000198691.14	92
## ENSG00000233482.1	0
## ENSG00000137962.13	4102
## ENSG00000264963.2	0
## ENSG00000226835.4	18
## ENSG00000178596.10	0
## ENSG00000236098.1	0
## ENSG00000232918.2	0
## ENSG00000286692.1	1
## ENSG00000117528.14	12442
## ENSG00000117525.14	6410

## ENSG00000288736.2	34
## ENSG00000223675.1	3
## ENSG00000293271.1	1069
## ENSG00000232857.2	0
## ENSG00000224081.11	4
## ENSG00000263526.1	0
## ENSG00000143036.17	5672
## ENSG00000117519.16	42586
## ENSG00000235501.8	1435
## ENSG00000172339.10	826
## ENSG00000230427.1	1
## ENSG00000152078.10	4664
## ENSG00000271092.5	47
## ENSG00000231992.1	0
## ENSG00000206679.1	0
## ENSG00000226026.7	17
## ENSG00000122481.17	295
## ENSG00000228852.6	15
## ENSG00000287919.1	6
## ENSG00000228504.1	0
## ENSG00000230434.3	0
## ENSG00000237954.7	14
## ENSG00000233907.1	0
## ENSG00000228971.4	5
## ENSG00000271252.1	0
## ENSG00000237435.10	0
## ENSG00000200800.1	0
## ENSG00000231987.1	0
## ENSG00000225923.1	0
## ENSG00000234422.1	0
## ENSG00000228502.1	612
## ENSG00000241992.3	0
## ENSG00000234226.5	0
## ENSG00000137970.7	1309
## ENSG00000223229.1	0
## ENSG00000117569.20	3457
## ENSG00000188641.14	393
## ENSG00000232878.3	0
## ENSG00000232542.1	0
## ENSG00000228057.1	55
## ENSG00000226128.1	0
## ENSG00000230718.1	0
## ENSG00000235777.1	0
## ENSG00000270911.1	0
## ENSG00000225206.12	30
## ENSG00000259946.1	0
## ENSG00000284247.1	0
## ENSG00000284202.1	0
## ENSG00000288810.1	0
## ENSG00000285922.1	9
## ENSG00000233557.2	0
## ENSG00000226053.1	52
## ENSG00000280040.1	4
## ENSG00000162627.17	3697

## ENSG00000117598.14	369
## ENSG00000232825.3	1
## ENSG00000227034.1	9
## ENSG00000117600.14	68
## ENSG00000233983.2	0
## ENSG00000224445.3	11
## ENSG00000099260.12	6235
## ENSG00000223656.1	6
## ENSG00000156869.14	1016
## ENSG00000201491.1	0
## ENSG00000202254.1	0
## ENSG00000231996.1	0
## ENSG00000162688.17	4574
## ENSG00000228084.3	11
## ENSG00000117620.15	929
## ENSG00000283761.1	17
## ENSG00000212248.1	0
## ENSG00000202259.1	0
## ENSG00000288826.1	21
## ENSG00000156875.14	375
## ENSG00000241073.1	0
## ENSG00000156876.10	1481
## ENSG00000226952.1	1
## ENSG00000122435.11	940
## ENSG00000122477.14	19
## ENSG00000137992.15	4330
## ENSG00000271415.1	1
## ENSG00000225169.1	0
## ENSG00000285530.1	10
## ENSG00000230287.3	3
## ENSG00000224616.5	126
## ENSG00000137996.13	3796
## ENSG00000207750.1	1
## ENSG00000215871.2	2
## ENSG00000223906.1	0
## ENSG00000079335.20	1137
## ENSG00000234332.1	1
## ENSG00000228086.1	0
## ENSG00000181656.7	8
## ENSG00000213421.4	0
## ENSG00000230402.2	0
## ENSG00000285525.1	0
## ENSG00000224685.1	0
## ENSG00000162692.12	82
## ENSG00000162694.14	4024
## ENSG00000273204.1	13
## ENSG00000162695.12	3266
## ENSG00000230946.3	2
## ENSG00000117543.22	5467
## ENSG00000235795.1	8
## ENSG00000233184.9	327
## ENSG00000252765.1	0
## ENSG00000289355.2	0
## ENSG00000271578.1	0

## ENSG00000225938.3	0
## ENSG00000170989.10	20
## ENSG00000228399.1	4
## ENSG00000173810.9	0
## ENSG00000231671.1	0
## ENSG00000226715.4	2
## ENSG00000252530.1	0
## ENSG00000183298.5	49
## ENSG00000118733.17	27
## ENSG00000252717.1	0
## ENSG00000271277.1	0
## ENSG00000162699.5	0
## ENSG00000289192.1	0
## ENSG00000233359.2	0
## ENSG00000230864.1	0
## ENSG00000060718.22	1705
## ENSG00000234257.1	0
## ENSG00000230759.1	0
## ENSG00000224613.7	3
## ENSG00000222069.1	0
## ENSG00000185946.16	534
## ENSG00000240038.8	30
## ENSG00000236085.1	0
## ENSG00000243480.8	0
## ENSG00000237763.10	0
## ENSG00000234441.1	0
## ENSG00000174876.17	0
## ENSG00000227408.1	0
## ENSG00000187733.7	0
## ENSG00000225191.1	0
## ENSG00000293061.1	0
## ENSG00000215869.5	0
## ENSG00000228347.1	3
## ENSG00000285981.1	0
## ENSG00000225036.1	0
## ENSG00000230768.9	0
## ENSG00000227850.1	1
## ENSG00000237897.2	6
## ENSG00000232952.1	10
## ENSG00000233047.7	0
## ENSG00000237480.3	0
## ENSG00000230932.2	0
## ENSG00000270342.1	0
## ENSG00000270976.1	0
## ENSG00000233449.1	0
## ENSG00000232551.2	0
## ENSG00000237460.3	0
## ENSG00000198890.9	4600
## ENSG00000162631.20	90
## ENSG00000289612.1	0
## ENSG00000224550.1	34
## ENSG00000134215.16	233
## ENSG00000275455.1	0
## ENSG00000230489.1	0

## ENSG00000226822.4	1
## ENSG00000085491.17	12248
## ENSG00000260879.1	40
## ENSG00000196427.14	0
## ENSG00000238122.1	0
## ENSG00000290547.1	0
## ENSG00000241361.9	0
## ENSG00000290552.1	0
## ENSG00000243967.5	0
## ENSG00000238118.1	0
## ENSG00000224698.1	0
## ENSG00000186086.19	0
## ENSG00000283354.1	0
## ENSG00000227832.1	1
## ENSG00000226483.2	0
## ENSG00000162636.16	1105
## ENSG00000162639.16	341
## ENSG00000285923.1	1
## ENSG00000290126.1	23
## ENSG00000134186.12	7938
## ENSG00000143107.10	37
## ENSG00000232971.2	0
## ENSG00000116266.11	2284
## ENSG00000228076.2	0
## ENSG00000162641.20	0
## ENSG00000203897.4	0
## ENSG00000121957.15	1230
## ENSG00000121940.17	3824
## ENSG00000085433.17	1282
## ENSG00000237349.1	0
## ENSG00000244716.3	238
## ENSG00000228665.2	17
## ENSG00000228054.2	0
## ENSG00000197780.11	2889
## ENSG00000273382.1	61
## ENSG00000215717.7	4365
## ENSG00000278249.1	0
## ENSG00000270066.3	0
## ENSG00000251484.3	2
## ENSG00000179902.13	62
## ENSG00000116299.17	738
## ENSG00000031698.13	20736
## ENSG00000143126.8	4989
## ENSG00000134222.16	2988
## ENSG00000221986.7	7
## ENSG00000134243.12	14168
## ENSG00000143106.13	12710
## ENSG00000143028.9	33
## ENSG00000162650.17	465
## ENSG00000174151.15	1213
## ENSG00000181754.7	986
## ENSG00000156097.13	11
## ENSG00000254942.1	0
## ENSG00000290117.1	5

## ENSG00000065135.12	14917
## ENSG000000206832.1	0
## ENSG000000225113.1	0
## ENSG000000284443.1	0
## ENSG000000134183.13	52
## ENSG000000116337.20	5874
## ENSG000000228703.1	0
## ENSG000000235045.2	5
## ENSG000000168765.19	3198
## ENSG000000213366.13	1300
## ENSG000000134184.13	0
## ENSG000000260246.1	0
## ENSG000000134201.12	5
## ENSG000000241720.2	11
## ENSG000000134202.12	6467
## ENSG000000198758.11	846
## ENSG000000224927.2	0
## ENSG000000228420.1	0
## ENSG000000235005.1	0
## ENSG000000261055.1	2
## ENSG000000184371.14	987
## ENSG000000168710.18	19063
## ENSG000000143093.15	4003
## ENSG000000291326.1	0
## ENSG000000258634.3	895
## ENSG000000156150.9	4
## ENSG000000258673.2	1
## ENSG000000186150.5	0
## ENSG000000197106.7	18
## ENSG000000227091.2	0
## ENSG000000235526.1	0
## ENSG000000224965.1	8
## ENSG000000116396.15	318
## ENSG000000282852.1	0
## ENSG000000200536.1	0
## ENSG000000227963.2	30
## ENSG000000162775.17	1594
## ENSG000000224699.11	81
## ENSG000000168679.18	343
## ENSG000000273373.1	90
## ENSG000000134248.14	4155
## ENSG000000143125.6	1
## ENSG000000270380.1	0
## ENSG000000282887.2	0
## ENSG000000283999.1	2
## ENSG000000240194.8	2
## ENSG000000293424.1	0
## ENSG000000235407.1	5
## ENSG000000143105.7	4
## ENSG000000177301.16	26
## ENSG000000177272.10	100
## ENSG000000288803.1	0
## ENSG000000199710.1	0
## ENSG000000237415.2	2

## ENSG00000232791.4	0
## ENSG00000143119.14	2
## ENSG00000261654.1	35
## ENSG00000232811.1	76
## ENSG00000121931.16	2339
## ENSG00000273010.1	8
## ENSG00000225672.1	0
## ENSG00000252760.1	0
## ENSG00000156171.15	6300
## ENSG00000134255.16	3445
## ENSG00000272982.1	0
## ENSG00000273221.1	0
## ENSG00000162777.17	694
## ENSG00000064886.14	181
## ENSG00000236040.1	0
## ENSG00000290764.1	0
## ENSG00000203878.12	0
## ENSG00000134216.19	0
## ENSG00000229283.1	0
## ENSG00000232240.2	0
## ENSG00000173947.14	2663
## ENSG00000234020.1	26
## ENSG00000236012.2	0
## ENSG00000227179.7	0
## ENSG00000290561.1	0
## ENSG00000085465.13	260
## ENSG00000260948.1	142
## ENSG00000233337.1	62
## ENSG00000243960.1	34
## ENSG00000116455.14	8815
## ENSG00000199890.1	3
## ENSG00000116459.11	22674
## ENSG00000143110.12	15
## ENSG00000121933.19	2
## ENSG00000200360.1	0
## ENSG00000282608.2	0
## ENSG00000116473.15	5300
## ENSG00000231346.5	1
## ENSG00000215867.4	3
## ENSG00000201028.1	0
## ENSG00000197852.12	2818
## ENSG00000227811.3	63
## ENSG00000284830.1	15
## ENSG00000064703.13	4639
## ENSG00000171385.11	536
## ENSG00000232558.1	0
## ENSG00000237556.1	0
## ENSG00000231437.3	13
## ENSG00000231246.3	0
## ENSG00000234388.2	0
## ENSG00000238761.1	0
## ENSG00000143079.15	6176
## ENSG00000283296.1	0
## ENSG00000134245.18	191

## ENSG00000273483.1	9
## ENSG00000007341.19	810
## ENSG00000116489.13	17503
## ENSG00000235299.2	0
## ENSG00000252750.1	0
## ENSG00000155363.19	7926
## ENSG00000225075.1	1
## ENSG00000155366.17	9433
## ENSG00000271810.5	0
## ENSG00000155367.16	189
## ENSG00000261595.1	0
## ENSG00000184599.14	30
## ENSG00000234790.1	0
## ENSG00000215866.9	92
## ENSG00000224167.3	9
## ENSG00000228040.1	1
## ENSG00000155380.13	32844
## ENSG00000229020.4	5
## ENSG00000226419.8	120
## ENSG00000287807.1	1
## ENSG00000238198.2	16
## ENSG00000198799.12	2295
## ENSG00000237278.2	0
## ENSG00000233839.1	0
## ENSG00000236887.1	1
## ENSG00000081026.19	1906
## ENSG00000232499.2	44
## ENSG00000238256.1	0
## ENSG00000116793.16	3540
## ENSG00000232450.1	71
## ENSG00000081019.14	4528
## ENSG00000231128.7	1
## ENSG00000134242.16	1
## ENSG00000226167.1	5
## ENSG00000188761.13	3
## ENSG00000134262.14	465
## ENSG00000118655.8	1715
## ENSG00000235527.7	3
## ENSG00000163349.22	7404
## ENSG00000116774.12	2640
## ENSG00000270780.1	0
## ENSG00000282048.2	1
## ENSG00000134207.17	192
## ENSG00000232895.2	0
## ENSG00000273698.1	0
## ENSG00000271419.1	0
## ENSG00000197323.12	8313
## ENSG00000226984.1	0
## ENSG00000225650.2	0
## ENSG00000201114.1	0
## ENSG00000236480.1	22
## ENSG00000116752.6	4134
## ENSG00000175984.16	2668
## ENSG00000116748.22	2

## ENSG00000242769.3	0
## ENSG00000213281.5	21328
## ENSG00000009307.17	116635
## ENSG00000201900.1	0
## ENSG00000052723.12	5364
## ENSG00000227970.1	0
## ENSG00000198765.12	5
## ENSG00000134200.4	9
## ENSG00000134198.10	9131
## ENSG00000233730.2	12
## ENSG00000285698.1	2
## ENSG00000228035.1	11
## ENSG00000134259.6	48
## ENSG00000287103.1	0
## ENSG00000226973.1	0
## ENSG00000274468.1	0
## ENSG00000229101.1	0
## ENSG00000232185.1	1
## ENSG00000270631.1	0
## ENSG00000239984.3	0
## ENSG00000207502.1	0
## ENSG00000173218.15	4498
## ENSG00000118729.13	29
## ENSG00000177551.5	54
## ENSG00000214204.4	6
## ENSG00000228127.3	1
## ENSG00000271143.1	0
## ENSG00000163393.13	118
## ENSG00000237993.1	0
## ENSG00000173212.5	3
## ENSG00000235933.2	0
## ENSG00000221040.2	7
## ENSG00000287217.1	28
## ENSG00000163399.16	91619
## ENSG00000203865.13	217
## ENSG00000212385.1	0
## ENSG00000233154.6	8
## ENSG00000230381.2	0
## ENSG00000200547.1	0
## ENSG00000224950.2	6
## ENSG00000286276.1	1
## ENSG00000116815.16	287
## ENSG00000177173.5	19
## ENSG00000264419.1	0
## ENSG00000143061.18	10159
## ENSG00000211543.2	0
## ENSG00000203864.3	0
## ENSG00000231072.1	0
## ENSG00000223489.1	0
## ENSG00000116824.5	0
## ENSG00000225079.2	2
## ENSG00000272715.1	4
## ENSG00000134247.10	7709
## ENSG00000252510.1	0

## ENSG00000134256.13	108
## ENSG00000236137.1	13
## ENSG00000116830.12	4760
## ENSG00000215930.1	0
## ENSG00000134253.10	1698
## ENSG00000228453.1	0
## ENSG00000134258.18	678
## ENSG00000277141.1	0
## ENSG00000235202.2	3
## ENSG00000271427.1	6
## ENSG00000198162.12	11452
## ENSG00000279513.1	6
## ENSG00000226755.2	0
## ENSG00000236866.5	1
## ENSG00000183508.5	1423
## ENSG00000213262.3	0
## ENSG00000212266.1	0
## ENSG00000270719.1	0
## ENSG00000228217.1	15
## ENSG00000196505.11	2593
## ENSG00000065183.16	9978
## ENSG00000155761.14	56
## ENSG00000287980.1	0
## ENSG00000222209.1	0
## ENSG00000226126.2	2
## ENSG00000229911.2	0
## ENSG00000092607.15	1
## ENSG00000226172.2	0
## ENSG00000239216.1	0
## ENSG00000116874.12	3050
## ENSG00000224238.2	0
## ENSG00000223575.2	2
## ENSG00000236804.1	1
## ENSG00000231365.7	789
## ENSG00000227056.2	0
## ENSG00000227712.3	11
## ENSG00000232650.6	9
## ENSG00000194297.2	0
## ENSG00000116882.15	3
## ENSG00000230921.1	0
## ENSG00000203859.10	2
## ENSG00000293080.1	1
## ENSG00000232780.3	2
## ENSG00000203858.3	2
## ENSG00000235595.1	2
## ENSG00000187481.2	0
## ENSG00000229570.2	0
## ENSG00000203857.10	3
## ENSG00000226443.3	1
## ENSG00000249798.1	0
## ENSG00000239873.2	0
## ENSG00000203855.7	8
## ENSG00000240244.3	0
## ENSG00000260941.1	21

## ENSG00000198857.3	27
## ENSG00000143067.5	3455
## ENSG00000092621.13	50545
## ENSG00000134240.12	10561
## ENSG00000134193.15	91
## ENSG00000215864.6	0
## ENSG00000227205.4	0
## ENSG00000226446.1	0
## ENSG00000134249.7	0
## ENSG00000134250.21	21849
## ENSG00000273406.1	0
## ENSG00000207149.1	0
## ENSG00000265808.4	6323
## ENSG00000274642.1	1
## ENSG00000277313.1	0
## ENSG00000290569.1	29
## ENSG00000223804.6	0
## ENSG00000273727.1	2
## ENSG00000270231.5	904
## ENSG00000293296.1	5
## ENSG00000270392.3	0
## ENSG00000275131.4	68
## ENSG00000290999.1	25
## ENSG00000273694.1	0
## ENSG00000275933.1	0
## ENSG00000286106.3	11
## ENSG00000273136.9	589
## ENSG00000287979.1	1
## ENSG00000275538.1	0
## ENSG00000263353.4	2
## ENSG00000281741.2	1
## ENSG00000226067.7	154
## ENSG00000277610.1	1
## ENSG00000290903.1	0
## ENSG00000285215.3	0
## ENSG00000290904.1	0
## ENSG00000273516.1	0
## ENSG00000275585.3	0
## ENSG00000275296.1	0
## ENSG00000291135.1	0
## ENSG00000198019.15	0
## ENSG00000234998.1	1
## ENSG00000233029.3	1
## ENSG00000291123.1	0
## ENSG00000223345.6	0
## ENSG00000227193.2	1
## ENSG00000213244.3	0
## ENSG00000268993.1	0
## ENSG00000188610.12	310
## ENSG00000171943.12	746
## ENSG00000275129.1	0
## ENSG00000230806.1	3
## ENSG00000227082.3	3
## ENSG00000228826.3	0

## ENSG00000233432.2	1
## ENSG00000272583.2	29
## ENSG00000291141.1	63
## ENSG00000231752.9	0
## ENSG00000224857.1	0
## ENSG00000276118.1	0
## ENSG00000277095.1	0
## ENSG00000277702.1	40
## ENSG00000252830.2	0
## ENSG00000264145.2	0
## ENSG00000274927.1	0
## ENSG00000242943.1	0
## ENSG00000223495.2	0
## ENSG00000235887.2	0
## ENSG00000203825.4	0
## ENSG00000179571.10	1
## ENSG00000226028.2	0
## ENSG00000202167.1	0
## ENSG00000207349.1	0
## ENSG00000252826.1	0
## ENSG00000206737.1	0
## ENSG00000232721.3	34
## ENSG00000223779.6	0
## ENSG00000242352.2	2
## ENSG00000270962.1	0
## ENSG00000263590.2	1
## ENSG00000252105.1	0
## ENSG00000233430.3	0
## ENSG00000237503.2	0
## ENSG00000265531.3	3
## ENSG00000290735.1	7
## ENSG00000273213.4	159
## ENSG00000234571.3	0
## ENSG00000230186.3	0
## ENSG00000268074.1	0
## ENSG00000263513.6	72
## ENSG00000289318.2	23
## ENSG00000270872.2	57
## ENSG00000276674.1	0
## ENSG00000275075.1	0
## ENSG00000275767.1	0
## ENSG00000232527.8	1
## ENSG00000276442.1	0
## ENSG00000175658.4	0
## ENSG00000290869.1	0
## ENSG00000276756.5	0
## ENSG00000271567.2	0
## ENSG00000271439.1	0
## ENSG00000207205.1	2
## ENSG00000237343.1	0
## ENSG00000233586.1	1
## ENSG00000266338.7	2231
## ENSG00000227212.3	3
## ENSG00000229002.1	0

## ENSG00000275291.1	2
## ENSG00000290121.1	1
## ENSG00000278099.1	0
## ENSG00000277918.1	0
## ENSG00000279782.3	0
## ENSG00000277199.1	0
## ENSG00000224363.2	0
## ENSG00000278273.1	0
## ENSG00000222854.1	0
## ENSG00000288905.2	67
## ENSG00000273825.1	0
## ENSG00000287607.1	0
## ENSG00000196369.12	358
## ENSG00000271644.1	0
## ENSG00000215784.6	112
## ENSG00000283752.1	0
## ENSG00000290867.1	108
## ENSG00000277678.1	1
## ENSG00000272419.7	0
## ENSG00000281571.2	51
## ENSG00000223612.3	73
## ENSG00000289549.1	0
## ENSG00000271291.1	0
## ENSG00000207501.1	0
## ENSG00000276216.1	0
## ENSG00000236140.1	5
## ENSG00000162825.18	309
## ENSG00000234367.1	3
## ENSG00000270384.1	0
## ENSG00000286620.1	0
## ENSG00000270722.1	0
## ENSG00000287374.1	0
## ENSG00000278182.1	0
## ENSG00000275064.1	1
## ENSG00000291005.1	48
## ENSG00000272150.6	0
## ENSG00000117262.19	641
## ENSG00000174827.14	779
## ENSG00000117281.16	12
## ENSG00000265491.5	4719
## ENSG00000186141.10	4071
## ENSG00000186364.12	88
## ENSG00000131788.16	1985
## ENSG00000278549.1	0
## ENSG00000198483.13	18
## ENSG00000143127.13	21
## ENSG00000244619.2	0
## ENSG00000131779.11	1708
## ENSG00000289565.1	2
## ENSG00000293505.1	43
## ENSG00000211451.14	0
## ENSG00000265241.8	7700
## ENSG00000234222.6	6
## ENSG00000280778.1	0

## ENSG00000271601.4	462
## ENSG00000272031.3	35
## ENSG00000278431.1	0
## ENSG00000121851.13	921
## ENSG00000265972.6	6466
## ENSG00000168509.20	0
## ENSG00000287190.1	0
## ENSG00000201558.1	0
## ENSG00000233396.9	264
## ENSG00000271425.9	265
## ENSG00000264343.7	72
## ENSG00000276509.1	4
## ENSG00000201789.1	0
## ENSG00000271121.2	0
## ENSG00000290578.1	35
## ENSG00000277406.3	0
## ENSG00000270339.4	0
## ENSG00000273768.1	2
## ENSG00000287978.1	29
## ENSG00000274428.1	0
## ENSG00000277655.1	1
## ENSG00000291242.1	2
## ENSG00000289321.1	0
## ENSG00000274408.1	0
## ENSG00000276975.4	2
## ENSG00000290557.1	0
## ENSG00000274450.1	0
## ENSG00000291243.1	0
## ENSG00000268043.9	991
## ENSG00000244371.2	0
## ENSG00000234225.2	0
## ENSG00000227242.4	4
## ENSG00000225603.3	6
## ENSG00000201142.1	0
## ENSG00000230832.3	14
## ENSG00000286172.1	0
## ENSG00000283342.1	1
## ENSG00000131791.8	5224
## ENSG00000293279.1	104
## ENSG00000237188.5	1
## ENSG00000131781.13	317
## ENSG00000180867.12	273
## ENSG00000226015.2	93
## ENSG00000236806.1	0
## ENSG00000131778.20	143
## ENSG00000278811.4	33
## ENSG00000213226.4	1
## ENSG00000226653.3	0
## ENSG00000207209.1	0
## ENSG00000272443.1	0
## ENSG00000272480.1	0
## ENSG00000116128.12	7451
## ENSG00000289419.1	29
## ENSG00000288626.1	0

## ENSG00000162836.12	858
## ENSG00000277762.1	0
## ENSG00000227139.1	0
## ENSG00000265107.3	39
## ENSG00000274415.1	0
## ENSG00000234190.1	0
## ENSG00000223728.3	0
## ENSG00000121634.6	1
## ENSG00000188092.15	555
## ENSG00000290705.1	9
## ENSG00000215859.10	0
## ENSG00000273059.1	0
## ENSG00000274372.5	6
## ENSG00000206791.1	1
## ENSG00000206585.1	0
## ENSG00000229828.2	3
## ENSG00000263956.8	613
## ENSG00000225080.1	1
## ENSG00000198658.4	6
## ENSG00000232265.8	91
## ENSG00000227733.12	33
## ENSG00000238765.1	0
## ENSG00000224335.2	0
## ENSG00000227700.1	0
## ENSG00000199879.1	2
## ENSG00000234283.1	0
## ENSG00000228626.1	14
## ENSG00000274020.4	112
## ENSG00000238107.1	1
## ENSG00000224481.4	5
## ENSG00000235988.1	1
## ENSG00000252744.1	0
## ENSG00000283676.1	0
## ENSG00000202408.2	0
## ENSG00000272824.1	4
## ENSG00000207340.1	1
## ENSG00000252135.1	0
## ENSG00000278596.1	0
## ENSG00000238825.1	0
## ENSG00000291232.1	49
## ENSG00000201183.1	0
## ENSG00000231551.9	0
## ENSG00000225871.2	2
## ENSG00000285062.1	0
## ENSG00000280649.2	71
## ENSG00000236334.3	3
## ENSG00000274210.1	1
## ENSG00000270629.7	332
## ENSG00000286019.2	104
## ENSG00000252515.2	0
## ENSG00000177144.8	2
## ENSG00000275140.1	2
## ENSG00000271546.1	0
## ENSG00000178104.22	3651

## ENSG00000252656.1	0
## ENSG00000222788.1	0
## ENSG00000254913.1	0
## ENSG00000289642.1	0
## ENSG00000255148.2	0
## ENSG00000254539.1	3
## ENSG00000269713.9	2505
## ENSG00000274019.1	3
## ENSG00000201699.1	0
## ENSG00000274265.5	53
## ENSG00000289614.2	15
## ENSG00000291233.1	27
## ENSG00000215861.9	5
## ENSG00000272755.1	2
## ENSG00000273591.1	0
## ENSG00000274423.1	4
## ENSG00000286219.2	69
## ENSG00000286185.1	0
## ENSG00000271383.9	17
## ENSG00000288867.1	4
## ENSG00000291158.1	186
## ENSG00000284964.1	0
## ENSG00000275557.1	65
## ENSG00000206828.1	4
## ENSG00000277147.9	0
## ENSG00000284842.1	0
## ENSG00000290790.1	0
## ENSG00000275229.1	0
## ENSG00000234232.8	0
## ENSG00000226500.2	0
## ENSG00000150337.14	0
## ENSG00000203814.7	9
## ENSG00000233030.2	2
## ENSG00000183598.4	2
## ENSG00000270882.3	5
## ENSG00000203811.2	0
## ENSG00000288825.1	1
## ENSG00000290791.1	38
## ENSG00000220323.5	0
## ENSG00000290792.1	232
## ENSG00000261716.3	0
## ENSG00000288859.1	0
## ENSG00000203852.4	0
## ENSG00000270276.3	1
## ENSG00000264207.1	0
## ENSG00000184678.11	327
## ENSG00000184260.6	62
## ENSG00000184270.6	1
## ENSG00000178096.9	502
## ENSG00000159164.10	2683
## ENSG00000143368.10	8212
## ENSG00000014914.21	64
## ENSG00000264522.6	4830
## ENSG00000285184.5	676

## ENSG00000223945.2	3
## ENSG00000136631.16	3112
## ENSG00000023902.14	7472
## ENSG00000285554.1	29
## ENSG00000266187.2	0
## ENSG00000143401.15	15609
## ENSG00000222222.1	0
## ENSG00000276110.1	2
## ENSG00000118298.12	962
## ENSG00000117362.13	18248
## ENSG00000118292.9	48
## ENSG00000289041.1	4
## ENSG00000159208.16	133
## ENSG00000266472.6	5734
## ENSG00000117360.13	4815
## ENSG00000163125.16	7163
## ENSG00000143374.18	3468
## ENSG00000283933.1	0
## ENSG00000143369.15	103
## ENSG00000228126.1	12
## ENSG00000237781.3	4
## ENSG00000143382.16	1685
## ENSG00000264553.1	0
## ENSG00000203804.5	0
## ENSG00000143384.14	28877
## ENSG00000289457.2	0
## ENSG00000277452.1	0
## ENSG00000274963.1	0
## ENSG00000290074.1	3
## ENSG00000253047.1	6
## ENSG00000143420.19	14940
## ENSG00000276103.1	1
## ENSG00000288880.2	56
## ENSG00000143457.11	3754
## ENSG00000143452.16	0
## ENSG00000206931.1	0
## ENSG00000163131.12	94
## ENSG00000236713.1	0
## ENSG00000143387.14	143
## ENSG00000224690.2	0
## ENSG00000143437.21	3992
## ENSG00000200175.1	0
## ENSG00000224800.1	0
## ENSG00000283324.1	0
## ENSG00000229357.1	0
## ENSG00000143379.13	5107
## ENSG00000143418.20	14633
## ENSG00000259357.2	0
## ENSG00000231073.1	7
## ENSG00000143412.10	615
## ENSG00000143409.18	836
## ENSG00000143363.17	3130
## ENSG00000200759.1	0
## ENSG00000163141.20	29

## ENSG00000143443.10	438
## ENSG00000197622.13	12341
## ENSG00000213190.4	14812
## ENSG00000143458.12	406
## ENSG00000233717.1	0
## ENSG00000261168.1	18
## ENSG00000143434.17	1377
## ENSG00000289288.2	4
## ENSG00000163154.6	5
## ENSG00000163156.12	2623
## ENSG00000163155.12	1270
## ENSG00000163157.15	33
## ENSG00000163159.15	7338
## ENSG00000143398.20	9716
## ENSG00000159352.16	14099
## ENSG00000232671.8	23
## ENSG00000143373.18	5422
## ENSG00000143393.17	6249
## ENSG00000265753.2	0
## ENSG00000273481.1	1
## ENSG00000143390.18	4991
## ENSG00000224645.1	0
## ENSG00000237976.2	185
## ENSG00000143416.21	4188
## ENSG00000159377.11	20650
## ENSG00000143442.24	9618
## ENSG00000238711.1	0
## ENSG00000143375.15	7813
## ENSG00000252840.1	0
## ENSG00000143367.17	2684
## ENSG00000232536.1	2
## ENSG00000207606.1	0
## ENSG00000223861.1	5
## ENSG00000143376.14	3894
## ENSG00000250734.2	0
## ENSG00000206635.1	0
## ENSG00000159409.15	840
## ENSG00000227045.1	1
## ENSG00000178796.13	42
## ENSG00000206980.1	0
## ENSG00000269621.1	0
## ENSG00000236940.1	1
## ENSG00000143436.11	3609
## ENSG00000143450.19	77
## ENSG00000249602.1	20
## ENSG00000232937.1	0
## ENSG00000268288.1	1
## ENSG00000182134.17	1260
## ENSG00000203288.6	13
## ENSG00000269489.1	0
## ENSG00000213171.3	0
## ENSG00000143365.20	1
## ENSG00000225556.2	28
## ENSG00000201134.1	4

## ENSG00000234614.1	127
## ENSG00000196407.12	98
## ENSG00000159445.13	1765
## ENSG00000285651.1	1
## ENSG00000286581.1	4
## ENSG00000223810.2	0
## ENSG00000197747.9	47702
## ENSG00000229021.2	14
## ENSG00000240667.1	0
## ENSG00000163191.6	23286
## ENSG00000232678.2	1
## ENSG00000285818.1	0
## ENSG00000182898.4	0
## ENSG00000159450.13	18
## ENSG00000226716.1	0
## ENSG00000293250.1	0
## ENSG00000233792.4	0
## ENSG00000215853.3	0
## ENSG00000237975.7	2
## ENSG00000236427.1	0
## ENSG00000197915.7	4
## ENSG00000143631.11	3
## ENSG00000143520.6	2
## ENSG00000183586.8	1
## ENSG00000143536.7	0
## ENSG00000186207.5	0
## ENSG00000169509.6	0
## ENSG00000185966.4	0
## ENSG00000163202.5	0
## ENSG00000244057.5	0
## ENSG00000187238.5	0
## ENSG00000185962.1	0
## ENSG00000226947.1	0
## ENSG00000285753.1	0
## ENSG00000187223.4	0
## ENSG00000187180.4	0
## ENSG00000159455.9	0
## ENSG00000187173.4	0
## ENSG00000187170.6	0
## ENSG00000198854.5	0
## ENSG00000229713.1	0
## ENSG00000233819.1	0
## ENSG00000203786.7	0
## ENSG00000240386.4	0
## ENSG00000186226.9	0
## ENSG00000172155.10	0
## ENSG00000197084.6	0
## ENSG00000196734.9	0
## ENSG00000186844.6	0
## ENSG00000235942.3	0
## ENSG00000285946.2	0
## ENSG00000163206.6	0
## ENSG00000289062.2	0
## ENSG00000163207.7	0

## ENSG00000224308.1	0
## ENSG00000283227.2	0
## ENSG00000184148.4	0
## ENSG00000169474.5	0
## ENSG00000163209.15	0
## ENSG00000252920.1	0
## ENSG00000234262.1	0
## ENSG00000169469.9	2
## ENSG00000163216.7	0
## ENSG00000241794.2	0
## ENSG00000196805.8	1
## ENSG00000203785.9	13
## ENSG00000244094.2	1624
## ENSG00000229035.2	0
## ENSG00000159516.9	1
## ENSG00000229699.1	0
## ENSG00000203784.3	0
## ENSG00000203783.5	0
## ENSG00000230779.1	0
## ENSG00000203782.6	0
## ENSG00000159527.4	0
## ENSG00000163218.15	1
## ENSG00000207321.1	0
## ENSG00000163220.11	0
## ENSG00000163221.9	0
## ENSG00000237008.2	6
## ENSG00000143546.10	0
## ENSG00000224784.2	0
## ENSG00000184330.12	0
## ENSG00000203781.4	0
## ENSG00000197364.8	0
## ENSG00000143556.9	0
## ENSG00000263841.2	0
## ENSG00000238279.3	10
## ENSG00000197956.10	13883
## ENSG00000196420.8	1
## ENSG00000196154.12	1212
## ENSG00000188015.10	167
## ENSG00000196754.13	28
## ENSG00000285867.1	76
## ENSG00000188643.11	10036
## ENSG00000189334.9	3197
## ENSG00000189171.15	2272
## ENSG00000271853.5	14
## ENSG00000160678.12	19
## ENSG00000272030.1	4
## ENSG00000160679.14	8594
## ENSG00000143553.11	2447
## ENSG00000143621.17	47701
## ENSG00000169418.10	99
## ENSG00000274940.1	0
## ENSG00000242565.3	0
## ENSG00000235015.1	0
## ENSG00000199565.1	0

## ENSG00000143624.14	8185
## ENSG00000243613.1	0
## ENSG00000233222.2	0
## ENSG00000143554.14	1689
## ENSG00000207039.1	0
## ENSG00000143614.11	3456
## ENSG00000291199.1	0
## ENSG00000231827.5	3
## ENSG00000223599.1	3
## ENSG00000236327.2	0
## ENSG00000284738.2	6
## ENSG00000198837.10	3991
## ENSG00000289935.1	10
## ENSG00000160741.17	2269
## ENSG00000143570.19	214
## ENSG00000285779.1	1
## ENSG00000276584.1	0
## ENSG00000282386.1	60
## ENSG00000273026.1	59
## ENSG00000143578.16	1412
## ENSG00000143543.15	1424
## ENSG00000285641.1	1
## ENSG00000272654.2	96
## ENSG00000143545.10	2662
## ENSG00000177954.14	69436
## ENSG00000143552.10	14
## ENSG00000231416.1	1
## ENSG00000200220.1	0
## ENSG00000231837.2	0
## ENSG00000263987.1	0
## ENSG00000143549.22	72454
## ENSG00000264384.2	0
## ENSG00000215938.3	0
## ENSG00000163263.7	7
## ENSG00000143612.21	18709
## ENSG00000143569.20	27386
## ENSG00000201129.1	0
## ENSG00000143575.16	5315
## ENSG00000252682.1	0
## ENSG00000212292.1	0
## ENSG00000222457.1	0
## ENSG00000278694.1	0
## ENSG00000143595.13	42
## ENSG00000143515.20	5027
## ENSG00000238365.3	0
## ENSG00000237920.2	0
## ENSG00000226855.1	15
## ENSG00000228013.1	6
## ENSG00000160712.13	1859
## ENSG00000228264.1	2
## ENSG00000169291.10	8
## ENSG00000273110.1	0
## ENSG00000163239.12	0
## ENSG00000160714.10	9167

## ENSG00000229780.1	2
## ENSG00000286391.3	7
## ENSG00000160716.6	521
## ENSG00000233875.1	0
## ENSG00000160710.18	38932
## ENSG00000287064.1	4
## ENSG00000143603.19	248
## ENSG00000163344.6	2263
## ENSG00000270361.1	2
## ENSG00000163346.17	8683
## ENSG00000268154.2	2
## ENSG00000163348.4	6081
## ENSG00000271380.1	15
## ENSG00000160691.19	10676
## ENSG00000173207.13	7528
## ENSG00000264349.1	4
## ENSG00000160688.19	5170
## ENSG00000163352.6	1
## ENSG00000289103.2	6
## ENSG00000160685.14	3739
## ENSG00000163354.15	11
## ENSG00000163357.11	23
## ENSG00000232093.1	65
## ENSG00000143537.14	8243
## ENSG00000243364.8	2241
## ENSG00000251246.1	0
## ENSG00000143590.14	388
## ENSG00000202027.1	0
## ENSG00000169242.12	1009
## ENSG00000169241.19	2933
## ENSG00000179085.8	673
## ENSG00000223452.3	0
## ENSG00000163463.13	139
## ENSG00000273088.2	0
## ENSG00000163462.19	1075
## ENSG00000185499.17	1376
## ENSG00000231064.9	31
## ENSG00000284586.1	0
## ENSG00000169231.13	1428
## ENSG00000173171.15	1890
## ENSG00000236263.1	0
## ENSG00000291137.1	49
## ENSG00000160766.17	0
## ENSG00000236675.1	193
## ENSG00000177628.16	2765
## ENSG00000160767.23	5430
## ENSG00000116521.11	4673
## ENSG00000176444.19	2995
## ENSG00000143630.10	187
## ENSG00000143627.19	2
## ENSG00000160752.15	14489
## ENSG00000225855.7	146
## ENSG00000160753.17	3275
## ENSG00000116539.14	3326

## ENSG00000283701.1	0
## ENSG00000207134.1	0
## ENSG00000227773.1	0
## ENSG00000207144.1	0
## ENSG00000237872.4	0
## ENSG00000235919.5	63
## ENSG00000125459.18	1176
## ENSG00000271267.1	7
## ENSG00000225082.2	2
## ENSG00000223503.1	11
## ENSG00000232519.2	2
## ENSG00000246203.2	23
## ENSG00000287839.2	2
## ENSG00000163374.20	3665
## ENSG00000132676.16	10816
## ENSG00000227673.1	0
## ENSG00000203761.5	156
## ENSG00000116580.20	5629
## ENSG00000234937.1	0
## ENSG00000132718.9	5370
## ENSG00000283442.1	0
## ENSG00000143622.12	3223
## ENSG00000132680.11	3373
## ENSG00000207475.1	0
## ENSG00000280466.1	0
## ENSG00000281394.1	0
## ENSG00000173080.6	2
## ENSG00000116584.22	7514
## ENSG00000277817.1	0
## ENSG00000273002.1	25
## ENSG00000224276.1	0
## ENSG00000285677.2	48
## ENSG00000163479.14	24629
## ENSG00000160803.8	10264
## ENSG00000116586.12	3649
## ENSG00000132698.15	6446
## ENSG00000254726.3	17459
## ENSG00000160789.24	6526
## ENSG00000196189.14	84
## ENSG00000252236.1	0
## ENSG00000160785.14	4182
## ENSG00000260238.6	35
## ENSG00000160783.19	1453
## ENSG00000242252.2	2
## ENSG00000160781.17	62
## ENSG00000198952.8	15564
## ENSG00000163472.19	338
## ENSG00000198715.13	3628
## ENSG00000189030.10	0
## ENSG00000163468.15	57241
## ENSG00000163467.12	29
## ENSG00000132677.13	5
## ENSG00000237390.1	0
## ENSG00000125462.20	14

## ENSG00000207933.3	0
## ENSG00000116604.19	2414
## ENSG00000206651.1	0
## ENSG00000288835.1	0
## ENSG00000289593.2	1
## ENSG00000260460.1	1
## ENSG00000183856.11	4714
## ENSG00000187862.13	2
## ENSG00000163382.13	9048
## ENSG00000160818.17	2
## ENSG00000272971.1	0
## ENSG00000132702.13	4
## ENSG00000272068.1	11
## ENSG00000132692.19	28
## ENSG00000272405.1	153
## ENSG00000229953.1	23
## ENSG00000132688.11	26247
## ENSG00000237588.2	2
## ENSG00000285570.1	1
## ENSG00000143320.9	10237
## ENSG00000223356.1	5
## ENSG00000143319.17	7324
## ENSG00000143303.12	1496
## ENSG00000143314.12	2834
## ENSG00000143321.19	60921
## ENSG00000143294.15	8152
## ENSG00000287624.1	0
## ENSG00000027869.12	159
## ENSG00000198400.14	40
## ENSG00000027644.5	56
## ENSG00000187800.14	26
## ENSG00000160838.14	4
## ENSG00000132694.19	4496
## ENSG00000211581.1	2
## ENSG00000266160.2	0
## ENSG00000237842.2	10
## ENSG00000224520.2	298
## ENSG00000253831.3	1
## ENSG00000117036.12	4342
## ENSG00000235700.1	4
## ENSG00000290592.1	0
## ENSG00000229961.4	0
## ENSG00000284592.2	0
## ENSG00000228239.1	0
## ENSG00000271736.2	9
## ENSG00000286073.1	3
## ENSG00000286151.1	4
## ENSG00000286005.1	0
## ENSG00000143297.19	0
## ENSG00000163518.11	0
## ENSG00000236731.1	0
## ENSG00000233712.2	0
## ENSG00000160856.21	0
## ENSG00000227217.1	0

## ENSG00000231700.3	2
## ENSG00000232366.1	0
## ENSG00000132704.16	0
## ENSG00000163534.15	0
## ENSG00000073754.6	0
## ENSG00000227425.1	0
## ENSG00000236957.8	0
## ENSG00000291226.1	0
## ENSG00000183853.18	11021
## ENSG00000226520.1	0
## ENSG00000288460.1	0
## ENSG00000231666.7	0
## ENSG00000227295.2	11
## ENSG00000158473.8	30
## ENSG00000229914.1	0
## ENSG00000176320.2	0
## ENSG00000158477.7	0
## ENSG00000230942.1	0
## ENSG00000158481.13	0
## ENSG00000158485.11	0
## ENSG00000158488.16	0
## ENSG00000186306.1	0
## ENSG00000180708.6	0
## ENSG00000203758.4	0
## ENSG00000236257.1	6
## ENSG00000173285.5	0
## ENSG00000198965.5	0
## ENSG00000236656.1	0
## ENSG00000198703.2	0
## ENSG00000227445.1	0
## ENSG00000231434.1	25
## ENSG00000197532.3	0
## ENSG00000186440.3	0
## ENSG00000279111.2	0
## ENSG00000198967.5	0
## ENSG00000163554.15	0
## ENSG00000231237.1	0
## ENSG00000196171.3	0
## ENSG00000203757.2	0
## ENSG00000180437.5	0
## ENSG00000226949.1	0
## ENSG00000197403.5	0
## ENSG00000180433.6	0
## ENSG00000188340.3	0
## ENSG00000229724.1	0
## ENSG00000180409.3	0
## ENSG00000163563.8	0
## ENSG00000229849.1	0
## ENSG00000163564.15	1
## ENSG00000163565.20	650
## ENSG00000289721.1	0
## ENSG00000163568.16	87
## ENSG00000233473.2	1
## ENSG00000162706.13	805

## ENSG00000222552.1	0
## ENSG00000225670.4	4
## ENSG00000213088.13	21
## ENSG00000215846.6	0
## ENSG00000248642.1	0
## ENSG00000179639.11	3
## ENSG00000196266.6	0
## ENSG00000228560.1	0
## ENSG00000248442.2	0
## ENSG00000251686.1	0
## ENSG00000249197.1	0
## ENSG00000249730.1	0
## ENSG00000196184.10	0
## ENSG00000224943.1	0
## ENSG00000289484.1	1
## ENSG00000184155.8	0
## ENSG00000231100.1	0
## ENSG00000271890.1	0
## ENSG00000132703.4	2
## ENSG00000158731.2	0
## ENSG00000276632.1	0
## ENSG00000223603.1	0
## ENSG00000132693.12	0
## ENSG00000235226.1	0
## ENSG00000288775.2	5
## ENSG00000158716.9	1472
## ENSG00000181036.14	0
## ENSG00000158714.11	0
## ENSG00000256029.6	5
## ENSG00000188004.11	0
## ENSG00000212161.1	0
## ENSG00000243284.1	0
## ENSG00000272668.2	3
## ENSG00000213085.10	237
## ENSG00000290105.1	4
## ENSG00000266458.1	0
## ENSG00000287040.1	0
## ENSG00000279430.1	0
## ENSG00000158710.15	61115
## ENSG00000085552.18	10372
## ENSG00000162723.10	5
## ENSG00000224259.9	2
## ENSG00000273933.1	0
## ENSG00000177807.10	2
## ENSG00000237409.2	0
## ENSG00000143315.8	2611
## ENSG00000225279.2	2
## ENSG00000162728.5	5
## ENSG00000162729.14	4870
## ENSG00000018625.15	121
## ENSG00000132681.17	2
## ENSG00000143318.13	58
## ENSG00000227741.1	6
## ENSG00000162734.13	7846

## ENSG00000132716.19	3328
## ENSG00000258465.8	0
## ENSG00000228606.4	41
## ENSG00000224261.2	21
## ENSG00000162735.19	5880
## ENSG00000122218.17	30729
## ENSG00000235082.2	20
## ENSG00000202078.1	0
## ENSG00000162736.18	13935
## ENSG00000171786.6	34
## ENSG00000201608.1	0
## ENSG00000162738.7	12548
## ENSG00000162739.14	0
## ENSG00000234425.1	0
## ENSG00000066294.15	0
## ENSG00000117090.16	2
## ENSG00000235101.1	0
## ENSG00000228863.8	0
## ENSG00000117091.10	0
## ENSG00000026751.17	432
## ENSG00000275801.1	0
## ENSG00000274562.1	0
## ENSG00000122224.18	11
## ENSG00000122223.13	33
## ENSG00000226003.2	0
## ENSG00000179914.5	156
## ENSG00000213080.3	107
## ENSG00000232188.1	2
## ENSG00000198358.4	29
## ENSG00000233691.2	1
## ENSG00000158764.7	343
## ENSG00000158769.19	16495
## ENSG00000270149.5	11
## ENSG00000232879.2	0
## ENSG00000215845.11	830
## ENSG00000158773.14	4759
## ENSG00000289121.1	16
## ENSG00000186517.14	22
## ENSG00000143217.9	102
## ENSG00000228917.1	2
## ENSG00000162755.14	453
## ENSG00000143256.5	3276
## ENSG00000158793.14	2523
## ENSG00000158796.17	2048
## ENSG00000238934.1	0
## ENSG00000143222.12	8434
## ENSG00000224985.1	141
## ENSG00000143258.17	3060
## ENSG00000290115.1	2
## ENSG00000143224.18	1276
## ENSG00000158850.15	5528
## ENSG00000158859.10	34
## ENSG00000158864.13	12520
## ENSG00000158869.11	38

## ENSG00000158874.11	4165
## ENSG00000158882.15	2641
## ENSG00000284035.1	0
## ENSG00000143257.12	119
## ENSG00000248485.2	79
## ENSG00000158887.19	118
## ENSG00000143252.16	11145
## ENSG00000289106.2	338
## ENSG00000188931.4	670
## ENSG00000288670.1	294
## ENSG00000236484.2	0
## ENSG00000289141.2	2
## ENSG00000283696.1	48
## ENSG00000288093.1	10
## ENSG00000206921.1	0
## ENSG00000283360.1	0
## ENSG00000215840.3	17
## ENSG00000277882.1	0
## ENSG00000283317.1	4
## ENSG00000143226.16	35
## ENSG00000273112.1	0
## ENSG00000289273.1	0
## ENSG00000173110.8	30
## ENSG00000224203.2	0
## ENSG00000203747.13	0
## ENSG00000289768.1	0
## ENSG00000224515.1	0
## ENSG00000244682.8	11
## ENSG00000225217.1	3
## ENSG00000231586.2	0
## ENSG00000162747.13	0
## ENSG00000072694.22	9
## ENSG00000234211.2	0
## ENSG00000293173.1	0
## ENSG00000213075.8	0
## ENSG00000199595.1	0
## ENSG00000132185.18	0
## ENSG00000162746.15	41
## ENSG00000241347.3	0
## ENSG00000226889.4	58
## ENSG00000081721.12	1444
## ENSG00000118217.7	6379
## ENSG00000293219.1	1
## ENSG00000229808.2	0
## ENSG00000162745.11	283
## ENSG00000227818.1	0
## ENSG00000198929.13	280
## ENSG00000285636.2	0
## ENSG00000266144.1	0
## ENSG00000227094.1	0
## ENSG00000252262.1	1
## ENSG00000207729.3	0
## ENSG00000254706.3	10
## ENSG00000171722.13	6

## ENSG00000239887.6	1037
## ENSG00000198574.6	0
## ENSG00000289713.1	0
## ENSG00000227243.3	0
## ENSG00000152332.16	4306
## ENSG00000227941.1	0
## ENSG00000259788.1	0
## ENSG00000117143.14	3576
## ENSG00000272574.1	6
## ENSG00000162733.19	255
## ENSG00000243173.3	0
## ENSG00000132196.16	2427
## ENSG00000185860.14	39
## ENSG00000230739.1	0
## ENSG00000227667.1	0
## ENSG00000117152.14	21653
## ENSG00000143248.13	3123
## ENSG00000232892.1	0
## ENSG00000225755.2	0
## ENSG00000232995.7	21
## ENSG00000237756.1	0
## ENSG00000143228.13	1462
## ENSG00000225122.1	0
## ENSG00000200327.1	0
## ENSG00000212527.1	0
## ENSG00000228289.1	0
## ENSG00000212538.2	0
## ENSG00000225719.2	0
## ENSG00000199849.1	0
## ENSG00000213070.3	8
## ENSG00000185630.20	23243
## ENSG00000207082.1	0
## ENSG00000269887.1	17
## ENSG00000276359.1	0
## ENSG00000233693.1	0
## ENSG00000271917.1	1
## ENSG00000201987.1	0
## ENSG00000289408.2	0
## ENSG00000225487.2	1
## ENSG00000201270.1	0
## ENSG00000162761.14	660
## ENSG00000224702.1	0
## ENSG00000238022.2	0
## ENSG00000143171.13	44
## ENSG00000237463.7	0
## ENSG00000230748.1	0
## ENSG00000162763.4	0
## ENSG00000237783.2	0
## ENSG00000236206.2	1
## ENSG00000143198.13	12286
## ENSG00000143149.13	9266
## ENSG00000206990.1	0
## ENSG00000230175.1	0
## ENSG00000225272.2	0

## ENSG00000293132.1	3
## ENSG00000273365.1	0
## ENSG00000215838.5	0
## ENSG00000143183.18	11490
## ENSG00000224358.1	9
## ENSG00000230659.3	0
## ENSG00000143179.16	5628
## ENSG00000236364.4	26
## ENSG00000283936.1	0
## ENSG00000271527.1	0
## ENSG00000226292.1	2
## ENSG00000207341.1	0
## ENSG00000188859.7	2152
## ENSG00000203307.2	2
## ENSG00000230898.1	5
## ENSG00000215952.1	0
## ENSG00000229588.3	116
## ENSG00000215835.2	42
## ENSG00000225325.1	0
## ENSG00000230231.1	1
## ENSG00000234142.2	2
## ENSG00000238087.3	3
## ENSG00000290604.1	58
## ENSG00000215834.11	0
## ENSG00000234984.1	0
## ENSG00000232341.2	10
## ENSG00000232148.1	0
## ENSG00000232223.1	0
## ENSG00000143157.12	8685
## ENSG00000152382.6	2515
## ENSG00000225171.2	5
## ENSG00000143195.13	314
## ENSG00000143194.13	1
## ENSG00000200036.1	0
## ENSG00000227907.1	0
## ENSG00000143167.12	1
## ENSG00000198842.10	0
## ENSG00000213068.3	0
## ENSG00000231605.6	2
## ENSG00000272205.2	8
## ENSG00000143190.23	5523
## ENSG00000272033.1	2
## ENSG00000198821.12	23
## ENSG00000287218.1	3
## ENSG00000233411.1	0
## ENSG00000273160.1	0
## ENSG00000227776.1	0
## ENSG00000143162.9	3427
## ENSG00000231029.2	0
## ENSG00000241666.2	0
## ENSG00000198771.11	5
## ENSG00000197965.12	21446
## ENSG00000143199.18	32
## ENSG00000250762.1	4

## ENSG00000232194.1	2
## ENSG00000143158.11	5058
## ENSG00000143164.16	4373
## ENSG00000221545.1	0
## ENSG00000224837.1	32
## ENSG00000143147.15	4473
## ENSG00000143155.13	4123
## ENSG00000237049.1	1
## ENSG00000237131.1	0
## ENSG00000213064.10	4537
## ENSG00000293109.1	0
## ENSG00000214262.5	0
## ENSG00000206880.1	0
## ENSG00000143178.13	128
## ENSG00000293102.1	0
## ENSG00000227722.3	0
## ENSG00000207974.1	0
## ENSG00000228697.6	1
## ENSG00000283255.1	0
## ENSG00000215833.3	0
## ENSG00000143185.4	0
## ENSG00000227777.1	2
## ENSG00000143184.5	10
## ENSG00000229757.2	0
## ENSG00000143196.5	0
## ENSG00000285622.2	0
## ENSG00000235736.1	0
## ENSG00000225826.2	0
## ENSG00000229612.1	2
## ENSG00000287831.1	0
## ENSG00000203601.3	0
## ENSG00000213063.3	0
## ENSG00000287282.1	0
## ENSG00000252987.1	0
## ENSG00000237707.1	0
## ENSG00000143153.14	31296
## ENSG00000289466.1	1
## ENSG00000143156.14	2174
## ENSG00000235575.1	0
## ENSG00000117475.14	1550
## ENSG00000117477.13	474
## ENSG00000117479.15	3009
## ENSG00000234604.2	5
## ENSG00000213062.5	246
## ENSG00000198734.12	285
## ENSG00000174175.17	3
## ENSG00000000460.17	1927
## ENSG00000188404.10	10
## ENSG00000007908.16	0
## ENSG00000230704.1	0
## ENSG00000171806.12	694
## ENSG00000000457.14	798
## ENSG00000239494.2	4
## ENSG00000288139.1	0

## ENSG00000075945.13	3187
## ENSG00000243051.3	0
## ENSG00000235378.2	0
## ENSG00000232959.1	0
## ENSG00000224896.2	0
## ENSG00000203740.4	9
## ENSG00000283340.1	0
## ENSG00000263390.1	0
## ENSG00000233985.2	0
## ENSG00000238051.1	0
## ENSG00000224286.6	0
## ENSG00000226967.1	0
## ENSG00000231407.6	4
## ENSG00000120370.14	716
## ENSG00000225545.1	0
## ENSG00000235303.1	0
## ENSG00000116132.12	1
## ENSG00000271811.1	0
## ENSG00000231424.3	7
## ENSG00000117501.15	1
## ENSG00000226552.2	0
## ENSG00000007933.13	3
## ENSG00000221390.1	0
## ENSG00000283598.1	0
## ENSG00000293458.1	0
## ENSG00000117507.7	0
## ENSG00000094963.14	0
## ENSG00000225243.5	0
## ENSG00000010932.17	21
## ENSG00000206692.1	0
## ENSG00000230547.1	0
## ENSG00000076258.10	143
## ENSG00000285665.1	18
## ENSG00000268062.1	4
## ENSG00000239428.2	0
## ENSG00000234333.2	0
## ENSG00000117523.18	32326
## ENSG00000283683.2	1
## ENSG00000034971.17	0
## ENSG00000233328.3	43
## ENSG00000230364.1	38
## ENSG00000117533.15	671
## ENSG00000232261.1	0
## ENSG00000271459.1	0
## ENSG00000236741.4	0
## ENSG00000253060.1	0
## ENSG00000010165.20	5762
## ENSG00000213060.4	1
## ENSG00000197959.15	32
## ENSG00000224600.5	0
## ENSG00000233540.1	2
## ENSG00000230630.5	3
## ENSG00000283844.1	0
## ENSG00000283152.1	0

## ENSG00000208024.1	0
## ENSG00000287336.1	3
## ENSG00000206684.1	0
## ENSG00000135845.10	2858
## ENSG00000180999.11	4
## ENSG00000094975.15	6805
## ENSG00000251943.1	0
## ENSG00000117560.8	0
## ENSG00000229785.1	1
## ENSG00000279061.1	0
## ENSG00000224228.2	1
## ENSG00000227177.1	0
## ENSG00000224000.1	0
## ENSG00000120337.10	1
## ENSG00000230849.2	3
## ENSG00000226375.1	0
## ENSG00000117586.11	145
## ENSG00000232751.1	1
## ENSG00000231615.2	0
## ENSG00000203739.6	125
## ENSG00000117592.9	42568
## ENSG00000162753.13	3
## ENSG00000238272.1	1
## ENSG00000285777.1	0
## ENSG00000183831.7	140
## ENSG00000232113.3	0
## ENSG00000289426.1	213
## ENSG00000076321.11	1391
## ENSG00000225591.2	6
## ENSG00000200674.1	0
## ENSG00000120334.16	917
## ENSG00000252357.1	0
## ENSG00000117593.12	4332
## ENSG00000234741.10	20219
## ENSG00000270084.2	37
## ENSG00000185278.16	808
## ENSG00000117601.15	84
## ENSG00000252231.1	1
## ENSG00000135870.12	3824
## ENSG00000200755.1	0
## ENSG00000236535.1	0
## ENSG00000224977.2	6
## ENSG00000225713.5	0
## ENSG00000227373.6	10
## ENSG00000152061.24	2404
## ENSG00000237317.2	0
## ENSG00000203737.5	0
## ENSG00000223828.1	0
## ENSG00000231378.1	0
## ENSG00000237249.1	0
## ENSG00000223525.1	0
## ENSG00000235869.1	0
## ENSG00000229531.6	0
## ENSG00000289425.1	0

## ENSG00000252552.1	1
## ENSG00000287697.1	11
## ENSG00000116161.18	11728
## ENSG00000120333.4	2430
## ENSG00000206659.1	1
## ENSG00000181101.7	3
## ENSG00000120332.17	28
## ENSG00000235750.10	1652
## ENSG00000230687.1	0
## ENSG00000233946.2	0
## ENSG00000260990.1	0
## ENSG00000116147.18	216
## ENSG00000235628.1	0
## ENSG00000224718.1	0
## ENSG00000227740.2	5
## ENSG00000230777.1	23
## ENSG00000143207.21	6639
## ENSG00000252906.1	2
## ENSG00000228686.2	18
## ENSG00000236021.4	9
## ENSG00000273629.1	0
## ENSG00000232463.1	0
## ENSG00000253025.1	0
## ENSG00000227815.2	0
## ENSG00000231020.1	0
## ENSG00000225904.1	0
## ENSG00000116183.11	565
## ENSG00000237514.3	3
## ENSG00000286754.1	0
## ENSG00000152092.16	112
## ENSG00000202609.4	0
## ENSG00000198797.7	17
## ENSG00000224968.4	1
## ENSG00000227579.6	1
## ENSG00000236720.2	0
## ENSG00000120341.19	3
## ENSG00000254154.8	1
## ENSG00000293477.1	73
## ENSG00000242193.12	0
## ENSG00000276563.1	0
## ENSG00000224687.2	38
## ENSG00000075391.18	2270
## ENSG00000270575.1	0
## ENSG00000213058.3	447
## ENSG00000188585.10	0
## ENSG00000264809.2	0
## ENSG00000285910.1	0
## ENSG00000240021.10	0
## ENSG00000213057.5	29
## ENSG00000201347.1	0
## ENSG00000273384.1	7
## ENSG00000266417.1	0
## ENSG00000273062.1	42
## ENSG00000116191.19	6879

## ENSG00000228196.1	5
## ENSG00000201791.1	0
## ENSG00000116194.13	1
## ENSG00000289432.2	0
## ENSG00000116199.12	6786
## ENSG00000232750.2	1
## ENSG00000186283.14	4389
## ENSG00000143322.22	4852
## ENSG00000234041.1	0
## ENSG00000231905.2	0
## ENSG00000212338.1	0
## ENSG00000201619.1	0
## ENSG00000231564.1	0
## ENSG00000225711.1	0
## ENSG00000223794.1	0
## ENSG00000228191.1	0
## ENSG00000057252.13	13731
## ENSG00000162779.22	3
## ENSG00000224620.2	0
## ENSG00000236539.3	7
## ENSG00000261250.1	0
## ENSG00000116218.13	1
## ENSG00000251875.1	0
## ENSG00000227141.2	7
## ENSG00000261060.1	2
## ENSG00000162782.16	22
## ENSG00000243062.6	1
## ENSG00000143340.7	619
## ENSG00000229407.5	80
## ENSG00000231966.1	16
## ENSG00000169905.13	9089
## ENSG00000272906.1	12
## ENSG00000143337.19	5626
## ENSG00000264916.2	0
## ENSG00000261831.2	0
## ENSG00000260360.2	7
## ENSG00000135837.17	7579
## ENSG00000235145.2	0
## ENSG00000223450.1	0
## ENSG00000261817.1	0
## ENSG00000116260.17	25809
## ENSG00000121454.6	64
## ENSG00000230124.8	3415
## ENSG00000235060.1	2
## ENSG00000265435.1	0
## ENSG00000236719.5	0
## ENSG00000206905.1	0
## ENSG00000143324.14	20333
## ENSG00000283575.1	0
## ENSG00000225857.5	7
## ENSG00000135835.12	58
## ENSG00000243155.1	6
## ENSG00000232586.1	0
## ENSG00000251520.1	4

## ENSG00000270711.1	1
## ENSG00000135823.14	3290
## ENSG00000153029.16	161
## ENSG00000289589.2	1
## ENSG00000162783.11	692
## ENSG00000237292.1	2
## ENSG00000225359.1	1
## ENSG00000179452.2	0
## ENSG00000198216.14	37
## ENSG00000273573.1	0
## ENSG00000252977.1	0
## ENSG00000288574.1	0
## ENSG00000222397.1	0
## ENSG00000287452.2	0
## ENSG00000179930.6	14
## ENSG00000224810.1	3
## ENSG00000225982.1	3
## ENSG00000228918.5	1
## ENSG00000232309.2	0
## ENSG00000289573.1	0
## ENSG00000232096.1	0
## ENSG00000206764.1	0
## ENSG00000228664.1	0
## ENSG00000231684.3	6
## ENSG00000135821.19	48153
## ENSG00000203730.3	1
## ENSG00000203729.8	0
## ENSG00000121446.20	0
## ENSG00000270443.1	0
## ENSG00000233537.1	0
## ENSG00000135828.11	663
## ENSG00000276839.1	0
## ENSG00000143333.7	1896
## ENSG00000261504.1	10
## ENSG00000135824.13	50
## ENSG00000227181.1	0
## ENSG00000271269.1	0
## ENSG00000135838.14	218
## ENSG00000287808.1	41
## ENSG00000135829.17	47912
## ENSG00000157060.16	0
## ENSG00000224040.1	7
## ENSG00000285609.1	0
## ENSG00000226570.2	0
## ENSG00000176855.11	9
## ENSG00000207472.1	0
## ENSG00000135862.6	148145
## ENSG00000224468.3	20
## ENSG00000058085.15	16094
## ENSG00000157064.11	643
## ENSG00000287929.1	29
## ENSG00000233562.1	0
## ENSG00000286372.1	1
## ENSG00000232860.10	54

## ENSG00000116698.22	11953
## ENSG00000116701.16	65
## ENSG00000289732.1	0
## ENSG00000289099.1	0
## ENSG00000286966.1	8
## ENSG00000162704.16	16676
## ENSG00000143344.16	3004
## ENSG00000173627.8	3
## ENSG00000270994.1	0
## ENSG00000227554.1	0
## ENSG00000289581.1	0
## ENSG00000198756.12	170
## ENSG00000198860.14	2679
## ENSG00000286655.1	2
## ENSG00000199840.1	0
## ENSG00000207080.2	0
## ENSG00000231791.1	0
## ENSG00000244568.3	0
## ENSG00000271387.1	6
## ENSG00000116667.15	1385
## ENSG00000230470.1	0
## ENSG00000232036.2	0
## ENSG00000285847.2	8
## ENSG00000290066.1	0
## ENSG00000286378.1	0
## ENSG00000116406.20	5341
## ENSG00000135842.17	629
## ENSG00000252222.1	0
## ENSG00000260976.2	0
## ENSG00000201312.1	0
## ENSG00000121481.11	3620
## ENSG00000232792.2	0
## ENSG00000121486.12	4050
## ENSG00000116668.13	878
## ENSG00000231084.2	30
## ENSG00000213051.3	28
## ENSG00000201421.1	0
## ENSG00000206640.1	0
## ENSG00000233583.1	0
## ENSG00000252612.1	0
## ENSG00000238061.2	2
## ENSG00000279838.1	21
## ENSG00000116679.16	15684
## ENSG00000273004.1	81
## ENSG00000293113.1	3
## ENSG00000261024.8	0
## ENSG00000252407.1	0
## ENSG00000270920.1	0
## ENSG00000279401.1	0
## ENSG00000228309.7	0
## ENSG00000207108.1	0
## ENSG00000201596.1	0
## ENSG00000261729.2	1
## ENSG00000143341.12	1153

## ENSG00000224691.1	0
## ENSG00000288078.1	0
## ENSG00000116690.13	2
## ENSG00000047410.14	18255
## ENSG00000202025.1	0
## ENSG00000157181.16	3021
## ENSG00000229739.4	11
## ENSG00000116703.14	0
## ENSG00000273198.1	0
## ENSG00000228238.1	1
## ENSG00000233196.2	0
## ENSG00000288562.1	1
## ENSG00000073756.13	300
## ENSG00000273129.3	1
## ENSG00000116711.10	407
## ENSG00000230426.5	20
## ENSG00000271558.1	3
## ENSG00000225462.1	2
## ENSG00000274702.1	4
## ENSG00000236401.1	1
## ENSG00000223847.1	0
## ENSG00000285894.2	0
## ENSG00000150732.8	0
## ENSG00000222240.1	0
## ENSG00000261182.1	0
## ENSG00000224278.1	0
## ENSG00000225006.1	0
## ENSG00000235083.1	0
## ENSG00000231022.1	0
## ENSG00000237283.2	0
## ENSG00000238054.3	0
## ENSG00000226486.2	0
## ENSG00000271036.1	0
## ENSG00000226196.1	0
## ENSG00000252553.1	0
## ENSG00000232212.1	0
## ENSG00000238270.1	0
## ENSG00000287472.1	0
## ENSG00000230987.2	0
## ENSG00000162670.11	67
## ENSG00000225811.1	0
## ENSG00000237457.6	9
## ENSG00000241505.1	0
## ENSG00000231175.1	0
## ENSG00000236025.1	0
## ENSG00000238108.1	0
## ENSG00000285638.1	0
## ENSG00000228020.2	1
## ENSG00000261642.1	0
## ENSG00000271187.1	0
## ENSG00000233882.2	0
## ENSG00000228215.3	0
## ENSG00000223344.1	0
## ENSG00000150681.10	3

## ENSG00000285280.2	3
## ENSG00000226723.2	21
## ENSG00000236792.1	5
## ENSG00000253148.1	0
## ENSG00000236069.2	0
## ENSG00000090104.12	2
## ENSG00000289995.1	0
## ENSG00000127074.15	0
## ENSG00000231767.5	206
## ENSG00000283795.1	0
## ENSG00000228687.1	0
## ENSG00000226814.2	0
## ENSG00000116741.8	1795
## ENSG00000223075.1	0
## ENSG00000234473.1	0
## ENSG00000116750.14	4290
## ENSG00000238754.1	0
## ENSG00000116747.13	4449
## ENSG00000023572.10	924
## ENSG00000134371.14	6091
## ENSG00000221680.1	0
## ENSG00000162630.6	111
## ENSG00000276735.1	0
## ENSG00000232077.2	2
## ENSG00000286285.1	0
## ENSG00000227240.2	0
## ENSG00000288950.1	0
## ENSG00000226640.2	0
## ENSG00000237011.1	0
## ENSG00000237213.2	0
## ENSG00000233057.1	27
## ENSG00000231714.1	0
## ENSG00000251813.1	0
## ENSG00000228167.1	0
## ENSG00000285718.2	0
## ENSG00000287364.1	0
## ENSG00000227421.2	0
## ENSG00000162687.19	647
## ENSG00000265986.1	0
## ENSG00000000971.17	3
## ENSG00000289697.1	0
## ENSG00000116785.15	0
## ENSG00000244414.8	0
## ENSG00000285986.1	0
## ENSG00000134365.15	0
## ENSG00000080910.14	0
## ENSG00000273844.1	0
## ENSG00000134389.11	2
## ENSG00000143278.5	18
## ENSG00000066279.19	4454
## ENSG00000235748.1	2
## ENSG00000177888.8	2461
## ENSG00000290127.1	0
## ENSG00000237861.1	1

## ENSG00000134376.17	6
## ENSG00000221879.3	0
## ENSG00000230260.1	0
## ENSG00000213047.13	1232
## ENSG00000207139.1	0
## ENSG00000213046.4	0
## ENSG00000235582.2	19
## ENSG00000233040.2	0
## ENSG00000224901.1	0
## ENSG00000203724.11	51
## ENSG00000143355.16	0
## ENSG00000151414.15	1677
## ENSG00000232824.1	0
## ENSG00000287989.1	0
## ENSG00000151418.12	0
## ENSG00000223881.2	0
## ENSG00000081237.21	0
## ENSG00000261573.1	0
## ENSG00000236278.2	0
## ENSG00000229989.6	0
## ENSG00000207975.1	0
## ENSG00000207759.1	0
## ENSG00000227747.2	0
## ENSG00000225172.6	0
## ENSG00000233410.1	0
## ENSG00000235492.1	0
## ENSG00000286541.1	0
## ENSG00000231718.1	0
## ENSG00000228190.2	0
## ENSG00000236468.1	1
## ENSG00000231984.1	0
## ENSG00000228530.1	0
## ENSG00000200139.1	0
## ENSG00000229747.1	0
## ENSG00000290125.1	0
## ENSG00000202491.1	0
## ENSG00000202329.1	0
## ENSG00000116833.14	8030
## ENSG00000252860.1	1
## ENSG00000229220.1	6
## ENSG00000233827.2	0
## ENSG00000203721.8	56
## ENSG00000273093.1	0
## ENSG00000213045.3	3
## ENSG00000230623.8	117
## ENSG00000162702.8	7390
## ENSG00000282849.1	2
## ENSG00000118193.12	2141
## ENSG00000118197.14	1234
## ENSG00000260088.1	0
## ENSG00000118200.15	7616
## ENSG00000231333.2	4
## ENSG00000170128.5	0
## ENSG00000163362.11	5922

## ENSG00000233217.3	1
## ENSG00000293444.1	0
## ENSG00000201032.1	0
## ENSG00000116852.15	1525
## ENSG00000229191.1	59
## ENSG00000234132.2	0
## ENSG00000081248.12	8
## ENSG00000232237.5	80
## ENSG00000116857.17	9370
## ENSG00000163395.17	17
## ENSG00000229821.1	0
## ENSG00000081277.13	0
## ENSG00000118194.21	3
## ENSG00000286600.1	0
## ENSG00000159166.15	6879
## ENSG00000282221.1	304
## ENSG00000159173.20	403
## ENSG00000227048.2	0
## ENSG00000174307.7	4434
## ENSG00000224818.1	0
## ENSG00000159176.14	23598
## ENSG00000224536.2	21
## ENSG00000293257.1	14
## ENSG00000223396.5	0
## ENSG00000134369.16	7254
## ENSG00000236390.1	0
## ENSG00000231871.5	13
## ENSG00000264802.1	0
## ENSG00000235121.1	3
## ENSG00000200942.1	0
## ENSG00000221028.1	0
## ENSG00000198700.10	18299
## ENSG00000277681.1	1
## ENSG00000198892.7	247
## ENSG00000223774.5	0
## ENSG00000163431.14	186
## ENSG00000134375.11	6903
## ENSG00000206637.1	0
## ENSG00000238003.1	0
## ENSG00000176393.11	13121
## ENSG00000234678.2	329
## ENSG00000275207.1	2
## ENSG00000163435.16	7705
## ENSG00000249007.1	4
## ENSG00000232296.1	0
## ENSG00000235811.1	0
## ENSG00000212512.2	0
## ENSG00000227109.1	3
## ENSG00000170075.10	42
## ENSG00000143862.8	3171
## ENSG00000143851.16	1
## ENSG00000243323.8	0
## ENSG00000293457.1	1
## ENSG00000133067.18	138

## ENSG00000077152.12	3330
## ENSG00000077157.23	2667
## ENSG000000229120.2	0
## ENSG000000272262.1	0
## ENSG000000232626.4	6
## ENSG000000293334.1	0
## ENSG000000236439.4	78
## ENSG000000253042.1	0
## ENSG000000143858.12	1194
## ENSG000000226862.1	1
## ENSG000000225620.1	0
## ENSG000000117139.18	36975
## ENSG000000235449.2	11
## ENSG000000226148.1	2
## ENSG000000260021.1	0
## ENSG000000228288.9	210
## ENSG000000293466.1	4
## ENSG000000184774.11	0
## ENSG000000291234.1	777
## ENSG000000214796.10	53
## ENSG000000293264.1	100
## ENSG000000234996.5	0
## ENSG000000183155.5	1228
## ENSG000000117153.16	4483
## ENSG000000230280.2	11
## ENSG000000199471.1	0
## ENSG000000159346.13	8893
## ENSG000000159348.13	2880
## ENSG000000234761.2	0
## ENSG000000290909.1	0
## ENSG000000231547.1	0
## ENSG000000163444.12	8845
## ENSG000000143847.16	29
## ENSG000000122180.5	0
## ENSG000000163485.18	93
## ENSG000000234775.2	0
## ENSG000000224671.2	0
## ENSG000000133055.10	0
## ENSG000000133048.13	2677
## ENSG000000133063.16	3
## ENSG000000236523.2	1
## ENSG000000231507.4	7
## ENSG000000288925.1	0
## ENSG000000233791.7	1
## ENSG000000159388.6	17854
## ENSG000000202300.1	0
## ENSG000000122176.12	476
## ENSG000000229652.1	0
## ENSG000000271588.1	0
## ENSG000000188783.6	10
## ENSG000000188770.10	1
## ENSG000000058668.16	22787
## ENSG000000236035.2	2
## ENSG000000221643.1	1

## ENSG00000122188.13	1
## ENSG00000257315.4	56
## ENSG00000058673.17	44
## ENSG00000288644.1	0
## ENSG00000227417.3	0
## ENSG00000223505.2	0
## ENSG00000182004.13	10936
## ENSG00000236430.1	1
## ENSG00000232917.5	13
## ENSG00000237379.1	0
## ENSG00000286383.2	6
## ENSG00000176754.13	0
## ENSG00000286572.1	0
## ENSG00000143842.15	2977
## ENSG00000261065.1	0
## ENSG00000143845.15	1499
## ENSG00000230550.2	2
## ENSG00000143839.15	3
## ENSG00000225522.2	0
## ENSG00000170498.10	16
## ENSG00000174567.8	270
## ENSG00000143850.16	2772
## ENSG00000231691.2	0
## ENSG00000219133.2	21
## ENSG00000280924.1	0
## ENSG00000226330.1	5
## ENSG00000237848.1	1
## ENSG00000158615.10	7200
## ENSG00000288934.2	6
## ENSG00000133056.14	3039
## ENSG00000198625.14	2672
## ENSG00000236779.1	0
## ENSG00000200408.1	0
## ENSG00000240710.1	9
## ENSG00000170382.12	1190
## ENSG00000240219.1	20
## ENSG00000228153.1	1
## ENSG00000252650.1	0
## ENSG00000251861.1	0
## ENSG00000287197.1	0
## ENSG00000163531.17	1452
## ENSG00000229657.2	0
## ENSG00000184144.12	4
## ENSG00000174529.7	230
## ENSG00000117222.14	3867
## ENSG00000271580.1	2
## ENSG00000236108.1	0
## ENSG00000133059.18	3249
## ENSG00000213041.4	2
## ENSG00000133069.17	824
## ENSG00000225063.1	0
## ENSG00000163545.11	6617
## ENSG00000162873.15	131
## ENSG00000235363.1	356

## ENSG00000226235.1	1
## ENSG00000186007.10	94
## ENSG00000281406.2	340
## ENSG00000199059.3	1
## ENSG00000224717.1	65
## ENSG00000117266.16	1621
## ENSG00000253097.1	0
## ENSG00000174514.13	144
## ENSG00000206762.1	3
## ENSG00000158711.14	1605
## ENSG00000236942.1	7
## ENSG00000158715.6	1044
## ENSG00000275213.1	0
## ENSG00000069275.13	73696
## ENSG00000201944.1	0
## ENSG00000117280.13	2493
## ENSG00000285521.1	0
## ENSG00000133065.11	4504
## ENSG00000286619.1	6
## ENSG00000162877.13	83
## ENSG00000174502.19	2191
## ENSG00000227687.1	0
## ENSG00000276600.5	44
## ENSG00000196188.12	2885
## ENSG00000293455.1	0
## ENSG00000285417.2	0
## ENSG00000263961.8	0
## ENSG00000252692.1	0
## ENSG00000198049.7	6
## ENSG00000226780.1	0
## ENSG00000287432.1	0
## ENSG00000225483.1	0
## ENSG00000236889.1	0
## ENSG00000196550.11	211
## ENSG00000266028.8	4324
## ENSG00000229509.1	0
## ENSG00000263528.8	980
## ENSG00000278465.1	0
## ENSG00000162888.4	1
## ENSG00000261000.1	0
## ENSG00000266094.8	708
## ENSG00000234981.1	17
## ENSG00000279946.1	0
## ENSG00000143486.16	5982
## ENSG00000237605.3	20
## ENSG00000143479.18	1089
## ENSG00000162889.11	10040
## ENSG00000224114.1	482
## ENSG00000199349.1	3
## ENSG00000136634.7	0
## ENSG00000142224.18	2
## ENSG00000162891.11	0
## ENSG00000162892.16	3
## ENSG00000162894.12	4

## ENSG00000271680.1	0
## ENSG00000226945.1	1
## ENSG00000162896.6	45
## ENSG00000162897.16	4
## ENSG00000182795.13	7270
## ENSG00000123836.15	1687
## ENSG00000180667.11	3419
## ENSG00000123843.13	88
## ENSG00000123838.11	19
## ENSG00000275392.1	0
## ENSG00000226565.2	0
## ENSG00000224462.2	0
## ENSG00000243636.1	0
## ENSG00000232621.1	0
## ENSG00000237074.2	0
## ENSG00000196352.18	4227
## ENSG00000283044.1	0
## ENSG00000117322.19	47
## ENSG00000203710.12	8
## ENSG00000236911.6	0
## ENSG00000197721.17	0
## ENSG00000244703.3	0
## ENSG00000226289.1	0
## ENSG00000274059.1	0
## ENSG00000285239.1	0
## ENSG00000117335.21	9115
## ENSG00000203709.14	7
## ENSG00000234219.1	0
## ENSG00000284214.1	0
## ENSG00000284203.1	0
## ENSG00000289071.2	0
## ENSG00000174059.17	2
## ENSG00000285719.2	0
## ENSG00000284237.1	2
## ENSG00000076356.7	3118
## ENSG00000287220.1	0
## ENSG00000286198.3	1
## ENSG00000226843.1	0
## ENSG00000261453.2	0
## ENSG00000259815.1	0
## ENSG00000227887.1	3
## ENSG00000232812.2	1
## ENSG00000236950.1	0
## ENSG00000278684.1	0
## ENSG00000287046.1	0
## ENSG00000232537.2	0
## ENSG00000228081.2	0
## ENSG00000224540.1	1
## ENSG00000225712.1	0
## ENSG00000227940.2	0
## ENSG00000231648.2	0
## ENSG00000230937.13	63
## ENSG00000284485.1	0
## ENSG00000224260.6	1

## ENSG00000287902.2	1
## ENSG00000008118.10	32
## ENSG00000196878.15	285
## ENSG00000283876.1	0
## ENSG00000227591.6	0
## ENSG00000123689.6	21
## ENSG00000117594.10	0
## ENSG00000236136.1	0
## ENSG00000009790.15	9
## ENSG00000162757.4	53
## ENSG00000289700.1	0
## ENSG00000117595.13	1758
## ENSG00000117597.18	2621
## ENSG00000143469.21	301
## ENSG00000287343.1	0
## ENSG00000203706.9	87
## ENSG00000082497.12	570
## ENSG00000228110.4	11
## ENSG00000233455.2	0
## ENSG00000054392.13	1624
## ENSG00000287354.1	0
## ENSG00000200972.1	0
## ENSG00000287157.1	0
## ENSG00000270936.1	0
## ENSG00000143473.14	42
## ENSG00000279333.1	0
## ENSG00000224668.1	2
## ENSG00000283952.1	0
## ENSG00000284376.1	0
## ENSG00000234233.1	0
## ENSG00000234004.4	25
## ENSG00000226986.4	8
## ENSG00000117625.14	1968
## ENSG00000082512.15	246
## ENSG00000287033.2	1
## ENSG00000153363.15	369
## ENSG00000236809.2	44
## ENSG00000238137.2	1
## ENSG00000198570.7	46
## ENSG00000223649.1	0
## ENSG00000170385.10	3141
## ENSG00000261314.1	2
## ENSG00000288738.1	0
## ENSG00000228792.3	0
## ENSG00000227764.2	0
## ENSG00000117650.13	3319
## ENSG00000224763.1	5
## ENSG00000231057.5	4
## ENSG00000226868.1	0
## ENSG00000123684.13	8426
## ENSG00000241395.3	0
## ENSG00000212205.1	0
## ENSG00000229258.6	0
## ENSG00000233626.2	4

## ENSG00000143493.13	3337
## ENSG00000212187.1	0
## ENSG00000143476.18	4222
## ENSG00000220749.4	7514
## ENSG00000264358.1	0
## ENSG00000252879.1	0
## ENSG00000229983.1	0
## ENSG00000226251.8	17
## ENSG00000066027.12	7696
## ENSG00000230063.1	0
## ENSG00000234915.1	0
## ENSG00000225338.1	49
## ENSG00000201544.1	3
## ENSG00000229832.1	1
## ENSG00000065600.13	2388
## ENSG00000287445.1	21
## ENSG00000117691.10	3438
## ENSG00000224535.2	0
## ENSG00000286213.1	0
## ENSG00000228067.1	0
## ENSG00000260805.3	62
## ENSG00000288007.1	24
## ENSG00000162772.18	4015
## ENSG00000235862.2	0
## ENSG00000162771.8	0
## ENSG00000226036.1	0
## ENSG00000237980.2	1
## ENSG00000123685.9	35
## ENSG00000117697.15	3512
## ENSG00000203705.11	764
## ENSG00000236905.2	0
## ENSG00000185523.6	5
## ENSG00000198468.11	40
## ENSG00000235182.1	0
## ENSG00000236317.1	0
## ENSG00000162769.13	4436
## ENSG00000282718.1	0
## ENSG00000143494.16	1585
## ENSG00000174606.14	2848
## ENSG00000136643.12	3013
## ENSG00000228646.3	0
## ENSG00000225233.2	2
## ENSG00000228255.1	0
## ENSG00000230461.10	112
## ENSG00000281664.1	0
## ENSG00000117707.17	2488
## ENSG00000274895.1	8
## ENSG00000272167.2	1
## ENSG00000283518.1	0
## ENSG00000143499.14	3539
## ENSG00000228470.1	1
## ENSG00000152104.12	6768
## ENSG00000213036.3	3
## ENSG00000215819.3	0

## ENSG00000117724.15	19117
## ENSG00000250536.1	1
## ENSG00000224584.2	0
## ENSG00000185221.6	0
## ENSG00000223869.1	0
## ENSG00000287008.1	0
## ENSG00000082482.14	62
## ENSG00000232809.1	0
## ENSG00000282265.1	0
## ENSG00000136636.13	8335
## ENSG00000042781.14	45
## ENSG00000202498.1	0
## ENSG00000229242.1	0
## ENSG00000233620.5	0
## ENSG00000236292.1	0
## ENSG00000226013.1	0
## ENSG00000196482.18	1101
## ENSG00000092978.11	2341
## ENSG00000162814.11	425
## ENSG00000234070.1	0
## ENSG00000228247.1	0
## ENSG00000231814.3	0
## ENSG00000230714.1	0
## ENSG00000232100.1	0
## ENSG00000286775.1	0
## ENSG00000201493.1	0
## ENSG00000067533.6	4576
## ENSG00000229016.1	0
## ENSG00000223375.1	0
## ENSG00000232480.3	17
## ENSG00000092969.12	10253
## ENSG00000281453.1	0
## ENSG00000228208.7	1
## ENSG00000212610.2	0
## ENSG00000226693.1	0
## ENSG00000225561.2	0
## ENSG00000228063.4	7
## ENSG00000143353.12	1584
## ENSG00000225920.2	1
## ENSG00000223842.1	9
## ENSG00000277007.1	4
## ENSG00000287676.1	12
## ENSG00000228536.3	1
## ENSG00000238232.1	0
## ENSG00000215817.9	20
## ENSG00000196660.12	681
## ENSG00000252086.1	0
## ENSG00000221673.2	0
## ENSG00000136628.18	27687
## ENSG00000162813.18	3486
## ENSG00000067704.10	17243
## ENSG00000207590.1	2
## ENSG00000207624.1	1
## ENSG00000232134.1	20

## ENSG00000118873.17	6171
## ENSG00000281696.1	0
## ENSG00000222370.1	0
## ENSG00000270585.1	1
## ENSG00000270708.1	0
## ENSG00000218283.2	1783
## ENSG00000213033.4	3
## ENSG00000230318.2	0
## ENSG00000232883.1	11
## ENSG00000226927.1	0
## ENSG00000260505.1	0
## ENSG00000235163.2	0
## ENSG00000234863.1	0
## ENSG00000226226.1	0
## ENSG00000231529.2	0
## ENSG00000116141.17	786
## ENSG00000243872.3	0
## ENSG00000233012.3	2
## ENSG00000293204.1	0
## ENSG00000162817.7	1295
## ENSG00000117791.16	372
## ENSG00000186205.14	2457
## ENSG00000286231.1	0
## ENSG00000221571.3	6
## ENSG00000276642.1	0
## ENSG00000272823.1	1
## ENSG00000238078.1	2
## ENSG00000257551.1	0
## ENSG00000289142.1	13
## ENSG00000136630.13	5
## ENSG00000226211.1	0
## ENSG00000234754.2	1
## ENSG00000232436.1	0
## ENSG00000286398.1	0
## ENSG00000227585.2	0
## ENSG00000286421.1	0
## ENSG00000143507.18	1224
## ENSG00000227925.2	1
## ENSG00000200033.1	0
## ENSG00000238042.5	1
## ENSG00000228437.5	8
## ENSG00000232679.2	0
## ENSG00000236230.2	3
## ENSG00000227613.1	0
## ENSG00000226643.2	1
## ENSG00000234419.1	0
## ENSG00000276997.4	8
## ENSG00000222399.1	0
## ENSG00000267305.2	0
## ENSG00000143512.13	1
## ENSG00000143498.18	1029
## ENSG00000225265.2	160
## ENSG00000154305.18	7085
## ENSG00000229399.1	0

## ENSG00000272750.1	126
## ENSG00000186063.13	7542
## ENSG00000162819.12	3658
## ENSG00000197520.11	1
## ENSG00000289880.1	1
## ENSG00000287684.1	0
## ENSG00000154309.9	1315
## ENSG00000234523.1	2
## ENSG00000287338.1	0
## ENSG00000187554.14	125
## ENSG00000236846.1	0
## ENSG00000226601.1	0
## ENSG00000143502.16	432
## ENSG00000251789.2	0
## ENSG00000178395.7	1
## ENSG00000203697.12	40
## ENSG00000227002.2	0
## ENSG00000212398.1	0
## ENSG00000162909.18	27158
## ENSG00000143514.18	11374
## ENSG00000288999.2	16
## ENSG00000227621.1	2
## ENSG00000188460.4	9
## ENSG00000233771.2	0
## ENSG00000291068.1	253
## ENSG00000212157.1	0
## ENSG00000272645.6	0
## ENSG00000290989.1	48
## ENSG00000278467.1	4
## ENSG00000185495.11	1
## ENSG00000229930.1	3
## ENSG00000252484.1	0
## ENSG00000143756.12	5382
## ENSG00000236773.1	6
## ENSG00000143753.14	6696
## ENSG00000201898.1	0
## ENSG00000232628.7	3
## ENSG00000237101.1	11
## ENSG00000143748.18	3652
## ENSG00000221406.1	1
## ENSG00000229742.1	0
## ENSG00000206887.1	0
## ENSG00000143771.12	7367
## ENSG00000162923.18	11773
## ENSG00000266618.1	0
## ENSG00000143786.8	158
## ENSG00000229991.1	3
## ENSG00000233384.3	1
## ENSG00000234247.1	0
## ENSG00000286174.1	0
## ENSG00000229400.1	0
## ENSG00000225334.3	0
## ENSG00000286719.1	0
## ENSG00000185842.16	845

## ENSG00000143815.15	16876
## ENSG00000234476.5	0
## ENSG00000282418.1	1
## ENSG00000289962.1	0
## ENSG00000154380.19	36984
## ENSG00000289602.1	12
## ENSG00000227496.3	2
## ENSG00000226349.1	1
## ENSG00000223306.2	0
## ENSG00000143742.14	36399
## ENSG00000234112.2	1
## ENSG00000143819.13	6487
## ENSG00000242861.1	53
## ENSG00000196187.12	4006
## ENSG00000243709.1	25
## ENSG00000255835.1	0
## ENSG00000143811.20	2135
## ENSG00000284519.1	0
## ENSG00000248322.1	0
## ENSG00000143768.13	1
## ENSG00000213032.3	0
## ENSG00000143751.10	2985
## ENSG00000289341.2	0
## ENSG00000272562.2	9
## ENSG00000163041.13	19872
## ENSG00000225518.3	17
## ENSG00000270598.1	1
## ENSG00000182827.9	4741
## ENSG00000234478.1	1
## ENSG00000223570.2	0
## ENSG00000185155.12	44
## ENSG00000183814.16	1192
## ENSG00000236994.1	0
## ENSG00000275406.1	0
## ENSG00000289348.1	0
## ENSG00000143799.14	41532
## ENSG00000270287.1	0
## ENSG00000229965.1	44
## ENSG00000223282.1	0
## ENSG00000177770.11	0
## ENSG00000287627.1	0
## ENSG00000203685.11	81
## ENSG00000143772.11	778
## ENSG00000228382.3	0
## ENSG00000228548.1	1
## ENSG00000238183.2	0
## ENSG00000287259.1	0
## ENSG00000143801.18	42
## ENSG00000288674.1	4
## ENSG00000163050.18	23
## ENSG00000228525.1	0
## ENSG00000143776.20	4247
## ENSG00000233706.1	0
## ENSG00000287532.1	3

## ENSG00000228625.1	0
## ENSG00000228729.1	0
## ENSG00000236636.2	0
## ENSG00000287525.1	0
## ENSG00000234277.3	0
## ENSG00000232864.1	2
## ENSG00000242757.1	0
## ENSG00000224834.1	3
## ENSG00000237193.1	0
## ENSG00000278180.1	0
## ENSG00000237469.2	0
## ENSG00000235827.2	0
## ENSG00000227711.3	0
## ENSG00000287205.1	3
## ENSG00000202264.1	0
## ENSG00000181450.18	2333
## ENSG00000225934.2	0
## ENSG00000215812.5	0
## ENSG00000143740.15	3334
## ENSG00000081692.13	1285
## ENSG00000230005.2	1
## ENSG00000286389.2	28
## ENSG00000185888.6	1
## ENSG00000143816.8	366
## ENSG00000264483.1	1
## ENSG00000233003.4	0
## ENSG00000274886.1	0
## ENSG00000154342.6	3
## ENSG00000276255.2	0
## ENSG00000143761.17	36419
## ENSG00000284163.1	0
## ENSG00000143793.13	1226
## ENSG00000162910.19	1527
## ENSG00000224566.2	8
## ENSG00000287895.1	2
## ENSG00000280157.1	5
## ENSG00000227625.2	1
## ENSG00000143774.18	6053
## ENSG00000198835.4	61
## ENSG00000203684.5	4
## ENSG00000181873.13	814
## ENSG00000162913.10	31
## ENSG00000154358.23	2133
## ENSG00000269934.3	43
## ENSG00000270110.2	23
## ENSG00000286773.1	0
## ENSG00000287315.1	136
## ENSG00000270104.1	1
## ENSG00000154370.16	3005
## ENSG00000270094.1	0
## ENSG00000284311.1	0
## ENSG00000231563.3	16
## ENSG00000162931.12	250
## ENSG00000168148.4	0

## ENSG00000181218.6	587
## ENSG00000230841.2	0
## ENSG00000196890.5	35
## ENSG00000266174.1	0
## ENSG00000181201.4	2
## ENSG00000279306.1	1
## ENSG00000168159.15	11441
## ENSG00000215811.7	0
## ENSG00000293430.1	0
## ENSG00000202056.1	0
## ENSG00000251823.2	0
## ENSG00000199352.1	0
## ENSG00000201588.1	0
## ENSG00000199337.1	0
## ENSG00000200381.1	0
## ENSG00000199396.1	0
## ENSG00000200624.1	0
## ENSG00000202521.1	0
## ENSG00000200343.1	0
## ENSG00000201321.1	0
## ENSG00000199910.1	0
## ENSG00000199334.1	0
## ENSG00000199270.1	0
## ENSG00000202526.1	0
## ENSG00000201355.1	0
## ENSG00000201925.1	0
## ENSG00000202257.1	0
## ENSG00000200370.1	0
## ENSG00000212237.1	4
## ENSG00000183929.7	2
## ENSG00000206878.1	0
## ENSG00000234975.6	56
## ENSG00000116574.6	10407
## ENSG00000271475.1	0
## ENSG00000271399.1	0
## ENSG00000282111.1	0
## ENSG00000229840.2	0
## ENSG00000236975.2	3
## ENSG00000233920.2	0
## ENSG00000177800.2	0
## ENSG00000177788.7	684
## ENSG00000168118.12	6616
## ENSG00000237481.1	0
## ENSG00000154429.11	1792
## ENSG00000252506.1	0
## ENSG00000288862.1	0
## ENSG00000252051.1	0
## ENSG00000230331.1	0
## ENSG00000143632.15	394
## ENSG00000290037.1	0
## ENSG00000069248.12	10668
## ENSG00000226920.1	0
## ENSG00000223635.2	1
## ENSG00000135776.5	4040

## ENSG00000199672.1	0
## ENSG00000201492.1	0
## ENSG00000229367.1	0
## ENSG00000135801.11	2864
## ENSG00000135763.10	4296
## ENSG00000213028.3	4
## ENSG00000225984.1	0
## ENSG00000227043.3	0
## ENSG00000228058.4	0
## ENSG00000143641.10	10644
## ENSG00000227006.2	7
## ENSG00000224407.1	0
## ENSG00000177614.11	913
## ENSG00000282564.3	3
## ENSG00000232964.2	0
## ENSG00000235817.2	0
## ENSG00000135775.14	4486
## ENSG00000135744.9	637
## ENSG00000244137.1	11
## ENSG00000135773.13	80
## ENSG00000202063.1	0
## ENSG00000225656.1	0
## ENSG00000119280.17	14458
## ENSG00000223393.2	62
## ENSG00000288037.1	1
## ENSG00000287395.1	0
## ENSG00000240502.2	0
## ENSG00000143643.13	2592
## ENSG00000173409.14	976
## ENSG00000182118.8	1380
## ENSG00000283799.1	0
## ENSG00000227934.1	5
## ENSG00000229595.1	1
## ENSG00000119283.16	43
## ENSG00000235710.6	0
## ENSG00000143633.13	1862
## ENSG00000116906.13	9739
## ENSG00000222407.1	0
## ENSG00000116903.7	1639
## ENSG00000010072.16	1687
## ENSG00000287450.1	0
## ENSG00000135766.9	651
## ENSG00000287856.1	7
## ENSG00000223982.3	0
## ENSG00000233461.6	287
## ENSG00000116918.15	2779
## ENSG00000270106.6	2
## ENSG00000229228.1	0
## ENSG00000162946.24	352
## ENSG00000222986.1	0
## ENSG00000286071.3	1
## ENSG00000274121.1	0
## ENSG00000226758.1	0
## ENSG00000235152.1	0

## ENSG00000236372.1	0
## ENSG00000224436.1	0
## ENSG00000242794.2	0
## ENSG00000116991.12	6487
## ENSG00000238382.1	0
## ENSG00000225919.1	0
## ENSG00000236497.2	0
## ENSG00000212916.6	534
## ENSG00000206835.1	0
## ENSG00000286774.1	0
## ENSG00000232175.1	0
## ENSG00000135778.12	5450
## ENSG00000135749.20	1911
## ENSG00000231940.1	12
## ENSG00000251508.1	0
## ENSG00000143674.11	2553
## ENSG00000252501.1	0
## ENSG00000287423.1	0
## ENSG00000289305.1	16
## ENSG00000135750.15	1070
## ENSG00000265744.1	0
## ENSG00000286109.1	0
## ENSG00000225486.1	6
## ENSG00000286666.1	2
## ENSG00000287921.1	0
## ENSG00000183780.13	71
## ENSG00000236101.1	0
## ENSG00000233332.1	1
## ENSG00000231272.1	0
## ENSG00000236244.1	0
## ENSG00000232166.1	0
## ENSG00000264377.1	0
## ENSG00000235605.1	5
## ENSG00000236358.1	0
## ENSG00000273367.1	0
## ENSG00000231663.3	16
## ENSG00000168275.16	1713
## ENSG00000059588.10	2277
## ENSG00000231768.2	0
## ENSG00000288760.1	0
## ENSG00000286210.1	0
## ENSG00000287633.1	0
## ENSG00000230404.1	0
## ENSG00000212144.1	0
## ENSG00000289057.1	0
## ENSG00000168264.11	15537
## ENSG00000228830.1	0
## ENSG00000224939.1	7
## ENSG00000272362.1	0
## ENSG00000228044.3	0
## ENSG00000241475.1	0
## ENSG00000230628.1	3
## ENSG00000282097.1	3
## ENSG00000227630.4	27

## ENSG00000279261.2	0
## ENSG00000289377.2	0
## ENSG00000286263.1	0
## ENSG00000201638.2	0
## ENSG00000239690.3	0
## ENSG00000237520.2	2
## ENSG00000238005.5	16
## ENSG00000258082.2	1
## ENSG00000280587.3	33
## ENSG00000233018.1	0
## ENSG00000273416.1	9
## ENSG00000173726.11	44392
## ENSG00000207181.1	13
## ENSG00000188739.15	91
## ENSG00000054267.22	5764
## ENSG00000289114.1	2
## ENSG00000263439.1	0
## ENSG00000236863.2	0
## ENSG00000152904.11	2426
## ENSG00000285053.1	725
## ENSG00000227962.1	0
## ENSG00000230026.2	0
## ENSG00000285177.1	1
## ENSG00000284770.2	32
## ENSG00000229795.2	0
## ENSG00000162885.14	4448
## ENSG00000238236.1	0
## ENSG00000235638.1	0
## ENSG00000231199.2	0
## ENSG00000226663.2	0
## ENSG00000231582.2	0
## ENSG00000232714.1	0
## ENSG00000235761.2	0
## ENSG00000168243.11	3950
## ENSG00000270710.1	0
## ENSG00000227236.2	1
## ENSG00000143669.16	1408
## ENSG00000235674.2	6
## ENSG00000229463.2	0
## ENSG00000222831.1	0
## ENSG00000206803.1	0
## ENSG00000237845.1	0
## ENSG00000229291.1	3
## ENSG00000116962.15	15734
## ENSG00000252822.1	0
## ENSG00000235371.1	6
## ENSG00000286142.2	1
## ENSG00000077585.14	2864
## ENSG00000086619.15	8603
## ENSG00000222650.1	0
## ENSG00000237922.1	1
## ENSG00000186197.15	3112
## ENSG00000244457.2	0
## ENSG00000116977.19	9073

## ENSG00000223776.5	398
## ENSG00000273058.2	24
## ENSG00000230325.1	16
## ENSG00000119285.11	9841
## ENSG00000077522.15	14
## ENSG00000116984.15	3897
## ENSG00000226498.2	0
## ENSG00000237991.3	21
## ENSG00000244020.3	0
## ENSG00000288099.1	0
## ENSG00000198626.18	283
## ENSG00000252396.1	0
## ENSG00000266262.1	0
## ENSG00000252290.1	0
## ENSG00000289628.1	0
## ENSG00000237250.3	0
## ENSG00000116996.10	0
## ENSG00000243781.1	0
## ENSG00000283174.1	0
## ENSG00000283166.1	0
## ENSG00000283377.1	0
## ENSG00000232154.2	0
## ENSG00000225723.1	0
## ENSG00000227860.1	0
## ENSG00000230019.1	0
## ENSG00000234464.2	0
## ENSG00000232989.1	0
## ENSG00000252371.1	0
## ENSG00000215808.4	1
## ENSG00000231877.1	6
## ENSG00000215149.3	0
## ENSG00000224783.1	0
## ENSG00000287177.1	0
## ENSG00000227854.1	3
## ENSG00000287589.1	0
## ENSG00000259776.1	0
## ENSG00000133019.12	91
## ENSG00000233355.7	0
## ENSG00000234601.1	0
## ENSG00000231979.1	0
## ENSG00000215805.3	0
## ENSG00000287102.1	0
## ENSG00000217327.3	0
## ENSG00000155816.21	288
## ENSG00000228818.1	20
## ENSG00000202041.1	0
## ENSG00000223694.1	2
## ENSG00000233735.5	0
## ENSG00000252317.1	0
## ENSG00000233519.1	0
## ENSG00000180875.5	194
## ENSG00000224359.2	2
## ENSG00000226014.1	0
## ENSG00000231440.1	0

## ENSG00000228844.1	0
## ENSG00000251750.1	0
## ENSG00000234872.2	0
## ENSG00000199241.1	0
## ENSG00000230015.4	0
## ENSG00000226919.4	0
## ENSG00000182901.18	186
## ENSG00000223963.2	0
## ENSG00000215802.3	0
## ENSG00000233615.1	5
## ENSG00000238085.1	1
## ENSG00000265831.1	0
## ENSG00000224348.2	0
## ENSG00000286496.1	3
## ENSG00000287516.1	13
## ENSG00000287738.1	0
## ENSG00000091483.8	12538
## ENSG00000117009.12	13
## ENSG00000054277.14	760
## ENSG00000203668.3	2599
## ENSG00000287513.1	9
## ENSG00000162843.18	3
## ENSG00000288723.1	1
## ENSG00000229022.1	20
## ENSG00000174371.17	2682
## ENSG00000235990.2	1
## ENSG00000196289.7	0
## ENSG00000213026.4	6
## ENSG00000197769.6	11
## ENSG00000224625.2	0
## ENSG00000277099.1	0
## ENSG00000180287.17	876
## ENSG00000272865.2	1
## ENSG00000252084.1	0
## ENSG00000224525.2	4
## ENSG00000226750.1	0
## ENSG00000235467.1	0
## ENSG00000213690.3	0
## ENSG00000270859.1	0
## ENSG00000215800.2	0
## ENSG00000270818.1	0
## ENSG00000277704.1	0
## ENSG00000230199.1	21
## ENSG00000234116.1	0
## ENSG00000291216.1	0
## ENSG00000231512.7	0
## ENSG00000278455.1	0
## ENSG00000253326.2	0
## ENSG00000291217.1	8
## ENSG00000212230.1	0
## ENSG00000214837.9	0
## ENSG00000143702.16	7673
## ENSG00000227230.1	3
## ENSG00000232085.1	0

## ENSG00000054282.16	2257
## ENSG00000224727.1	3
## ENSG00000265201.1	3
## ENSG00000117020.19	4392
## ENSG00000236031.1	0
## ENSG00000226766.1	0
## ENSG00000232184.1	0
## ENSG00000228939.1	0
## ENSG00000226828.2	3
## ENSG00000289055.2	2
## ENSG00000179456.12	2053
## ENSG00000279774.1	0
## ENSG00000229960.1	0
## ENSG00000286486.1	0
## ENSG00000244066.3	0
## ENSG00000237759.1	0
## ENSG00000287531.1	0
## ENSG00000289439.2	0
## ENSG00000173728.11	0
## ENSG00000240963.1	0
## ENSG00000225401.2	0
## ENSG00000035687.10	5569
## ENSG00000179397.18	12
## ENSG00000227735.1	0
## ENSG00000121644.19	7368
## ENSG00000232059.3	4
## ENSG00000284188.3	0
## ENSG00000282317.1	0
## ENSG00000287601.1	0
## ENSG00000203667.10	47
## ENSG00000153187.21	88844
## ENSG00000273175.2	2
## ENSG00000201758.1	0
## ENSG00000252073.1	0
## ENSG00000272195.1	12
## ENSG00000203666.13	775
## ENSG00000252282.1	0
## ENSG00000251754.1	0
## ENSG00000223353.2	0
## ENSG00000201170.1	0
## ENSG00000162849.16	3090
## ENSG00000232192.1	0
## ENSG00000232793.2	1
## ENSG00000238224.1	0
## ENSG00000231612.1	2
## ENSG00000185420.19	1547
## ENSG00000235096.2	0
## ENSG00000226876.3	0
## ENSG00000225222.2	0
## ENSG00000202184.1	0
## ENSG00000230184.1	0
## ENSG00000207326.1	0
## ENSG00000227728.2	0
## ENSG00000242042.1	0

## ENSG00000230813.1	0
## ENSG00000229112.1	0
## ENSG00000162851.8	1942
## ENSG00000162852.14	3993
## ENSG00000225300.1	0
## ENSG00000228955.2	1
## ENSG00000260698.1	10
## ENSG00000235021.1	2
## ENSG00000143653.10	6450
## ENSG00000228879.1	1
## ENSG00000223519.9	10
## ENSG00000260855.1	87
## ENSG00000227953.7	37
## ENSG00000293403.1	1
## ENSG00000235386.1	0
## ENSG00000252011.1	0
## ENSG00000153207.16	11038
## ENSG00000197472.15	494
## ENSG00000135747.11	33
## ENSG00000236775.1	0
## ENSG00000277462.2	2090
## ENSG00000215796.3	0
## ENSG00000228982.1	0
## ENSG00000188295.15	1772
## ENSG00000286747.1	46
## ENSG00000221953.5	71
## ENSG00000226164.2	2
## ENSG00000196418.13	1835
## ENSG00000224014.1	6
## ENSG00000215795.2	8
## ENSG00000259865.1	143
## ENSG00000290124.1	18
## ENSG00000227671.5	519
## ENSG00000290683.1	81
## ENSG00000283881.1	0
## ENSG00000252516.1	2
## ENSG00000232347.1	0
## ENSG00000214144.3	26
## ENSG00000235818.3	0
## ENSG00000197617.9	0
## ENSG00000289566.2	1
## ENSG00000202079.1	3
## ENSG00000162714.13	7450
## ENSG00000289234.2	1675
## ENSG00000289728.1	0
## ENSG00000286216.1	7
## ENSG00000162711.18	1
## ENSG00000177535.10	0
## ENSG00000290684.1	0
## ENSG00000203664.8	0
## ENSG00000169224.13	1
## ENSG00000196242.10	0
## ENSG00000236817.5	0
## ENSG00000177489.1	0

## ENSG00000177476.3	0
## ENSG00000283369.1	0
## ENSG00000198452.8	0
## ENSG00000235749.3	5
## ENSG00000230411.1	0
## ENSG00000197437.5	0
## ENSG00000169214.5	0
## ENSG00000239395.2	0
## ENSG00000241128.3	0
## ENSG00000153230.4	0
## ENSG00000221888.4	0
## ENSG00000228336.2	1
## ENSG00000196772.5	0
## ENSG00000232908.3	0
## ENSG00000230576.1	1
## ENSG00000197591.3	0
## ENSG00000162722.9	1065
## ENSG00000238243.3	61
## ENSG00000177462.9	1
## ENSG00000177275.4	0
## ENSG00000226191.3	5
## ENSG00000289367.2	0
## ENSG00000224830.2	0
## ENSG00000279263.1	0
## ENSG00000187080.10	0
## ENSG00000237492.1	0
## ENSG00000290612.1	0
## ENSG00000224227.4	0
## ENSG00000199442.1	0
## ENSG00000232215.2	0
## ENSG00000197454.2	0
## ENSG00000200085.1	0
## ENSG00000203663.4	4
## ENSG00000200982.1	0
## ENSG00000198128.4	0
## ENSG00000290608.1	0
## ENSG00000197067.7	0
## ENSG00000196071.6	8
## ENSG00000177233.2	0
## ENSG00000162727.3	0
## ENSG00000198601.4	0
## ENSG00000228198.3	0
## ENSG00000171180.3	0
## ENSG00000177212.4	0
## ENSG00000177201.3	0
## ENSG00000177186.3	0
## ENSG00000177174.1	0
## ENSG00000196944.5	0
## ENSG00000198104.4	0
## ENSG00000175143.5	0
## ENSG00000227152.6	0
## ENSG00000196240.6	0
## ENSG00000196539.3	0
## ENSG00000229255.1	0

## ENSG00000203661.4	0
## ENSG00000271934.2	0
## ENSG00000188558.7	0
## ENSG00000224521.2	0
## ENSG00000227102.2	0
## ENSG00000182783.6	0
## ENSG00000183310.3	0
## ENSG00000184022.4	0
## ENSG00000201602.1	0
## ENSG00000271701.1	0
## ENSG00000279301.5	0
## ENSG00000177151.5	0
## ENSG00000187701.5	0
## ENSG00000286015.1	0
## ENSG00000189181.5	0
## ENSG00000293517.1	0
## ENSG00000229703.7	0
## ENSG00000276520.1	0
## ENSG00000242529.1	0
## ENSG00000259823.6	1
## ENSG00000229663.1	0
## ENSG00000175137.11	4467
## ENSG00000264500.1	6
## ENSG00000171161.13	4485
## ENSG00000171163.16	793
## ENSG00000227237.1	0
## ENSG00000185220.12	448
## ENSG00000200495.1	0
## ENSG00000233084.2	5
## ENSG00000184731.6	451
## ENSG00000227061.2	0
## ENSG00000035115.22	3713
## ENSG00000143727.16	12061
## ENSG00000189292.17	20
## ENSG00000228643.1	2
## ENSG00000235779.8	7
## ENSG00000277997.1	0
## ENSG00000233684.2	0
## ENSG00000236856.1	0
## ENSG00000226277.2	0
## ENSG00000223985.2	0
## ENSG00000284452.1	0
## ENSG00000225942.1	0
## ENSG00000233633.2	0
## ENSG00000151353.15	1760
## ENSG00000233296.2	9
## ENSG00000280360.1	4
## ENSG00000233970.1	0
## ENSG00000227713.2	0
## ENSG00000272342.1	1
## ENSG00000223751.2	5
## ENSG00000231173.1	0
## ENSG00000237667.7	0
## ENSG00000228799.6	0

## ENSG00000234796.1	0
## ENSG00000235688.3	5
## ENSG00000172554.12	0
## ENSG00000235403.1	0
## ENSG00000236665.1	0
## ENSG00000233553.1	0
## ENSG00000231482.3	0
## ENSG00000115705.22	0
## ENSG00000228613.1	1
## ENSG00000283766.1	0
## ENSG00000203635.2	4
## ENSG00000130508.11	47845
## ENSG00000186487.21	38
## ENSG00000284600.1	0
## ENSG00000232057.1	8
## ENSG00000225619.1	0
## ENSG00000289941.1	0
## ENSG00000290112.1	3
## ENSG00000234929.3	0
## ENSG00000289608.2	0
## ENSG00000287583.1	0
## ENSG00000237720.2	0
## ENSG00000227364.1	0
## ENSG00000288786.1	0
## ENSG00000228391.1	0
## ENSG00000234423.2	0
## ENSG00000236760.1	0
## ENSG00000226649.1	0
## ENSG00000032389.13	3082
## ENSG00000224885.1	14
## ENSG00000171853.16	2474
## ENSG00000225234.1	71
## ENSG00000271868.1	7
## ENSG00000182551.14	4410
## ENSG00000235078.1	17
## ENSG00000242282.6	1
## ENSG00000286905.1	6
## ENSG00000171865.10	4790
## ENSG00000234171.5	909
## ENSG00000287126.1	441
## ENSG00000171863.15	106804
## ENSG00000118004.18	10
## ENSG00000237370.1	0
## ENSG00000188765.7	18
## ENSG00000289136.1	10
## ENSG00000151360.10	3
## ENSG00000232718.1	0
## ENSG00000224661.1	0
## ENSG00000214866.9	0
## ENSG00000237401.8	0
## ENSG00000229550.1	0
## ENSG00000291325.1	0
## ENSG00000231821.1	0
## ENSG00000231532.6	0

## ENSG00000252238.1	0
## ENSG00000207192.1	0
## ENSG00000289300.2	0
## ENSG00000228585.1	0
## ENSG00000232835.1	0
## ENSG00000224128.1	5
## ENSG00000230090.5	24
## ENSG00000176887.7	13618
## ENSG00000242540.3	37
## ENSG00000236106.3	24
## ENSG00000237266.2	0
## ENSG00000232044.8	10
## ENSG00000276733.1	0
## ENSG00000234275.4	0
## ENSG00000227007.1	0
## ENSG00000226488.2	3
## ENSG00000231610.1	0
## ENSG00000236172.7	1
## ENSG00000286851.1	0
## ENSG00000283394.1	0
## ENSG00000205837.7	13
## ENSG00000225964.6	0
## ENSG00000134326.12	184
## ENSG00000134321.13	97
## ENSG00000271947.1	9
## ENSG00000228203.8	296
## ENSG00000151692.15	3760
## ENSG00000223884.7	33
## ENSG00000223145.1	1
## ENSG00000272002.1	19
## ENSG00000213774.3	2
## ENSG00000229727.7	4
## ENSG00000221255.1	0
## ENSG00000287119.1	0
## ENSG00000230515.1	0
## ENSG00000235576.3	0
## ENSG00000232979.1	0
## ENSG00000229405.1	0
## ENSG00000290050.1	0
## ENSG00000290092.1	0
## ENSG00000226506.6	0
## ENSG00000235665.6	2
## ENSG00000286857.1	0
## ENSG00000236790.7	5
## ENSG00000229740.3	0
## ENSG00000289191.2	0
## ENSG00000236008.5	42
## ENSG00000285591.1	0
## ENSG00000231083.1	17
## ENSG00000225642.1	2
## ENSG00000235092.7	412
## ENSG00000115738.10	15725
## ENSG00000134313.17	15798
## ENSG00000143797.12	3861

## ENSG00000290023.1	0
## ENSG00000230886.3	0
## ENSG00000223640.1	0
## ENSG00000242136.1	0
## ENSG00000261104.1	10
## ENSG00000244310.2	0
## ENSG00000240980.1	0
## ENSG00000151693.11	3575
## ENSG00000213772.3	11
## ENSG00000119185.13	2740
## ENSG00000119203.14	11970
## ENSG00000134330.19	3054
## ENSG00000151694.15	7589
## ENSG00000239300.6	6
## ENSG00000271855.1	15
## ENSG00000134308.14	75471
## ENSG00000207086.1	0
## ENSG00000240687.4	2
## ENSG00000244260.2	0
## ENSG00000200034.1	0
## ENSG00000240960.1	0
## ENSG00000243491.1	2
## ENSG00000115750.17	1960
## ENSG00000269973.1	233
## ENSG00000287305.1	0
## ENSG00000134317.18	734
## ENSG00000289033.2	0
## ENSG00000188525.4	0
## ENSG00000260476.1	0
## ENSG00000260077.1	141
## ENSG00000172059.11	1667
## ENSG00000271787.1	0
## ENSG00000205795.5	39
## ENSG00000233502.1	0
## ENSG00000212558.1	0
## ENSG00000171848.16	15889
## ENSG00000206647.1	0
## ENSG00000265418.1	1
## ENSG00000264030.2	0
## ENSG00000285872.3	43
## ENSG00000206898.1	0
## ENSG00000115756.13	1019
## ENSG00000115758.14	88619
## ENSG00000206633.1	4
## ENSG00000257135.8	152
## ENSG00000115761.17	4381
## ENSG00000234818.1	10
## ENSG00000243819.4	22
## ENSG00000277446.1	0
## ENSG00000236162.1	0
## ENSG00000143882.12	118
## ENSG00000239053.1	0
## ENSG00000272275.1	90
## ENSG00000143870.13	58981

## ENSG00000238962.1	0
## ENSG00000271952.3	1
## ENSG00000232056.1	0
## ENSG00000270488.1	0
## ENSG00000162975.5	92
## ENSG00000226080.1	5
## ENSG00000145063.15	2
## ENSG00000150873.12	15
## ENSG00000162976.13	806
## ENSG00000134318.16	7761
## ENSG00000207267.1	0
## ENSG00000230154.1	6
## ENSG00000226961.3	0
## ENSG00000230952.1	0
## ENSG00000224177.8	0
## ENSG00000231403.1	0
## ENSG00000285569.4	0
## ENSG00000169016.17	2996
## ENSG00000196208.14	5692
## ENSG00000201610.1	0
## ENSG00000264010.1	0
## ENSG00000251718.1	0
## ENSG00000285626.1	0
## ENSG00000239899.3	0
## ENSG00000169006.7	0
## ENSG00000230044.1	0
## ENSG00000276411.1	0
## ENSG00000134324.12	1857
## ENSG00000228496.2	16
## ENSG00000203643.3	0
## ENSG00000230790.2	0
## ENSG00000265056.1	0
## ENSG00000224184.7	12
## ENSG00000265172.1	0
## ENSG00000238503.1	0
## ENSG00000289856.1	0
## ENSG00000264089.1	0
## ENSG00000290030.1	0
## ENSG00000207183.1	0
## ENSG00000223360.1	0
## ENSG00000286427.1	5
## ENSG00000261117.1	0
## ENSG00000071575.12	4636
## ENSG00000264370.1	1
## ENSG00000225649.7	3
## ENSG00000285876.1	1
## ENSG00000229370.1	0
## ENSG00000230448.5	1
## ENSG00000227718.1	0
## ENSG00000251859.1	0
## ENSG00000237261.2	0
## ENSG00000228505.5	0
## ENSG00000162981.14	4779
## ENSG00000287291.1	0

## ENSG00000235127.1	0
## ENSG00000151779.14	10400
## ENSG00000229087.1	0
## ENSG00000234022.1	2
## ENSG00000079785.16	21579
## ENSG00000224194.1	2
## ENSG00000231031.6	2
## ENSG00000237326.1	0
## ENSG00000202160.1	0
## ENSG00000214657.4	0
## ENSG00000238371.1	0
## ENSG00000233718.9	97
## ENSG00000223850.1	0
## ENSG00000134323.13	10807
## ENSG00000243541.3	0
## ENSG00000226764.2	0
## ENSG00000236289.4	57
## ENSG00000236989.5	6
## ENSG00000271315.1	0
## ENSG00000251704.1	0
## ENSG00000226041.1	0
## ENSG00000228876.4	3
## ENSG00000231266.1	0
## ENSG00000285354.1	0
## ENSG00000232444.1	3
## ENSG00000224400.5	3
## ENSG00000289364.2	5
## ENSG00000237633.4	0
## ENSG00000279663.3	0
## ENSG00000197872.11	475
## ENSG00000223536.7	0
## ENSG00000224604.1	0
## ENSG00000237670.1	0
## ENSG00000222842.1	0
## ENSG00000214843.3	0
## ENSG00000236348.1	0
## ENSG00000214842.6	3
## ENSG00000163032.12	271
## ENSG00000163029.16	4166
## ENSG00000178295.15	1862
## ENSG00000151379.4	2
## ENSG00000170745.12	1046
## ENSG00000212455.1	0
## ENSG00000287881.1	0
## ENSG00000287849.2	0
## ENSG00000260331.1	5
## ENSG00000240857.2	1455
## ENSG00000250741.6	0
## ENSG00000185013.17	9
## ENSG00000207170.1	0
## ENSG00000224626.1	0
## ENSG00000287284.1	0
## ENSG00000236204.7	53
## ENSG00000266738.1	0

## ENSG00000143867.7	383
## ENSG00000234597.2	0
## ENSG00000237992.3	0
## ENSG00000235911.1	0
## ENSG00000213403.2	2
## ENSG00000228784.9	4
## ENSG00000183891.6	135
## ENSG00000271991.3	0
## ENSG00000118965.16	2117
## ENSG00000227210.2	41
## ENSG00000132031.13	1103
## ENSG00000068697.7	31865
## ENSG00000223734.3	0
## ENSG00000234378.1	0
## ENSG00000213729.3	1
## ENSG00000266059.2	0
## ENSG00000200763.1	0
## ENSG00000115884.11	14775
## ENSG00000235411.1	6
## ENSG00000238735.1	0
## ENSG00000055917.17	12948
## ENSG00000232800.1	0
## ENSG00000212171.1	0
## ENSG00000290108.1	1
## ENSG00000143878.10	5695
## ENSG00000228950.1	6
## ENSG00000200829.1	0
## ENSG00000227047.1	0
## ENSG00000279307.2	24
## ENSG00000118960.13	2676
## ENSG00000269976.1	5
## ENSG00000231948.2	7
## ENSG00000233416.1	0
## ENSG00000143869.7	502
## ENSG00000270100.1	0
## ENSG00000118961.15	5869
## ENSG00000236436.1	0
## ENSG00000261012.2	19
## ENSG00000084674.15	31686
## ENSG00000280390.1	0
## ENSG00000287956.1	0
## ENSG00000218819.6	1
## ENSG00000271629.1	0
## ENSG00000233005.2	6
## ENSG00000231204.7	0
## ENSG00000270654.1	0
## ENSG00000235537.3	6
## ENSG00000228538.7	2
## ENSG00000229621.2	0
## ENSG00000264192.1	0
## ENSG00000228999.4	13
## ENSG00000223691.1	0
## ENSG00000234189.1	0
## ENSG00000206882.1	0

## ENSG00000234207.1	1
## ENSG00000233587.2	1
## ENSG00000222616.1	0
## ENSG00000232451.2	3
## ENSG00000223530.1	0
## ENSG00000233714.1	0
## ENSG00000223634.1	2
## ENSG00000235497.5	0
## ENSG00000119771.15	4121
## ENSG00000224361.1	0
## ENSG00000279526.2	3
## ENSG00000283031.2	10
## ENSG00000119778.15	2846
## ENSG00000224464.2	3
## ENSG00000238111.1	0
## ENSG00000173960.14	4920
## ENSG00000234946.1	0
## ENSG00000243847.3	0
## ENSG00000205639.12	24
## ENSG00000163026.12	2787
## ENSG00000222940.1	0
## ENSG00000119782.14	766
## ENSG00000115128.7	6959
## ENSG00000219626.9	177
## ENSG00000115129.14	4101
## ENSG00000176732.7	20
## ENSG00000276087.2	0
## ENSG00000232642.2	0
## ENSG00000186453.13	5
## ENSG00000223754.1	0
## ENSG00000198399.16	1757
## ENSG00000242628.6	3
## ENSG00000251805.1	0
## ENSG00000232963.1	0
## ENSG00000233747.1	6
## ENSG00000286829.1	0
## ENSG00000084676.16	2672
## ENSG00000202430.1	0
## ENSG00000206732.1	0
## ENSG00000184924.6	945
## ENSG00000138092.11	3091
## ENSG00000138031.15	2514
## ENSG00000271936.1	142
## ENSG00000115137.12	484
## ENSG00000237953.1	1
## ENSG00000202479.1	0
## ENSG00000224165.8	33
## ENSG00000286645.1	0
## ENSG00000207069.1	0
## ENSG00000084710.14	3284
## ENSG00000276653.1	0
## ENSG00000229593.1	1
## ENSG00000115138.11	90
## ENSG00000230452.1	0

## ENSG00000119772.19	11638
## ENSG00000221445.3	0
## ENSG00000289567.2	1
## ENSG00000235072.2	33
## ENSG00000138101.20	1711
## ENSG00000224220.1	0
## ENSG00000201160.1	0
## ENSG00000143970.18	4711
## ENSG00000187536.4	0
## ENSG00000217643.1	11
## ENSG00000218682.1	1
## ENSG00000217718.1	0
## ENSG00000084731.15	7813
## ENSG00000237629.1	5
## ENSG00000268412.2	5
## ENSG00000084733.11	18796
## ENSG00000199872.1	1
## ENSG00000235440.1	0
## ENSG00000231655.1	0
## ENSG00000214465.3	1
## ENSG00000227133.1	2
## ENSG00000237951.1	1
## ENSG00000157833.13	1699
## ENSG00000084754.12	30148
## ENSG00000138029.14	9405
## ENSG00000286707.1	61
## ENSG00000173567.16	29
## ENSG00000138018.19	14704
## ENSG00000157856.12	228
## ENSG00000115155.19	6
## ENSG00000173557.15	0
## ENSG00000157884.11	1
## ENSG00000225378.1	0
## ENSG00000225024.1	1
## ENSG00000171303.8	276
## ENSG00000213699.9	3899
## ENSG00000115163.15	1102
## ENSG00000145835.6	0
## ENSG00000157851.17	11120
## ENSG00000230286.1	3
## ENSG00000084764.12	740
## ENSG00000205500.8	1
## ENSG00000119777.20	6463
## ENSG00000084693.16	6330
## ENSG00000231636.1	0
## ENSG00000272056.1	5
## ENSG00000229122.1	5
## ENSG00000272148.1	16
## ENSG00000228474.6	8961
## ENSG00000138080.14	137
## ENSG00000138030.14	315
## ENSG00000138028.17	176
## ENSG00000143994.14	4
## ENSG00000138073.14	5732

## ENSG00000186143.11	0
## ENSG00000163792.6	0
## ENSG00000236099.1	0
## ENSG00000138074.15	10537
## ENSG00000138085.18	7757
## ENSG00000084774.14	15331
## ENSG00000115194.11	7
## ENSG00000163793.13	0
## ENSG00000138100.14	3
## ENSG00000163794.6	16
## ENSG00000115204.15	2628
## ENSG00000115207.15	8925
## ENSG00000234945.8	2
## ENSG00000234072.1	1318
## ENSG00000115211.17	5123
## ENSG00000115234.11	8329
## ENSG00000163795.14	1542
## ENSG00000115241.11	25450
## ENSG00000213453.3	4
## ENSG00000115216.14	14934
## ENSG00000157992.12	1491
## ENSG00000138002.16	1158
## ENSG00000235267.1	1
## ENSG00000200003.1	0
## ENSG00000115226.10	908
## ENSG00000084734.9	8
## ENSG00000221843.6	268
## ENSG00000243943.10	3191
## ENSG00000259080.1	2
## ENSG00000176714.10	332
## ENSG00000198522.14	4632
## ENSG00000206731.1	1
## ENSG00000119760.16	3096
## ENSG00000163798.14	3167
## ENSG00000205334.4	7
## ENSG00000289326.2	75
## ENSG00000243147.8	3749
## ENSG00000171174.15	323
## ENSG00000158019.21	2942
## ENSG00000270846.1	0
## ENSG00000265321.1	17
## ENSG00000270528.1	1
## ENSG00000277035.1	0
## ENSG00000223522.2	2
## ENSG00000225991.1	0
## ENSG00000229951.6	9
## ENSG00000075426.12	12693
## ENSG00000270640.1	5
## ENSG00000270210.1	3
## ENSG00000227938.1	0
## ENSG00000163803.13	44
## ENSG00000242915.1	0
## ENSG00000230730.1	1
## ENSG00000222232.1	0

## ENSG00000226833.7	32
## ENSG00000213639.11	16680
## ENSG00000163806.16	8
## ENSG00000273233.1	1
## ENSG00000171103.11	1582
## ENSG00000163811.12	12636
## ENSG00000264994.1	0
## ENSG00000265145.1	0
## ENSG00000222224.1	2
## ENSG00000265706.1	8
## ENSG00000189350.13	38
## ENSG00000200283.1	0
## ENSG00000179270.7	10
## ENSG00000229224.2	1
## ENSG00000115295.21	856
## ENSG00000171094.18	26
## ENSG00000286963.1	0
## ENSG00000242699.3	0
## ENSG00000288553.1	0
## ENSG00000230737.1	0
## ENSG00000197644.2	0
## ENSG00000233862.8	1
## ENSG00000225943.1	0
## ENSG00000119801.13	4804
## ENSG00000207187.1	0
## ENSG00000231712.1	0
## ENSG00000213626.13	5523
## ENSG00000287658.1	0
## ENSG00000235997.4	5
## ENSG00000280154.1	0
## ENSG00000172954.14	2333
## ENSG00000278908.1	0
## ENSG00000162949.16	1904
## ENSG00000230118.1	11
## ENSG00000285984.1	1
## ENSG00000158089.15	641
## ENSG00000234579.1	0
## ENSG00000214711.10	83
## ENSG00000201671.1	0
## ENSG00000013016.16	3230
## ENSG00000213620.3	0
## ENSG00000158125.10	69
## ENSG00000277893.2	12
## ENSG00000228563.1	0
## ENSG00000270422.1	0
## ENSG00000223647.1	0
## ENSG00000237007.4	1
## ENSG00000242272.1	0
## ENSG00000273165.1	1
## ENSG00000162959.14	268
## ENSG00000162961.14	4170
## ENSG00000271228.1	3
## ENSG00000288937.2	20
## ENSG00000021574.14	4467

## ENSG00000272716.2	13
## ENSG00000152683.14	5573
## ENSG00000229816.1	7
## ENSG00000201113.1	0
## ENSG00000091106.19	21
## ENSG00000289727.1	23
## ENSG00000119820.11	4108
## ENSG00000272754.1	0
## ENSG00000115760.16	10583
## ENSG00000230046.1	0
## ENSG00000276334.1	43
## ENSG00000276517.1	27
## ENSG00000207653.1	0
## ENSG00000274159.1	0
## ENSG00000290864.1	2
## ENSG00000279897.3	0
## ENSG00000279544.1	0
## ENSG00000018699.13	2480
## ENSG00000265057.1	0
## ENSG00000230876.8	0
## ENSG00000236854.2	1
## ENSG00000206951.1	0
## ENSG00000049323.16	31147
## ENSG00000223951.1	0
## ENSG00000285577.1	0
## ENSG00000212204.1	0
## ENSG00000252246.1	1
## ENSG00000283591.1	0
## ENSG00000152689.18	43
## ENSG00000119812.20	5609
## ENSG00000286415.1	3
## ENSG00000238038.1	0
## ENSG00000187999.4	0
## ENSG00000228262.11	2
## ENSG00000293267.1	0
## ENSG00000239649.4	0
## ENSG00000235064.1	1
## ENSG00000237790.1	0
## ENSG00000285754.1	0
## ENSG00000272027.2	0
## ENSG00000232153.3	0
## ENSG00000226994.9	0
## ENSG00000264352.2	0
## ENSG00000237320.2	0
## ENSG00000196085.5	0
## ENSG00000288535.1	0
## ENSG00000265301.1	0
## ENSG00000207255.1	0
## ENSG00000229013.1	0
## ENSG00000234587.1	0
## ENSG00000233752.1	0
## ENSG00000260025.2	232
## ENSG00000150938.10	9645
## ENSG00000273090.1	0

## ENSG00000171055.15	4197
## ENSG00000270677.1	0
## ENSG00000205221.13	3
## ENSG00000115808.13	3926
## ENSG00000279519.1	0
## ENSG00000252756.1	0
## ENSG00000008869.12	2214
## ENSG00000152133.17	639
## ENSG00000055332.19	6487
## ENSG00000224891.1	0
## ENSG00000138068.12	0
## ENSG00000233159.1	0
## ENSG00000218739.10	4101
## ENSG00000115816.15	8406
## ENSG00000272054.1	41
## ENSG00000003509.16	1404
## ENSG00000115825.11	7624
## ENSG00000232028.1	1
## ENSG00000207364.1	0
## ENSG00000285925.1	0
## ENSG00000115828.17	828
## ENSG00000253078.1	0
## ENSG00000287316.1	0
## ENSG00000289545.2	3
## ENSG00000236213.4	9
## ENSG00000290100.1	0
## ENSG00000163171.8	24649
## ENSG00000236572.1	0
## ENSG00000225402.1	5
## ENSG00000237803.6	20
## ENSG00000115841.21	174
## ENSG00000235848.4	0
## ENSG00000138061.12	586
## ENSG00000232973.14	18
## ENSG00000280276.1	0
## ENSG00000229160.1	0
## ENSG00000199603.1	0
## ENSG00000273006.1	0
## ENSG00000227292.1	0
## ENSG00000227770.1	0
## ENSG00000213594.4	1
## ENSG00000119787.14	9021
## ENSG00000288994.1	4
## ENSG00000231367.6	0
## ENSG00000287313.1	0
## ENSG00000235009.1	0
## ENSG00000213553.4	2137
## ENSG00000271443.2	0
## ENSG00000293078.1	0
## ENSG00000143889.16	6378
## ENSG00000235586.1	7
## ENSG00000143891.17	2708
## ENSG00000232518.3	1
## ENSG00000115875.19	16360

## ENSG00000152147.11	1994
## ENSG00000227238.1	0
## ENSG00000232114.1	0
## ENSG00000163214.21	5298
## ENSG00000223922.1	2
## ENSG00000225284.1	0
## ENSG00000188010.16	1813
## ENSG00000207295.1	2
## ENSG00000214694.13	52
## ENSG00000265905.2	0
## ENSG00000269210.3	16
## ENSG00000115904.15	8461
## ENSG00000229692.3	0
## ENSG00000206985.1	0
## ENSG00000225900.1	0
## ENSG00000202309.1	0
## ENSG00000205111.10	21
## ENSG00000011566.15	5467
## ENSG00000252473.1	2
## ENSG00000273035.1	4
## ENSG00000231312.8	555
## ENSG00000289003.1	9
## ENSG00000152154.12	594
## ENSG00000138050.15	1084
## ENSG00000227028.6	1
## ENSG00000235653.1	0
## ENSG00000183023.19	216
## ENSG00000289013.1	0
## ENSG00000288992.2	0
## ENSG00000287255.3	0
## ENSG00000285898.1	3
## ENSG00000287468.1	0
## ENSG00000233128.2	0
## ENSG00000293085.1	0
## ENSG00000237442.4	1
## ENSG00000287145.1	1
## ENSG00000236090.2	11
## ENSG00000236533.1	17
## ENSG00000207218.1	0
## ENSG00000214691.9	19
## ENSG00000223245.1	0
## ENSG00000234362.7	10
## ENSG00000205086.8	4
## ENSG00000226398.1	7
## ENSG00000162878.13	25411
## ENSG00000224875.2	0
## ENSG00000143924.19	18126
## ENSG00000115944.15	9381
## ENSG00000221300.1	0
## ENSG00000171126.8	31
## ENSG00000232526.1	0
## ENSG00000236913.1	2
## ENSG00000057935.14	6681
## ENSG00000273913.1	0

## ENSG00000215263.2	0
## ENSG00000226523.1	0
## ENSG00000200550.1	12
## ENSG00000162881.7	103
## ENSG00000162882.15	503
## ENSG00000288886.2	469
## ENSG00000289082.1	40
## ENSG00000226491.1	30
## ENSG00000232202.1	10
## ENSG00000231826.9	49
## ENSG00000233978.1	1
## ENSG00000207087.1	0
## ENSG00000230587.5	8
## ENSG00000286796.1	1
## ENSG00000287387.1	7
## ENSG00000152518.8	14601
## ENSG00000279873.2	10
## ENSG00000234936.1	4
## ENSG00000115970.19	6049
## ENSG00000252804.1	0
## ENSG00000264071.2	0
## ENSG00000207411.1	0
## ENSG00000152527.14	501
## ENSG00000223658.8	14
## ENSG00000229695.1	0
## ENSG00000252490.1	0
## ENSG00000138036.18	1728
## ENSG00000138075.14	8
## ENSG00000143921.9	2
## ENSG00000138095.20	40267
## ENSG00000200924.1	4
## ENSG00000264047.2	0
## ENSG00000288707.1	0
## ENSG00000219391.1	3
## ENSG00000252599.1	0
## ENSG00000224637.1	0
## ENSG00000273106.1	1
## ENSG00000138032.21	3276
## ENSG00000285542.1	0
## ENSG00000289272.1	9
## ENSG00000226972.2	2
## ENSG00000138079.14	37
## ENSG00000138078.16	5909
## ENSG00000143919.16	775
## ENSG00000259439.3	2
## ENSG00000278957.1	0
## ENSG00000274520.1	0
## ENSG00000277311.1	0
## ENSG00000276229.1	0
## ENSG00000277809.1	0
## ENSG00000276048.1	0
## ENSG00000274547.1	0
## ENSG00000276670.1	0
## ENSG00000236502.3	0

## ENSG00000138083.5	5
## ENSG00000225156.2	0
## ENSG00000231848.1	6
## ENSG00000170577.8	58
## ENSG00000231156.1	0
## ENSG00000205054.9	0
## ENSG00000231054.1	0
## ENSG00000286728.1	0
## ENSG00000286519.1	3
## ENSG00000068784.13	2680
## ENSG00000239396.3	0
## ENSG00000171132.14	975
## ENSG00000228481.1	0
## ENSG00000233829.1	0
## ENSG00000232696.1	0
## ENSG00000231336.1	1
## ENSG00000233335.1	0
## ENSG00000278764.1	0
## ENSG00000116016.14	5131
## ENSG00000228100.2	0
## ENSG00000187600.14	0
## ENSG00000284608.1	0
## ENSG00000253515.2	0
## ENSG00000241791.3	0
## ENSG00000284701.1	0
## ENSG00000250565.7	902
## ENSG00000119729.12	4577
## ENSG00000250116.2	12
## ENSG00000151665.13	1782
## ENSG00000119878.6	2171
## ENSG00000279254.1	9
## ENSG00000222005.9	2
## ENSG00000171150.9	2739
## ENSG00000239332.7	22
## ENSG00000226548.1	3
## ENSG00000228925.1	17
## ENSG00000180398.13	18262
## ENSG00000068724.18	2644
## ENSG00000272814.1	0
## ENSG00000233845.1	1
## ENSG00000239605.11	0
## ENSG00000273269.3	0
## ENSG00000225187.1	0
## ENSG00000143933.20	64158
## ENSG00000234690.7	85
## ENSG00000226087.4	0
## ENSG00000236824.2	56
## ENSG00000119888.11	49408
## ENSG00000222685.1	0
## ENSG00000207923.1	3
## ENSG00000277396.1	1
## ENSG00000095002.15	8321
## ENSG00000184261.5	37
## ENSG00000235760.4	9

## ENSG00000230979.3	199
## ENSG00000116062.19	23582
## ENSG00000224443.1	0
## ENSG00000224058.2	0
## ENSG00000283502.1	0
## ENSG00000138081.22	5736
## ENSG00000235369.1	0
## ENSG00000236549.1	0
## ENSG00000233230.3	15
## ENSG00000230773.9	23
## ENSG00000226473.2	0
## ENSG00000275423.1	0
## ENSG00000201010.1	0
## ENSG00000170802.17	2224
## ENSG00000251889.1	0
## ENSG00000272663.1	22
## ENSG00000162869.16	2734
## ENSG00000202227.1	0
## ENSG00000243244.7	627
## ENSG00000068781.21	5
## ENSG00000242441.8	1
## ENSG00000279956.1	0
## ENSG00000239995.2	0
## ENSG00000138039.15	6
## ENSG00000232285.1	0
## ENSG00000282890.1	0
## ENSG00000214602.3	0
## ENSG00000170820.12	20
## ENSG00000212036.3	0
## ENSG00000282998.1	0
## ENSG00000206915.1	0
## ENSG00000282828.2	0
## ENSG00000234253.1	0
## ENSG00000212580.1	0
## ENSG00000179915.25	281
## ENSG00000285548.1	0
## ENSG00000230327.1	0
## ENSG00000283058.1	0
## ENSG00000216191.1	0
## ENSG00000238165.1	2
## ENSG00000286412.1	1
## ENSG00000231918.1	0
## ENSG00000287867.1	0
## ENSG00000224344.1	0
## ENSG00000223710.1	0
## ENSG00000230840.1	0
## ENSG00000226366.1	0
## ENSG00000287344.1	0
## ENSG00000236538.1	0
## ENSG00000202195.1	0
## ENSG00000225444.2	0
## ENSG00000225842.1	0
## ENSG00000236837.1	0
## ENSG00000204993.3	9

## ENSG00000233083.1	0
## ENSG00000264975.1	0
## ENSG00000228033.6	3
## ENSG00000232604.1	0
## ENSG00000232668.1	0
## ENSG00000251942.1	0
## ENSG00000223897.1	0
## ENSG00000115239.24	2188
## ENSG00000207456.1	0
## ENSG00000143942.5	398
## ENSG00000068912.15	5988
## ENSG00000265452.1	3
## ENSG00000119737.6	31
## ENSG00000068878.15	17526
## ENSG00000170634.13	403
## ENSG00000235937.1	0
## ENSG00000233266.1	20
## ENSG00000241114.1	0
## ENSG00000272156.1	21
## ENSG00000289065.1	1
## ENSG00000252934.1	0
## ENSG00000178021.11	0
## ENSG00000177994.16	3
## ENSG00000115306.17	61508
## ENSG00000228108.1	0
## ENSG00000237887.1	0
## ENSG00000234943.2	1
## ENSG00000289627.1	0
## ENSG00000238018.2	29
## ENSG00000214595.13	93
## ENSG00000231334.2	0
## ENSG00000285519.1	0
## ENSG00000252507.1	0
## ENSG00000115310.19	33558
## ENSG00000200086.1	0
## ENSG00000290071.1	1
## ENSG00000162994.16	306
## ENSG00000203327.2	5
## ENSG00000227799.1	19
## ENSG00000143947.15	104064
## ENSG00000289606.1	14
## ENSG00000085760.15	4460
## ENSG00000293422.1	34
## ENSG00000162997.16	0
## ENSG00000240401.9	11
## ENSG00000206964.1	3
## ENSG00000115355.18	4538
## ENSG00000233594.2	13
## ENSG00000238619.1	0
## ENSG00000238493.1	0
## ENSG00000239189.1	0
## ENSG00000163001.12	5671
## ENSG00000275052.5	11956
## ENSG00000212175.1	2

## ENSG00000272606.2	0
## ENSG00000138035.15	8558
## ENSG00000115380.20	16783
## ENSG00000202344.1	3
## ENSG00000272180.1	18
## ENSG00000226702.2	79
## ENSG00000207548.3	0
## ENSG00000207798.1	0
## ENSG00000211520.2	0
## ENSG00000229805.1	0
## ENSG00000271894.1	0
## ENSG00000233251.8	357
## ENSG00000055813.6	44
## ENSG00000199395.1	0
## ENSG00000231570.1	0
## ENSG00000271115.1	0
## ENSG00000285755.2	5
## ENSG00000270569.1	0
## ENSG00000212168.1	0
## ENSG00000293318.1	0
## ENSG00000271615.3	0
## ENSG00000028116.18	2156
## ENSG00000287875.1	2
## ENSG00000115392.13	2073
## ENSG00000273063.1	1
## ENSG00000233426.3	258
## ENSG00000225226.2	0
## ENSG00000233723.11	57
## ENSG00000289529.2	0
## ENSG00000231043.3	16
## ENSG00000285673.1	0
## ENSG00000222030.1	2
## ENSG00000271955.2	2
## ENSG00000233891.8	0
## ENSG00000231815.2	0
## ENSG00000270447.1	0
## ENSG00000200101.1	0
## ENSG00000252726.1	0
## ENSG00000286604.1	0
## ENSG00000285611.2	0
## ENSG00000228590.4	1
## ENSG00000287640.1	0
## ENSG00000200807.1	0
## ENSG00000266078.1	0
## ENSG00000119866.22	568
## ENSG00000233953.1	2
## ENSG00000242158.3	0
## ENSG00000271134.1	0
## ENSG00000213495.3	0
## ENSG00000252718.1	0
## ENSG00000271707.1	8
## ENSG00000115421.13	2717
## ENSG00000228414.8	3
## ENSG00000241524.3	0

## ENSG00000237024.1	0
## ENSG00000162924.16	660
## ENSG00000201076.1	0
## ENSG00000267520.2	0
## ENSG00000237522.1	12
## ENSG00000232713.2	8
## ENSG00000162927.14	328
## ENSG00000222251.1	0
## ENSG00000162928.9	3782
## ENSG00000162929.14	2283
## ENSG00000274769.1	0
## ENSG00000212978.6	658
## ENSG00000237651.8	81
## ENSG00000271889.1	2
## ENSG00000293434.1	451
## ENSG00000173209.24	0
## ENSG00000115464.15	11391
## ENSG00000273302.1	2
## ENSG00000271146.1	0
## ENSG00000234624.2	0
## ENSG00000206937.1	0
## ENSG00000270820.8	30
## ENSG00000082898.19	25956
## ENSG00000285857.1	4
## ENSG00000271243.1	0
## ENSG00000226884.1	0
## ENSG00000206973.1	0
## ENSG00000213486.3	0
## ENSG00000289410.2	15
## ENSG00000289855.1	2
## ENSG00000227361.1	1
## ENSG00000229831.2	0
## ENSG00000170264.13	1051
## ENSG00000289247.1	3
## ENSG00000230702.1	2
## ENSG00000277498.1	0
## ENSG00000115484.15	37695
## ENSG00000236498.1	4
## ENSG00000286360.1	14
## ENSG00000173163.11	1388
## ENSG00000278523.1	0
## ENSG00000229839.6	18
## ENSG00000242735.1	0
## ENSG00000271657.1	0
## ENSG00000170340.11	8334
## ENSG00000266097.1	0
## ENSG00000239958.3	0
## ENSG00000228541.3	17
## ENSG00000270335.1	0
## ENSG00000241625.3	0
## ENSG00000186889.10	539
## ENSG00000233702.1	0
## ENSG00000229503.1	12
## ENSG00000226622.7	1

## ENSG00000232144.1	0
## ENSG00000230595.1	0
## ENSG00000115504.15	14073
## ENSG00000252436.1	0
## ENSG00000286524.1	1
## ENSG00000226605.1	0
## ENSG00000237162.1	0
## ENSG00000231609.7	58
## ENSG00000115507.10	233
## ENSG00000270437.1	0
## ENSG00000286480.1	0
## ENSG00000232403.1	1
## ENSG00000293077.1	0
## ENSG00000242412.2	0
## ENSG00000143951.16	490
## ENSG00000283636.1	1
## ENSG00000233716.1	0
## ENSG00000279485.1	0
## ENSG00000014641.21	19946
## ENSG00000228305.2	48
## ENSG00000293170.1	1
## ENSG00000229920.3	0
## ENSG00000234488.1	2
## ENSG00000228872.2	2
## ENSG00000229221.1	1
## ENSG00000289943.1	9
## ENSG00000169764.16	10041
## ENSG00000251775.1	0
## ENSG00000143952.20	4056
## ENSG00000228079.2	5
## ENSG00000197329.12	3177
## ENSG00000225889.10	18
## ENSG00000230923.2	0
## ENSG00000270354.1	0
## ENSG00000288932.2	0
## ENSG00000290118.1	0
## ENSG00000238012.2	0
## ENSG00000289176.1	0
## ENSG00000238201.1	0
## ENSG00000264297.2	0
## ENSG00000283222.1	0
## ENSG00000236148.5	36
## ENSG00000223935.3	15
## ENSG00000237217.1	0
## ENSG00000119862.13	3342
## ENSG00000223863.1	0
## ENSG00000260101.2	13
## ENSG00000119844.17	2894
## ENSG00000283204.1	1
## ENSG00000252414.1	0
## ENSG00000233694.6	0
## ENSG00000179833.4	4121
## ENSG00000226756.1	1
## ENSG00000227791.3	1

## ENSG00000288986.1	0
## ENSG00000275588.1	0
## ENSG00000199964.1	0
## ENSG00000287123.1	0
## ENSG00000234572.1	1
## ENSG00000237638.3	153
## ENSG00000244534.3	0
## ENSG00000227394.1	3
## ENSG00000115902.11	2637
## ENSG00000252892.1	3
## ENSG00000232613.7	2
## ENSG00000011523.15	3934
## ENSG00000138069.18	22189
## ENSG00000272025.1	0
## ENSG00000293332.1	37
## ENSG00000273763.5	0
## ENSG00000172974.11	530
## ENSG00000138071.15	44506
## ENSG00000198369.10	5613
## ENSG00000232693.2	0
## ENSG00000204929.13	2
## ENSG00000234255.9	0
## ENSG00000237979.1	0
## ENSG00000223739.1	0
## ENSG00000243029.3	0
## ENSG00000251900.1	0
## ENSG00000235725.1	0
## ENSG00000281920.1	1
## ENSG00000214533.3	6
## ENSG00000280257.1	0
## ENSG00000227293.1	0
## ENSG00000225815.2	3
## ENSG00000264525.1	0
## ENSG00000232164.1	1
## ENSG00000226819.1	64
## ENSG00000143995.20	8262
## ENSG00000230749.5	13
## ENSG00000232046.7	88
## ENSG00000237179.6	22
## ENSG00000224071.1	0
## ENSG00000230355.1	0
## ENSG00000230525.6	8
## ENSG00000232688.2	0
## ENSG00000223859.1	21
## ENSG00000235885.8	24
## ENSG00000236780.7	118
## ENSG00000236605.1	0
## ENSG00000289533.1	0
## ENSG00000143971.9	2077
## ENSG00000224173.2	8
## ENSG00000235495.1	0
## ENSG00000286002.1	0
## ENSG00000237013.1	2
## ENSG00000235968.1	0

## ENSG00000197223.12	1453
## ENSG00000284932.1	1
## ENSG00000243667.7	386
## ENSG00000236259.1	0
## ENSG00000273398.6	4
## ENSG00000115946.8	4402
## ENSG00000221823.11	4818
## ENSG00000273275.1	0
## ENSG00000289156.2	3
## ENSG00000273064.1	5
## ENSG00000119865.9	7
## ENSG00000203395.2	0
## ENSG00000115956.10	0
## ENSG00000229462.1	0
## ENSG00000204923.4	177
## ENSG00000169621.11	649
## ENSG00000214525.4	0
## ENSG00000169618.7	89
## ENSG00000163219.12	21
## ENSG00000228329.3	0
## ENSG00000237576.2	0
## ENSG00000163217.2	182
## ENSG00000283586.1	9
## ENSG00000183607.10	1
## ENSG00000169605.7	0
## ENSG00000169604.21	11901
## ENSG00000286347.1	0
## ENSG00000266649.1	0
## ENSG00000251850.1	0
## ENSG00000199460.2	1
## ENSG00000271597.1	0
## ENSG00000198380.13	18179
## ENSG00000252250.1	0
## ENSG00000169599.13	2174
## ENSG00000115977.21	3529
## ENSG00000244236.3	0
## ENSG00000207016.1	1
## ENSG00000232228.1	10
## ENSG00000229948.2	0
## ENSG00000196975.16	30923
## ENSG00000289250.1	2
## ENSG00000231024.1	3
## ENSG00000288869.2	7786
## ENSG00000087338.5	8251
## ENSG00000275381.1	5
## ENSG00000270723.1	1
## ENSG00000124380.11	3453
## ENSG00000059728.11	1065
## ENSG00000244617.3	0
## ENSG00000179818.17	857
## ENSG00000263669.2	0
## ENSG00000169564.7	3706
## ENSG00000233060.1	0
## ENSG00000225392.1	0

## ENSG00000231327.3	32
## ENSG00000115998.8	814
## ENSG00000116001.17	6928
## ENSG00000221238.1	0
## ENSG00000231414.1	33
## ENSG00000116005.12	18827
## ENSG00000143977.14	7976
## ENSG00000035141.10	9315
## ENSG00000233849.1	0
## ENSG00000235289.1	0
## ENSG00000229229.1	0
## ENSG00000163235.16	385
## ENSG00000224606.1	0
## ENSG00000075340.23	575
## ENSG00000286979.1	0
## ENSG00000235035.1	0
## ENSG00000183733.6	1
## ENSG00000228034.1	2
## ENSG00000152672.8	0
## ENSG00000231386.1	0
## ENSG00000116031.9	1
## ENSG00000237751.2	0
## ENSG00000277764.1	0
## ENSG00000116035.4	8
## ENSG00000116039.13	0
## ENSG00000258881.6	0
## ENSG00000239322.1	0
## ENSG00000226186.1	0
## ENSG00000241159.3	0
## ENSG00000144043.13	5079
## ENSG00000144031.12	102
## ENSG00000228384.4	0
## ENSG00000236469.1	0
## ENSG00000290930.1	0
## ENSG00000205847.7	0
## ENSG00000234485.5	0
## ENSG00000234896.1	0
## ENSG00000124357.13	1630
## ENSG00000272735.2	3
## ENSG00000124370.11	258
## ENSG00000288065.1	8
## ENSG00000124383.11	6200
## ENSG00000233870.1	17
## ENSG00000124374.9	2882
## ENSG00000075292.19	13921
## ENSG00000281195.1	11
## ENSG00000200779.1	0
## ENSG00000289463.1	15
## ENSG00000289327.2	0
## ENSG00000135636.16	404
## ENSG00000233971.1	7
## ENSG00000003137.9	1569
## ENSG00000289615.2	17
## ENSG00000144036.16	11792

## ENSG00000228568.1	0
## ENSG00000222536.1	0
## ENSG00000212378.1	0
## ENSG00000116096.6	3095
## ENSG00000135638.14	27
## ENSG00000278060.1	0
## ENSG00000144040.13	1883
## ENSG00000135631.17	4693
## ENSG00000272702.1	11
## ENSG00000214513.4	5
## ENSG00000135632.12	4650
## ENSG00000135617.4	543
## ENSG00000135624.17	52141
## ENSG00000163013.12	1577
## ENSG00000135625.8	8
## ENSG00000252988.1	0
## ENSG00000287435.1	9
## ENSG00000285068.1	0
## ENSG00000214484.3	0
## ENSG00000116127.20	4398
## ENSG00000230002.3	37
## ENSG00000284902.1	1
## ENSG00000144035.4	2
## ENSG00000290727.1	17
## ENSG00000163016.11	0
## ENSG00000204872.4	1
## ENSG00000144034.16	2456
## ENSG00000273245.1	7
## ENSG00000280037.1	4
## ENSG00000144048.11	1867
## ENSG00000187833.8	0
## ENSG00000287250.1	3
## ENSG00000124356.17	5752
## ENSG00000286244.1	1
## ENSG00000271536.1	0
## ENSG00000163017.14	707
## ENSG00000114956.20	4866
## ENSG00000237883.4	21
## ENSG00000201876.1	0
## ENSG00000187605.16	5828
## ENSG00000235499.1	0
## ENSG00000279181.1	0
## ENSG00000257800.1	31
## ENSG00000217702.3	3
## ENSG00000163170.12	1170
## ENSG00000225439.4	997
## ENSG00000114978.18	12745
## ENSG00000065911.13	17643
## ENSG00000279201.1	0
## ENSG00000279070.2	4
## ENSG00000264324.1	8
## ENSG00000188687.18	33
## ENSG00000229798.1	6
## ENSG00000252214.1	0

## ENSG00000234632.1	0
## ENSG00000225658.1	0
## ENSG00000204843.13	19259
## ENSG00000237737.6	12
## ENSG00000159239.13	0
## ENSG00000234521.2	0
## ENSG00000284308.2	66
## ENSG00000286623.1	3
## ENSG00000233155.1	33
## ENSG00000005448.17	2329
## ENSG00000114993.17	5105
## ENSG00000115274.15	16
## ENSG00000274049.4	1
## ENSG00000239779.7	676
## ENSG00000115275.15	9351
## ENSG00000286883.1	0
## ENSG00000204822.7	1
## ENSG00000135637.14	1203
## ENSG00000115282.21	1268
## ENSG00000179528.16	125
## ENSG00000272183.1	12
## ENSG00000257702.5	422
## ENSG00000115289.14	783
## ENSG00000115297.11	2
## ENSG00000144045.14	98
## ENSG00000115307.17	8053
## ENSG00000115317.13	2063
## ENSG00000115318.12	1425
## ENSG00000115325.14	1529
## ENSG00000159374.18	89
## ENSG00000233872.1	0
## ENSG00000108442.2	0
## ENSG00000135622.13	943
## ENSG00000286739.2	4
## ENSG00000287687.2	0
## ENSG00000224646.2	0
## ENSG00000272711.1	295
## ENSG00000159399.10	7591
## ENSG00000204792.2	0
## ENSG00000236209.1	0
## ENSG00000230836.1	0
## ENSG00000115350.12	1047
## ENSG00000115353.11	75
## ENSG00000263909.1	0
## ENSG00000270571.2	26
## ENSG00000236167.1	0
## ENSG00000115363.14	203
## ENSG00000237293.1	0
## ENSG00000238410.1	0
## ENSG00000231172.2	0
## ENSG00000230477.1	0
## ENSG00000221638.2	0
## ENSG00000115364.14	8660
## ENSG00000226247.1	0

## ENSG00000005436.14	2528
## ENSG00000270696.1	0
## ENSG00000271452.1	27
## ENSG00000270462.1	3
## ENSG00000286045.1	10
## ENSG00000270996.1	14
## ENSG00000287474.1	0
## ENSG00000233107.1	0
## ENSG00000287172.1	0
## ENSG00000287749.1	0
## ENSG00000228209.1	0
## ENSG00000271356.1	0
## ENSG00000200488.1	0
## ENSG00000251947.1	0
## ENSG00000287026.1	0
## ENSG00000287130.1	0
## ENSG00000286202.1	0
## ENSG00000176204.14	62
## ENSG00000200028.1	0
## ENSG00000287025.1	0
## ENSG00000234653.1	0
## ENSG00000286932.1	1
## ENSG00000227088.2	0
## ENSG00000230968.1	0
## ENSG00000293093.1	0
## ENSG00000237077.2	0
## ENSG00000233605.3	0
## ENSG00000229494.2	2
## ENSG00000214429.3	0
## ENSG00000270470.1	0
## ENSG00000234877.2	0
## ENSG00000286260.1	0
## ENSG00000202423.1	0
## ENSG00000200048.1	0
## ENSG00000143954.13	1
## ENSG00000172023.8	0
## ENSG00000115386.6	10
## ENSG00000290771.1	0
## ENSG00000204787.9	0
## ENSG00000172016.16	2
## ENSG00000224879.1	0
## ENSG00000066032.19	787
## ENSG00000286227.1	0
## ENSG00000229385.2	2
## ENSG00000277171.1	0
## ENSG00000230237.1	0
## ENSG00000252031.1	1
## ENSG00000266436.1	0
## ENSG00000276917.1	0
## ENSG00000224731.1	0
## ENSG00000223427.1	3
## ENSG00000162951.11	359
## ENSG00000237031.7	0
## ENSG00000230975.1	1

## ENSG00000234429.1	1
## ENSG00000231722.1	0
## ENSG00000235519.3	0
## ENSG00000200890.1	0
## ENSG00000233444.1	0
## ENSG00000242118.3	0
## ENSG00000231781.1	0
## ENSG00000229560.1	0
## ENSG00000252897.1	0
## ENSG00000201311.1	0
## ENSG00000237498.3	0
## ENSG00000226860.1	0
## ENSG00000226700.1	0
## ENSG00000225045.1	0
## ENSG00000224695.1	0
## ENSG00000227789.1	0
## ENSG00000286211.1	0
## ENSG00000168129.8	0
## ENSG00000223977.1	0
## ENSG00000232548.1	0
## ENSG00000224627.1	0
## ENSG00000199295.1	0
## ENSG00000228225.1	0
## ENSG00000228902.1	0
## ENSG00000293083.1	0
## ENSG00000182814.8	0
## ENSG00000228272.1	0
## ENSG00000163541.12	9327
## ENSG00000289076.2	20
## ENSG00000115423.19	158
## ENSG00000259056.1	1
## ENSG00000235847.2	5
## ENSG00000186854.11	700
## ENSG00000276362.1	0
## ENSG00000213400.3	1
## ENSG00000034510.6	126054
## ENSG00000213399.3	46
## ENSG00000287625.1	26
## ENSG00000290085.1	43
## ENSG00000176407.18	5710
## ENSG00000260840.2	0
## ENSG00000235463.1	0
## ENSG00000225787.1	5
## ENSG00000152284.5	3815
## ENSG00000231134.1	0
## ENSG00000200701.1	0
## ENSG00000230299.1	0
## ENSG00000246575.2	8
## ENSG00000152291.15	13884
## ENSG00000290110.1	2
## ENSG00000239143.1	0
## ENSG00000270532.1	9
## ENSG00000042445.14	3633
## ENSG00000115459.18	1109

## ENSG00000271014.1	0
## ENSG00000202382.1	1
## ENSG00000278590.1	0
## ENSG00000273196.1	1
## ENSG00000042493.16	3094
## ENSG00000286011.2	9
## ENSG00000152292.18	1
## ENSG00000207207.1	0
## ENSG00000244399.3	1
## ENSG00000199936.1	0
## ENSG00000229648.1	0
## ENSG00000286532.2	90
## ENSG00000168906.13	15689
## ENSG00000115486.13	4893
## ENSG00000118640.11	4371
## ENSG00000276281.1	0
## ENSG00000168899.5	305
## ENSG00000288858.2	5
## ENSG00000168894.10	2978
## ENSG00000168890.14	994
## ENSG00000168883.20	10258
## ENSG00000168887.11	2175
## ENSG00000168878.19	2
## ENSG00000115523.17	1
## ENSG00000203363.2	0
## ENSG00000199687.1	0
## ENSG00000168874.13	32
## ENSG00000278783.1	0
## ENSG00000229498.1	0
## ENSG00000252321.1	0
## ENSG00000115525.18	2408
## ENSG00000232504.5	6
## ENSG00000272564.1	1
## ENSG00000287628.1	0
## ENSG00000068654.17	12199
## ENSG00000132300.19	10913
## ENSG00000208772.1	12
## ENSG00000132305.22	18642
## ENSG00000200241.1	0
## ENSG00000265420.1	0
## ENSG00000273080.2	157
## ENSG00000132313.15	5107
## ENSG00000068615.20	2884
## ENSG00000202537.1	0
## ENSG00000251974.1	0
## ENSG00000115548.17	7583
## ENSG00000115561.16	6423
## ENSG00000249884.8	20
## ENSG00000200563.1	1
## ENSG00000228363.2	4
## ENSG00000239305.7	1774
## ENSG00000153561.13	8981
## ENSG00000153563.17	8
## ENSG00000172116.23	25

## ENSG00000291013.1	0
## ENSG00000233673.8	49
## ENSG00000213605.2	0
## ENSG00000187627.18	1
## ENSG00000231351.2	6
## ENSG00000226114.1	0
## ENSG00000183281.15	5
## ENSG00000285793.1	104
## ENSG00000231259.5	0
## ENSG00000266931.2	0
## ENSG00000287931.1	5
## ENSG00000230395.1	0
## ENSG00000204745.4	276
## ENSG00000264793.1	0
## ENSG00000233671.1	0
## ENSG00000281477.1	0
## ENSG00000271097.1	0
## ENSG00000287763.1	8
## ENSG00000233999.3	0
## ENSG00000224881.1	0
## ENSG00000280721.1	0
## ENSG00000222041.13	128
## ENSG00000284879.1	40
## ENSG00000273445.1	0
## ENSG00000214354.3	5
## ENSG00000265507.1	0
## ENSG00000225933.1	0
## ENSG00000289429.1	0
## ENSG00000234231.4	0
## ENSG00000125551.19	6
## ENSG00000185304.16	76
## ENSG00000229604.2	8
## ENSG00000225428.1	0
## ENSG00000233205.1	8
## ENSG00000275597.1	0
## ENSG00000288437.1	0
## ENSG00000222724.1	0
## ENSG00000287670.1	40
## ENSG00000172086.9	1744
## ENSG00000115593.15	3
## ENSG00000265003.1	0
## ENSG00000163586.10	662
## ENSG00000288734.2	1
## ENSG00000144115.18	1540
## ENSG00000232508.1	1
## ENSG00000283262.1	0
## ENSG00000212133.1	0
## ENSG00000252395.2	0
## ENSG00000224291.1	0
## ENSG00000214336.5	55
## ENSG00000172073.4	3
## ENSG00000225420.1	2
## ENSG00000172071.15	4790
## ENSG00000234028.4	107

## ENSG00000153574.9	2620
## ENSG00000291127.1	22
## ENSG00000230006.10	0
## ENSG00000290802.1	0
## ENSG00000240040.6	0
## ENSG00000283270.2	0
## ENSG00000265510.1	0
## ENSG00000211592.8	0
## ENSG00000211593.2	0
## ENSG00000211594.2	0
## ENSG00000211595.2	0
## ENSG00000211596.3	0
## ENSG00000211597.2	0
## ENSG00000290104.1	0
## ENSG00000211598.2	0
## ENSG00000211599.2	0
## ENSG00000197794.2	0
## ENSG00000225136.1	0
## ENSG00000253435.1	0
## ENSG00000243466.1	0
## ENSG00000239855.1	0
## ENSG00000243063.1	0
## ENSG00000240671.4	0
## ENSG00000241755.1	0
## ENSG00000253278.1	0
## ENSG00000241351.3	0
## ENSG00000243290.3	0
## ENSG00000253497.1	0
## ENSG00000253265.1	0
## ENSG00000244437.1	0
## ENSG00000240864.3	0
## ENSG00000240382.3	0
## ENSG00000254157.1	0
## ENSG00000253732.1	0
## ENSG00000239951.1	0
## ENSG00000211611.2	0
## ENSG00000253578.1	0
## ENSG00000253625.1	0
## ENSG00000241294.1	0
## ENSG00000253202.1	0
## ENSG00000254098.1	0
## ENSG00000277852.1	0
## ENSG00000244575.3	0
## ENSG00000244116.3	0
## ENSG00000253998.3	0
## ENSG00000243238.1	0
## ENSG00000253158.1	0
## ENSG00000253870.1	0
## ENSG00000242076.3	0
## ENSG00000253860.1	0
## ENSG00000253461.1	0
## ENSG00000253487.1	0
## ENSG00000239862.1	0
## ENSG00000253592.1	0

## ENSG00000242371.1	0
## ENSG00000273962.2	0
## ENSG00000283427.1	0
## ENSG00000290846.1	10
## ENSG00000283196.3	0
## ENSG00000276861.1	0
## ENSG00000283132.1	0
## ENSG00000283214.1	0
## ENSG00000283659.1	0
## ENSG00000251039.3	0
## ENSG00000251546.1	0
## ENSG00000254009.1	0
## ENSG00000250036.1	0
## ENSG00000253127.1	0
## ENSG00000232747.2	0
## ENSG00000253501.1	0
## ENSG00000239975.3	0
## ENSG00000253191.1	0
## ENSG00000253999.1	0
## ENSG00000239571.1	0
## ENSG00000243264.3	0
## ENSG00000242534.3	0
## ENSG00000224607.4	0
## ENSG00000211623.2	0
## ENSG00000254097.1	0
## ENSG00000241566.1	0
## ENSG00000254345.1	0
## ENSG00000253365.1	0
## ENSG00000225523.2	0
## ENSG00000211625.2	0
## ENSG00000253765.1	0
## ENSG00000254220.1	0
## ENSG00000211626.2	0
## ENSG00000242766.1	0
## ENSG00000241244.1	0
## ENSG00000224041.3	0
## ENSG00000254292.1	0
## ENSG00000276566.1	0
## ENSG00000278857.1	0
## ENSG00000211632.4	0
## ENSG00000253906.1	0
## ENSG00000211633.3	0
## ENSG00000242580.1	0
## ENSG00000239819.2	0
## ENSG00000228325.5	0
## ENSG00000275490.1	0
## ENSG00000270999.1	0
## ENSG00000265897.2	0
## ENSG00000281904.1	0
## ENSG00000230964.1	0
## ENSG00000261600.1	0
## ENSG00000291150.1	0
## ENSG00000278131.1	0
## ENSG00000143429.13	0

## ENSG00000222835.1	0
## ENSG00000184303.5	0
## ENSG00000290565.1	0
## ENSG00000230572.6	0
## ENSG00000271627.1	0
## ENSG00000223703.1	5
## ENSG00000232531.3	4
## ENSG00000286698.1	0
## ENSG00000236969.2	0
## ENSG00000235235.6	0
## ENSG00000214330.4	0
## ENSG00000237085.2	0
## ENSG00000227497.1	0
## ENSG00000214329.8	0
## ENSG00000290575.1	0
## ENSG00000226481.3	0
## ENSG00000234898.1	0
## ENSG00000235147.1	0
## ENSG00000223816.5	0
## ENSG00000291142.1	0
## ENSG00000286156.4	0
## ENSG00000290941.1	0
## ENSG00000261522.6	0
## ENSG00000259916.2	0
## ENSG00000237383.1	0
## ENSG00000227265.2	0
## ENSG00000213355.3	2
## ENSG00000234837.1	0
## ENSG00000289811.1	0
## ENSG00000223564.1	0
## ENSG00000232502.1	0
## ENSG00000235571.1	0
## ENSG00000229089.9	0
## ENSG00000291024.1	0
## ENSG00000212140.1	0
## ENSG00000278631.1	0
## ENSG00000291025.1	1
## ENSG00000163060.8	4
## ENSG00000259848.10	0
## ENSG00000237055.1	0
## ENSG00000232128.1	0
## ENSG00000233158.1	0
## ENSG00000231331.1	0
## ENSG00000232594.1	0
## ENSG00000233105.1	0
## ENSG00000224585.1	0
## ENSG00000233447.1	0
## ENSG00000235186.1	0
## ENSG00000277591.1	0
## ENSG00000233850.1	0
## ENSG00000172005.11	2
## ENSG00000231062.1	0
## ENSG00000287362.1	5
## ENSG00000288960.2	0

## ENSG00000144029.14	251
## ENSG00000289685.2	0
## ENSG00000144026.14	862
## ENSG00000275111.5	754
## ENSG00000275768.1	0
## ENSG00000289370.2	24
## ENSG00000233757.7	1873
## ENSG00000155066.16	488
## ENSG00000115041.14	36
## ENSG00000235129.1	0
## ENSG00000115042.10	2057
## ENSG00000248821.1	0
## ENSG00000233275.1	0
## ENSG00000227120.1	0
## ENSG00000204705.3	0
## ENSG00000277747.1	0
## ENSG00000234903.1	0
## ENSG00000144010.11	10
## ENSG00000238162.1	0
## ENSG00000223917.1	0
## ENSG00000237308.1	0
## ENSG00000224719.1	0
## ENSG00000226185.2	0
## ENSG00000272913.2	0
## ENSG00000229689.5	0
## ENSG00000291126.1	0
## ENSG00000236431.1	0
## ENSG00000273305.1	0
## ENSG00000233037.2	0
## ENSG00000168992.4	0
## ENSG00000232717.2	0
## ENSG00000274028.1	0
## ENSG00000230083.1	0
## ENSG00000144015.5	12
## ENSG00000236026.1	0
## ENSG00000271003.1	0
## ENSG00000270193.1	0
## ENSG00000204699.4	0
## ENSG00000275497.1	0
## ENSG00000235959.1	0
## ENSG00000236750.1	0
## ENSG00000235584.3	9
## ENSG00000290897.1	0
## ENSG00000237510.8	0
## ENSG00000232931.6	381
## ENSG00000174501.15	162
## ENSG00000275961.1	0
## ENSG00000291176.1	245
## ENSG00000231584.11	0
## ENSG00000186281.13	6
## ENSG00000274286.2	100
## ENSG00000188886.4	6
## ENSG00000158050.5	171
## ENSG00000228873.1	0

## ENSG00000084090.14	19059
## ENSG000000204685.9	329
## ENSG000000135956.9	6787
## ENSG000000144021.3	8366
## ENSG000000144028.15	42961
## ENSG000000230747.1	0
## ENSG000000198885.10	601
## ENSG000000121152.10	3918
## ENSG000000163121.10	119
## ENSG000000235480.1	2
## ENSG000000196843.17	697
## ENSG000000114982.19	7110
## ENSG000000249715.13	33
## ENSG000000114988.12	3554
## ENSG000000158158.12	2033
## ENSG000000264157.3	0
## ENSG000000273265.1	15
## ENSG000000289135.2	72
## ENSG000000168763.16	4839
## ENSG000000163126.15	15
## ENSG000000213337.9	436
## ENSG000000168758.11	6828
## ENSG000000168754.15	0
## ENSG000000286654.1	0
## ENSG000000274206.1	0
## ENSG000000252845.1	0
## ENSG000000275094.1	0
## ENSG000000273634.1	0
## ENSG000000248134.1	0
## ENSG000000144188.9	1
## ENSG000000230343.1	0
## ENSG000000236847.1	0
## ENSG000000270748.1	0
## ENSG000000271402.1	0
## ENSG000000204670.7	0
## ENSG000000188383.8	20
## ENSG000000144199.12	1269
## ENSG000000279791.1	4
## ENSG000000275655.1	2
## ENSG000000135976.21	166
## ENSG000000277701.5	0
## ENSG000000237837.1	0
## ENSG000000271351.1	0
## ENSG000000276050.1	0
## ENSG000000271015.1	0
## ENSG000000270252.1	0
## ENSG000000271569.1	0
## ENSG000000270450.1	0
## ENSG000000278537.1	0
## ENSG000000270187.1	0
## ENSG000000230606.11	20
## ENSG000000278766.2	0
## ENSG000000196912.13	143
## ENSG000000235833.1	2

## ENSG00000286036.1	8
## ENSG00000228970.6	4
## ENSG00000135940.7	8205
## ENSG00000115073.8	6718
## ENSG00000228486.11	46
## ENSG00000201806.1	0
## ENSG00000115085.15	42
## ENSG00000075568.17	9391
## ENSG00000235734.4	76
## ENSG00000238719.1	0
## ENSG00000168658.20	50
## ENSG00000231635.1	0
## ENSG00000222000.7	5
## ENSG00000144191.12	553
## ENSG00000227987.1	4
## ENSG00000040933.16	2341
## ENSG00000183513.9	1809
## ENSG00000115446.12	2316
## ENSG00000071073.13	5490
## ENSG00000236564.1	0
## ENSG00000226791.9	18
## ENSG00000201070.1	0
## ENSG00000196872.12	272
## ENSG00000238830.1	0
## ENSG00000135951.16	338
## ENSG00000231822.1	33
## ENSG00000241962.9	32
## ENSG00000273045.7	658
## ENSG00000144182.17	264
## ENSG00000273155.1	6
## ENSG00000158411.11	1382
## ENSG00000185414.20	7969
## ENSG00000185674.10	5
## ENSG00000144214.10	23
## ENSG00000115514.12	2974
## ENSG00000158417.12	28209
## ENSG00000135945.10	2017
## ENSG00000273306.1	40
## ENSG00000144218.21	339
## ENSG00000230393.1	9
## ENSG00000232084.5	0
## ENSG00000170500.13	768
## ENSG00000269383.2	0
## ENSG00000270699.1	0
## ENSG00000115526.11	1863
## ENSG00000238029.1	0
## ENSG00000204640.1	0
## ENSG00000204637.4	2
## ENSG00000115539.14	3163
## ENSG00000227259.2	0
## ENSG00000234988.4	0
## ENSG00000287832.1	0
## ENSG00000226034.2	0
## ENSG00000234169.1	0

## ENSG00000228488.1	0
## ENSG00000286737.1	0
## ENSG00000289077.1	0
## ENSG00000170485.17	31
## ENSG00000232034.1	0
## ENSG00000230140.7	0
## ENSG00000223947.1	3
## ENSG00000071082.11	70530
## ENSG00000204634.13	2169
## ENSG00000271532.1	2
## ENSG00000272902.2	46
## ENSG00000158435.8	9872
## ENSG00000163162.9	2850
## ENSG00000212283.1	12
## ENSG00000264857.1	0
## ENSG00000175874.10	55
## ENSG00000226058.1	0
## ENSG00000196460.14	0
## ENSG00000223826.1	0
## ENSG00000237549.1	0
## ENSG00000232556.1	0
## ENSG00000286047.1	0
## ENSG00000286101.1	1
## ENSG00000071054.17	32696
## ENSG00000288948.1	0
## ENSG00000289167.1	0
## ENSG00000281162.4	1
## ENSG00000115590.14	45
## ENSG00000287771.1	0
## ENSG00000115594.12	298
## ENSG00000226925.1	0
## ENSG00000115598.10	10
## ENSG00000205716.4	0
## ENSG00000115602.17	31
## ENSG00000115604.12	43
## ENSG00000236785.1	0
## ENSG00000115607.10	1
## ENSG00000264764.1	0
## ENSG00000236525.1	0
## ENSG00000234389.1	0
## ENSG00000180251.5	485
## ENSG00000115616.3	557
## ENSG00000135953.11	3014
## ENSG00000170417.16	539
## ENSG00000277527.2	1
## ENSG00000224095.1	0
## ENSG00000227680.1	0
## ENSG00000229209.1	0
## ENSG00000227623.1	0
## ENSG00000286290.1	0
## ENSG00000236596.1	0
## ENSG00000221849.2	0
## ENSG00000231723.1	0
## ENSG00000232597.6	0

## ENSG00000236141.2	0
## ENSG00000256637.9	0
## ENSG00000273515.1	0
## ENSG00000228968.1	0
## ENSG00000233955.1	2
## ENSG00000227157.2	0
## ENSG00000225765.3	2
## ENSG00000287793.1	0
## ENSG00000235597.3	1
## ENSG00000234781.2	0
## ENSG00000231626.1	0
## ENSG00000236109.2	0
## ENSG00000288565.1	0
## ENSG00000230690.2	0
## ENSG00000225669.1	0
## ENSG00000228528.2	66
## ENSG00000279904.1	0
## ENSG00000207249.1	0
## ENSG00000234177.5	0
## ENSG00000233639.9	1
## ENSG00000213301.2	0
## ENSG00000269707.2	0
## ENSG00000198914.5	5
## ENSG00000289498.1	0
## ENSG00000229743.6	1
## ENSG00000287135.1	2
## ENSG00000224509.4	27
## ENSG00000135972.9	3962
## ENSG00000231851.6	33
## ENSG00000226508.1	90
## ENSG00000135973.3	0
## ENSG00000272861.1	2
## ENSG00000135966.14	3481
## ENSG00000235319.1	9
## ENSG00000272994.2	173
## ENSG00000135974.10	2401
## ENSG00000115641.19	3267
## ENSG00000238273.3	5
## ENSG00000287036.1	0
## ENSG00000287308.1	1
## ENSG00000071051.14	7657
## ENSG00000290119.1	0
## ENSG00000235522.6	4
## ENSG00000234162.3	1
## ENSG00000119147.10	12
## ENSG00000115652.15	6770
## ENSG00000233339.1	0
## ENSG00000273595.1	0
## ENSG00000213295.3	5
## ENSG00000224061.1	1
## ENSG00000230353.5	0
## ENSG00000233939.1	0
## ENSG00000227513.1	0
## ENSG00000229682.1	0

## ENSG00000235486.1	0
## ENSG00000291125.1	0
## ENSG00000240935.9	0
## ENSG00000153165.19	52
## ENSG00000237666.2	0
## ENSG00000254126.8	19
## ENSG00000232001.2	1
## ENSG00000231505.1	0
## ENSG00000214199.3	252
## ENSG00000144057.16	692
## ENSG00000238250.1	4
## ENSG00000227294.1	0
## ENSG00000286218.2	0
## ENSG00000229360.1	0
## ENSG00000226905.1	0
## ENSG00000229457.1	0
## ENSG00000225588.2	0
## ENSG00000237880.2	3
## ENSG00000224568.3	2
## ENSG00000286769.1	0
## ENSG00000232991.5	0
## ENSG00000230651.8	0
## ENSG00000196862.10	68
## ENSG00000233494.1	0
## ENSG00000227270.1	0
## ENSG00000237745.1	1
## ENSG00000235325.1	2
## ENSG00000115665.9	84
## ENSG00000231221.1	13
## ENSG00000229890.1	1
## ENSG00000225328.2	36
## ENSG00000236877.2	1
## ENSG00000196228.5	5
## ENSG00000227597.1	0
## ENSG00000198203.10	1430
## ENSG00000261209.1	3
## ENSG00000290794.1	5
## ENSG00000237223.7	0
## ENSG00000271070.1	0
## ENSG00000198075.10	3830
## ENSG00000271284.1	0
## ENSG00000135968.22	7903
## ENSG00000214184.3	35
## ENSG00000169756.17	8042
## ENSG00000228763.1	2
## ENSG00000233648.1	0
## ENSG00000235644.1	2
## ENSG00000153201.17	22079
## ENSG00000163006.12	2555
## ENSG00000227470.1	82
## ENSG00000135960.10	482
## ENSG00000277628.1	0
## ENSG00000259863.1	38
## ENSG00000172985.11	587

## ENSG00000264934.1	0
## ENSG00000228551.1	2
## ENSG00000265965.1	0
## ENSG00000186522.15	6050
## ENSG00000237916.1	2
## ENSG00000230696.1	0
## ENSG00000198142.5	2200
## ENSG00000230603.1	0
## ENSG00000231099.1	0
## ENSG00000233307.1	0
## ENSG00000233707.3	8
## ENSG00000282033.1	0
## ENSG00000015568.13	3
## ENSG00000256977.13	0
## ENSG00000284337.1	0
## ENSG00000290731.1	0
## ENSG00000283684.1	0
## ENSG00000186148.14	0
## ENSG00000240069.1	0
## ENSG00000225108.1	0
## ENSG00000204588.5	209
## ENSG00000235721.1	8
## ENSG00000229730.2	0
## ENSG00000283283.2	2
## ENSG00000265682.1	0
## ENSG00000144063.4	25
## ENSG00000264979.1	0
## ENSG00000144061.14	768
## ENSG00000233370.1	0
## ENSG00000175701.11	343
## ENSG00000290732.1	2
## ENSG00000282304.1	0
## ENSG00000261760.9	0
## ENSG00000282785.1	0
## ENSG00000263881.1	0
## ENSG00000283167.2	0
## ENSG00000226991.2	0
## ENSG00000230650.1	41
## ENSG00000175772.11	354
## ENSG00000226065.1	0
## ENSG00000293177.1	1
## ENSG00000273471.1	0
## ENSG00000230596.4	0
## ENSG00000184115.18	0
## ENSG00000290733.1	0
## ENSG00000257207.5	0
## ENSG00000256671.7	1
## ENSG00000227574.2	0
## ENSG00000231583.1	0
## ENSG00000183054.13	0
## ENSG00000231536.1	1
## ENSG00000216867.2	16
## ENSG00000169679.15	8023
## ENSG00000289202.3	1

## ENSG00000235881.2	0
## ENSG00000153093.21	36
## ENSG00000236330.1	20
## ENSG00000172965.17	270
## ENSG00000204581.3	25
## ENSG00000153094.25	1326
## ENSG00000230499.1	1
## ENSG00000227992.1	0
## ENSG00000271590.1	0
## ENSG00000229118.1	0
## ENSG00000270190.1	0
## ENSG00000226928.1	0
## ENSG00000266139.2	0
## ENSG00000223973.3	1
## ENSG00000293111.1	0
## ENSG00000285016.1	0
## ENSG00000280878.1	0
## ENSG00000240350.3	0
## ENSG00000271635.1	0
## ENSG00000225744.1	0
## ENSG00000153107.13	7933
## ENSG00000237583.1	0
## ENSG00000227842.1	0
## ENSG00000228615.1	0
## ENSG00000266063.1	0
## ENSG00000230958.1	0
## ENSG00000236307.2	8
## ENSG00000153208.19	1844
## ENSG00000240183.3	0
## ENSG00000225496.1	2
## ENSG00000232277.1	0
## ENSG00000286904.1	24
## ENSG00000153214.11	3590
## ENSG00000287141.1	1
## ENSG00000144152.13	559
## ENSG00000278962.1	151
## ENSG00000144161.14	1097
## ENSG00000286545.1	16
## ENSG00000188177.15	746
## ENSG00000235258.1	0
## ENSG00000236555.1	0
## ENSG00000169629.12	256
## ENSG00000293401.1	1
## ENSG00000283698.2	0
## ENSG00000114999.8	6934
## ENSG00000125630.16	6473
## ENSG00000207383.1	0
## ENSG00000125611.16	1556
## ENSG00000243389.1	29
## ENSG00000228251.1	26
## ENSG00000231747.1	51
## ENSG00000237753.2	34
## ENSG00000144136.11	12111
## ENSG00000144130.12	5

## ENSG00000169607.13	2178
## ENSG00000115008.6	38
## ENSG00000287937.1	0
## ENSG00000125538.12	30
## ENSG00000280228.1	1
## ENSG00000180152.3	2
## ENSG00000125571.10	2
## ENSG00000227368.1	2
## ENSG00000136688.11	10
## ENSG00000236124.1	0
## ENSG00000232090.2	0
## ENSG00000136694.9	0
## ENSG00000136696.11	0
## ENSG00000136695.15	0
## ENSG00000136697.13	0
## ENSG00000201805.1	0
## ENSG00000136689.20	0
## ENSG00000125637.16	1541
## ENSG00000234174.1	0
## ENSG00000189223.15	1506
## ENSG00000125618.18	61
## ENSG00000234997.3	0
## ENSG00000289035.1	0
## ENSG00000231292.6	0
## ENSG00000272563.1	0
## ENSG00000136682.16	1930
## ENSG00000184492.7	5
## ENSG00000234148.3	0
## ENSG00000231943.11	1
## ENSG00000225398.3	0
## ENSG00000226516.7	1
## ENSG00000287165.1	1
## ENSG00000221055.1	0
## ENSG00000291134.1	92
## ENSG00000146556.17	0
## ENSG00000236397.3	34
## ENSG00000279267.1	173
## ENSG00000293106.1	368
## ENSG00000240356.7	0
## ENSG00000144134.19	663
## ENSG00000144158.4	45
## ENSG00000175509.8	1
## ENSG00000233479.1	0
## ENSG00000227359.1	16
## ENSG00000202427.1	0
## ENSG00000115084.15	5811
## ENSG00000265429.3	0
## ENSG00000244063.1	5
## ENSG00000228857.3	57
## ENSG00000270019.2	10
## ENSG00000115091.12	25306
## ENSG00000279957.1	0
## ENSG00000234199.3	1
## ENSG00000243179.1	0

## ENSG00000212182.2	0
## ENSG00000286513.1	1
## ENSG00000235242.1	0
## ENSG00000231926.1	0
## ENSG00000222923.1	0
## ENSG00000175497.17	2725
## ENSG00000231538.1	0
## ENSG00000235717.1	0
## ENSG00000286776.1	0
## ENSG00000235026.8	163
## ENSG00000230391.1	0
## ENSG00000287451.1	1
## ENSG00000271667.1	0
## ENSG00000224869.1	0
## ENSG00000226341.1	0
## ENSG00000235871.1	0
## ENSG00000230158.1	0
## ENSG00000230950.1	1
## ENSG00000228898.1	0
## ENSG00000239185.1	0
## ENSG00000227291.1	0
## ENSG00000286370.1	0
## ENSG00000238207.2	20
## ENSG00000088205.13	14670
## ENSG00000236255.2	90
## ENSG00000125631.8	0
## ENSG00000290590.1	2
## ENSG00000125633.11	2684
## ENSG00000224967.1	0
## ENSG00000235066.7	0
## ENSG00000272895.1	0
## ENSG00000279227.2	44
## ENSG00000243510.3	0
## ENSG00000125629.16	2956
## ENSG00000226856.9	11
## ENSG00000258910.3	2
## ENSG00000163064.7	9
## ENSG00000019169.11	18
## ENSG00000259094.1	33
## ENSG00000144119.4	598
## ENSG00000264833.1	0
## ENSG00000115107.20	8615
## ENSG00000229867.2	21
## ENSG00000186132.15	454
## ENSG00000155368.18	12479
## ENSG00000171227.7	2891
## ENSG00000080293.10	734
## ENSG00000231013.2	43
## ENSG00000163075.13	590
## ENSG00000144120.13	2068
## ENSG00000229326.3	0
## ENSG00000088179.9	2879
## ENSG00000233741.1	10
## ENSG00000115109.14	5639

## ENSG00000224789.1	0
## ENSG00000202046.1	0
## ENSG00000236878.1	0
## ENSG00000227788.1	0
## ENSG00000233286.1	0
## ENSG00000243104.1	0
## ENSG00000234065.2	3
## ENSG00000223549.1	2
## ENSG00000226479.4	2843
## ENSG00000144118.14	5814
## ENSG00000289091.2	0
## ENSG00000235840.1	0
## ENSG00000163083.6	3058
## ENSG00000280409.1	29
## ENSG00000237614.3	27
## ENSG00000232140.2	44
## ENSG00000201006.1	0
## ENSG00000229774.1	0
## ENSG00000074047.22	1532
## ENSG00000271709.1	0
## ENSG00000201584.1	0
## ENSG00000234455.1	0
## ENSG00000236145.1	0
## ENSG00000115112.8	173
## ENSG00000232723.1	0
## ENSG00000074054.21	9495
## ENSG00000265451.1	3
## ENSG00000264229.1	6
## ENSG00000222467.1	0
## ENSG00000236859.8	347
## ENSG00000230993.1	1
## ENSG00000279721.1	0
## ENSG00000213239.3	0
## ENSG00000155438.12	5137
## ENSG00000211460.12	12814
## ENSG00000270798.1	0
## ENSG00000224655.7	4
## ENSG00000286481.2	7
## ENSG00000287871.1	0
## ENSG00000237856.1	0
## ENSG00000232740.1	0
## ENSG00000287854.1	0
## ENSG00000226708.1	0
## ENSG00000235640.1	0
## ENSG00000227738.1	0
## ENSG00000279874.1	0
## ENSG00000223118.1	0
## ENSG00000228400.2	1
## ENSG00000155052.15	369
## ENSG00000238046.1	0
## ENSG00000286384.1	0
## ENSG00000270815.1	0
## ENSG00000252674.1	0
## ENSG00000206726.1	0

## ENSG00000286206.1	3
## ENSG00000235491.1	170
## ENSG00000224410.1	0
## ENSG00000226813.3	0
## ENSG00000286515.1	0
## ENSG00000290113.1	3
## ENSG00000235774.2	0
## ENSG00000236655.1	0
## ENSG00000213236.3	57
## ENSG00000288524.1	0
## ENSG00000136732.16	5851
## ENSG00000235128.1	2
## ENSG00000206963.1	0
## ENSG00000237524.11	0
## ENSG00000238788.1	0
## ENSG00000260634.2	10
## ENSG00000286971.1	0
## ENSG00000260163.1	4
## ENSG00000136717.15	6694
## ENSG00000286400.1	1
## ENSG00000237630.1	0
## ENSG00000186684.14	487
## ENSG00000226789.1	0
## ENSG00000163161.14	5259
## ENSG00000286145.2	3
## ENSG00000169967.17	2960
## ENSG00000200250.1	0
## ENSG00000236682.4	73
## ENSG00000287742.1	3
## ENSG00000115718.18	135
## ENSG00000264075.1	0
## ENSG00000163166.15	11665
## ENSG00000231731.7	16
## ENSG00000202429.1	1
## ENSG00000169994.20	13
## ENSG00000272789.1	0
## ENSG00000072163.20	816
## ENSG00000144230.17	2
## ENSG00000136709.12	9272
## ENSG00000173349.6	0
## ENSG00000201470.1	0
## ENSG00000200390.1	0
## ENSG00000274010.1	1
## ENSG00000144231.11	6374
## ENSG00000202532.1	0
## ENSG00000244563.1	0
## ENSG00000273950.1	2
## ENSG00000144233.12	6643
## ENSG00000272667.1	203
## ENSG00000286873.1	134
## ENSG00000204399.3	0
## ENSG00000136715.19	6425
## ENSG00000234044.1	0
## ENSG00000200432.1	0

## ENSG00000289982.1	3
## ENSG00000136731.13	24155
## ENSG00000229173.1	0
## ENSG00000232101.1	0
## ENSG00000229758.2	1
## ENSG00000185631.7	3
## ENSG00000238180.1	0
## ENSG00000136720.7	8716
## ENSG00000252742.1	0
## ENSG00000238379.1	0
## ENSG00000227653.1	1
## ENSG00000237532.1	0
## ENSG00000238277.1	0
## ENSG00000204460.3	0
## ENSG00000289374.1	0
## ENSG00000233428.1	1
## ENSG00000229536.3	40
## ENSG00000286957.1	17
## ENSG00000291116.1	0
## ENSG00000237574.1	0
## ENSG00000214100.11	0
## ENSG00000234559.1	0
## ENSG00000290615.1	2
## ENSG00000225449.4	0
## ENSG00000222014.6	6
## ENSG00000284619.1	0
## ENSG00000286026.1	0
## ENSG00000250207.1	0
## ENSG00000217289.3	2
## ENSG00000231147.2	1
## ENSG00000290591.1	20
## ENSG00000286058.1	48
## ENSG00000180178.12	0
## ENSG00000291278.1	6
## ENSG00000231240.1	13
## ENSG00000248313.1	0
## ENSG00000196604.13	39
## ENSG00000228471.1	0
## ENSG00000224087.1	0
## ENSG00000252223.1	0
## ENSG00000290707.1	16
## ENSG00000223760.5	5
## ENSG00000152076.19	445
## ENSG00000136699.20	10601
## ENSG00000152082.15	2818
## ENSG00000152086.9	4
## ENSG00000227632.2	51
## ENSG00000230756.1	6
## ENSG00000213225.8	16
## ENSG00000293150.1	0
## ENSG00000234398.1	0
## ENSG00000236595.1	0
## ENSG00000237722.2	0
## ENSG00000231954.1	0

## ENSG00000236211.1	0
## ENSG00000230496.1	0
## ENSG00000232990.2	0
## ENSG00000249997.1	0
## ENSG00000283940.1	0
## ENSG00000284171.1	0
## ENSG00000230548.1	0
## ENSG00000234934.1	0
## ENSG00000248136.1	0
## ENSG00000233550.1	0
## ENSG00000226915.1	4
## ENSG00000271435.1	0
## ENSG00000224352.1	0
## ENSG00000136710.10	1768
## ENSG00000136718.10	6944
## ENSG00000072135.13	2034
## ENSG00000290596.1	176
## ENSG00000178162.9	0
## ENSG00000230646.1	9
## ENSG00000290599.1	0
## ENSG00000239402.4	0
## ENSG00000196834.14	24
## ENSG00000251973.1	0
## ENSG00000225819.1	0
## ENSG00000274711.1	0
## ENSG00000152093.8	2
## ENSG00000225341.1	0
## ENSG00000290610.1	0
## ENSG00000184761.9	0
## ENSG00000290614.1	0
## ENSG00000183292.14	0
## ENSG00000232408.1	0
## ENSG00000136698.10	115
## ENSG00000277668.1	0
## ENSG00000222038.4	2
## ENSG00000251757.1	0
## ENSG00000290699.1	1
## ENSG00000282944.1	0
## ENSG00000214081.9	0
## ENSG00000240253.7	0
## ENSG00000223349.1	2
## ENSG00000290700.1	133
## ENSG00000173302.5	4
## ENSG00000229797.2	5
## ENSG00000178171.12	635
## ENSG00000232503.1	0
## ENSG00000233221.7	3
## ENSG00000136002.21	52
## ENSG00000281159.1	0
## ENSG00000281516.1	0
## ENSG00000284479.3	9
## ENSG00000152102.18	19016
## ENSG00000115762.17	14558
## ENSG00000230450.1	20

## ENSG00000225448.1	5
## ENSG00000236956.2	20
## ENSG00000285819.1	10
## ENSG00000248796.1	9
## ENSG00000188219.16	79
## ENSG00000212199.1	0
## ENSG00000290654.1	98
## ENSG00000231431.8	20
## ENSG00000236516.1	7
## ENSG00000284604.1	0
## ENSG00000227817.4	1
## ENSG00000284706.1	0
## ENSG00000224425.2	1
## ENSG00000233087.8	33
## ENSG00000283303.1	0
## ENSG00000233285.1	0
## ENSG00000227275.1	0
## ENSG00000235080.2	0
## ENSG00000231777.1	0
## ENSG00000284003.1	0
## ENSG00000283865.1	0
## ENSG00000227661.1	0
## ENSG00000236590.1	0
## ENSG00000234480.1	0
## ENSG00000237910.1	0
## ENSG00000234939.1	0
## ENSG00000234576.2	0
## ENSG00000226831.1	0
## ENSG00000276460.1	0
## ENSG00000223631.2	1
## ENSG00000284659.1	2
## ENSG00000214077.4	16
## ENSG00000217950.4	8
## ENSG00000232742.3	10
## ENSG00000273073.1	3
## ENSG00000173272.16	2727
## ENSG00000075886.11	12
## ENSG00000284149.1	0
## ENSG00000152117.19	12
## ENSG00000293311.1	543
## ENSG00000163040.15	543
## ENSG00000224679.1	3
## ENSG00000286208.1	0
## ENSG00000204434.6	8
## ENSG00000251956.1	0
## ENSG00000224559.2	0
## ENSG00000270930.1	0
## ENSG00000287151.1	192
## ENSG00000288031.1	6
## ENSG00000197927.14	26
## ENSG00000213222.3	51
## ENSG00000290616.1	3
## ENSG00000290594.1	2
## ENSG00000287071.2	1

## ENSG00000290618.1	0
## ENSG00000186825.7	0
## ENSG00000274353.1	0
## ENSG00000229203.1	0
## ENSG00000232760.1	2
## ENSG00000244337.2	0
## ENSG00000235615.2	0
## ENSG00000236485.1	0
## ENSG00000287414.1	0
## ENSG00000226886.1	0
## ENSG00000271179.1	0
## ENSG00000225594.1	0
## ENSG00000227745.1	0
## ENSG00000163046.16	0
## ENSG00000239108.1	0
## ENSG00000202174.1	0
## ENSG00000221288.1	0
## ENSG00000233786.1	1
## ENSG00000230803.1	0
## ENSG00000290902.1	6
## ENSG00000018607.9	2
## ENSG00000272769.2	9
## ENSG00000286833.3	6
## ENSG00000230992.3	11
## ENSG00000252705.1	0
## ENSG00000183840.8	550
## ENSG00000232349.2	0
## ENSG00000200718.1	0
## ENSG00000150551.11	3686
## ENSG00000230065.1	3
## ENSG00000176771.18	1169
## ENSG00000286068.1	0
## ENSG00000228721.1	0
## ENSG00000233729.1	0
## ENSG00000279512.1	1
## ENSG00000226953.8	49
## ENSG00000252688.1	1
## ENSG00000222068.1	0
## ENSG00000232474.1	0
## ENSG00000223430.1	0
## ENSG00000200708.1	0
## ENSG00000286697.1	0
## ENSG00000152127.9	10034
## ENSG00000263813.1	0
## ENSG00000289534.1	0
## ENSG00000222921.1	0
## ENSG00000234060.1	0
## ENSG00000152128.13	199
## ENSG00000287463.1	1
## ENSG00000224043.9	227
## ENSG00000234682.1	0
## ENSG00000228098.1	0
## ENSG00000153086.14	4
## ENSG00000263783.1	1

## ENSG00000082258.13	5028
## ENSG00000176601.14	41
## ENSG00000115839.19	7602
## ENSG00000208308.1	0
## ENSG00000121988.18	1590
## ENSG00000235651.1	2
## ENSG00000048991.18	7488
## ENSG00000201308.1	0
## ENSG00000207654.4	0
## ENSG00000144224.17	18358
## ENSG00000115850.10	105
## ENSG00000200664.1	0
## ENSG00000226806.1	0
## ENSG00000076003.5	17456
## ENSG00000214070.3	0
## ENSG00000115866.11	11317
## ENSG00000231890.10	42
## ENSG00000237262.1	4
## ENSG00000121966.8	669
## ENSG00000289974.1	0
## ENSG00000227347.1	72
## ENSG00000279024.1	0
## ENSG00000230037.1	1
## ENSG00000251976.1	0
## ENSG00000229568.1	0
## ENSG00000144229.13	1248
## ENSG00000212425.1	0
## ENSG00000222394.2	0
## ENSG00000150540.14	403
## ENSG00000224231.2	0
## ENSG00000233045.1	16
## ENSG00000234645.3	23
## ENSG00000237939.1	1
## ENSG00000232915.1	0
## ENSG00000228043.5	22
## ENSG00000230569.1	0
## ENSG00000144228.9	4081
## ENSG00000241772.2	1
## ENSG00000260059.1	1
## ENSG00000237772.2	0
## ENSG00000144227.5	2138
## ENSG00000222826.1	0
## ENSG00000229104.1	0
## ENSG00000232992.2	0
## ENSG00000287147.1	0
## ENSG00000286778.1	0
## ENSG00000226939.1	0
## ENSG00000229131.1	0
## ENSG00000206901.1	0
## ENSG00000235232.1	0
## ENSG00000228374.1	0
## ENSG00000223554.1	0
## ENSG00000240977.3	0
## ENSG00000224028.1	0

## ENSG00000227149.1	0
## ENSG00000231567.1	0
## ENSG00000223921.1	0
## ENSG00000168702.18	80
## ENSG00000277306.1	0
## ENSG00000283506.1	0
## ENSG00000236440.1	0
## ENSG00000238065.1	0
## ENSG00000201892.1	0
## ENSG00000252015.1	0
## ENSG00000233329.1	0
## ENSG00000244125.1	1
## ENSG00000228134.1	0
## ENSG00000229781.1	0
## ENSG00000115919.15	133
## ENSG00000270390.1	0
## ENSG00000075884.14	7
## ENSG00000224288.2	0
## ENSG00000226839.1	0
## ENSG00000224852.1	0
## ENSG00000232772.1	0
## ENSG00000236300.2	0
## ENSG00000227557.1	0
## ENSG00000225476.1	0
## ENSG00000284167.1	0
## ENSG00000231766.1	0
## ENSG00000257284.1	0
## ENSG00000228655.7	0
## ENSG00000283994.1	0
## ENSG00000231758.3	0
## ENSG00000257277.2	5
## ENSG00000257226.2	0
## ENSG00000236356.1	0
## ENSG00000200287.1	0
## ENSG00000232377.1	1
## ENSG00000121964.15	1121
## ENSG00000169554.23	109
## ENSG00000283118.1	0
## ENSG00000279166.1	0
## ENSG00000238057.10	0
## ENSG00000275372.1	0
## ENSG00000273537.1	0
## ENSG00000277444.1	0
## ENSG00000232606.3	0
## ENSG00000287115.2	0
## ENSG00000226674.11	1
## ENSG00000234940.1	0
## ENSG00000276706.1	0
## ENSG00000235352.1	0
## ENSG00000268580.1	0
## ENSG00000235435.1	0
## ENSG00000214064.3	0
## ENSG00000225107.1	0
## ENSG00000286225.1	2

## ENSG00000226218.1	0
## ENSG00000234119.1	0
## ENSG00000233842.2	3
## ENSG00000279876.1	0
## ENSG00000251905.1	0
## ENSG00000230559.1	0
## ENSG00000227134.1	0
## ENSG00000198526.7	0
## ENSG00000231040.3	0
## ENSG00000271583.1	0
## ENSG00000287847.1	0
## ENSG00000207225.1	0
## ENSG00000207161.1	0
## ENSG00000202074.1	0
## ENSG00000253083.1	0
## ENSG00000229143.1	0
## ENSG00000121989.15	2478
## ENSG00000212389.1	0
## ENSG00000223911.1	2
## ENSG00000115947.14	5156
## ENSG00000204406.14	2223
## ENSG00000281469.1	0
## ENSG00000281772.1	0
## ENSG00000212181.1	0
## ENSG00000224007.1	0
## ENSG00000232238.1	0
## ENSG00000135999.12	3035
## ENSG00000222126.1	0
## ENSG00000223962.1	0
## ENSG00000231079.7	6
## ENSG00000228848.3	3
## ENSG00000226340.1	8
## ENSG00000168280.18	8874
## ENSG00000289474.2	7
## ENSG00000286167.1	0
## ENSG00000150556.17	9269
## ENSG00000228236.2	0
## ENSG00000286335.1	7
## ENSG00000224337.1	0
## ENSG00000187123.15	7618
## ENSG00000223604.1	0
## ENSG00000168288.13	11122
## ENSG00000231969.4	33
## ENSG00000207270.1	0
## ENSG00000162947.5	0
## ENSG00000286081.2	0
## ENSG00000230645.2	0
## ENSG00000231420.1	0
## ENSG00000115963.14	6196
## ENSG00000236049.1	0
## ENSG00000237220.1	0
## ENSG00000232359.1	0
## ENSG00000224048.6	0
## ENSG00000228064.1	0

## ENSG00000222031.1	0
## ENSG00000236885.2	0
## ENSG00000213201.3	2
## ENSG00000184898.7	313
## ENSG00000123609.11	173
## ENSG00000123610.5	3
## ENSG00000283569.1	0
## ENSG00000264684.1	0
## ENSG00000242113.3	0
## ENSG00000080345.18	9263
## ENSG00000183091.21	193
## ENSG00000162980.17	4857
## ENSG00000288066.1	825
## ENSG00000283228.1	0
## ENSG00000182389.20	46
## ENSG00000225214.1	0
## ENSG00000115145.10	2293
## ENSG00000234272.1	2
## ENSG00000286234.1	1
## ENSG00000199884.1	0
## ENSG00000157827.20	8531
## ENSG00000213197.3	2
## ENSG00000287085.1	1
## ENSG00000270776.1	0
## ENSG00000286207.1	57
## ENSG00000196504.21	24854
## ENSG00000177917.12	2476
## ENSG00000234932.2	1
## ENSG00000226213.1	0
## ENSG00000214025.2	0
## ENSG00000224612.2	0
## ENSG00000226338.1	0
## ENSG00000227708.1	2
## ENSG00000214024.2	0
## ENSG00000242575.1	11
## ENSG00000227400.2	5
## ENSG00000200377.1	0
## ENSG00000177519.4	123
## ENSG00000236917.1	0
## ENSG00000144278.15	3377
## ENSG00000230251.1	1
## ENSG00000224675.1	18
## ENSG00000238004.1	0
## ENSG00000223290.1	0
## ENSG00000287900.1	297
## ENSG00000162989.5	5255
## ENSG00000228837.2	4
## ENSG00000230991.2	36
## ENSG00000223197.1	0
## ENSG00000232982.1	0
## ENSG00000229701.1	0
## ENSG00000227682.3	0
## ENSG00000293112.1	2
## ENSG00000233709.1	0

## ENSG00000233039.1	1
## ENSG00000233248.1	0
## ENSG00000229935.1	0
## ENSG00000206718.1	0
## ENSG00000286679.1	1
## ENSG00000226383.7	153
## ENSG00000235548.1	0
## ENSG00000282440.1	0
## ENSG00000153234.16	903
## ENSG00000115159.17	14239
## ENSG00000283436.1	0
## ENSG00000238069.1	0
## ENSG00000287048.1	4
## ENSG00000286889.1	1
## ENSG00000286530.1	0
## ENSG00000213194.3	2
## ENSG00000136542.9	1144
## ENSG00000222404.1	1
## ENSG00000136541.15	46
## ENSG00000230562.3	16
## ENSG00000115165.10	31
## ENSG00000123612.16	1989
## ENSG00000234584.1	3
## ENSG00000115170.16	2644
## ENSG00000007001.13	2
## ENSG00000270557.1	6
## ENSG00000251980.1	0
## ENSG00000271320.1	0
## ENSG00000228937.1	0
## ENSG00000212410.1	0
## ENSG00000231158.1	1
## ENSG00000237327.1	0
## ENSG00000227480.2	1
## ENSG00000153237.19	86
## ENSG00000234890.1	1
## ENSG00000243723.3	1
## ENSG00000144283.23	10836
## ENSG00000289488.1	1
## ENSG00000227331.1	1
## ENSG00000204380.4	14
## ENSG00000228586.1	0
## ENSG00000231675.1	1
## ENSG00000163331.12	126
## ENSG00000286621.1	0
## ENSG00000243792.1	0
## ENSG00000251491.2	1
## ENSG00000188668.4	1
## ENSG00000222300.1	0
## ENSG00000115183.15	5461
## ENSG00000213189.5	48
## ENSG00000202029.1	0
## ENSG00000226878.2	0
## ENSG00000275141.1	0
## ENSG00000196151.11	724

## ENSG00000123636.19	4527
## ENSG00000223642.7	0
## ENSG00000270893.1	2
## ENSG00000225369.1	0
## ENSG00000207117.1	0
## ENSG00000224152.3	119
## ENSG00000226266.8	28
## ENSG00000230783.1	2
## ENSG00000136536.15	10062
## ENSG00000241399.7	654
## ENSG00000248672.5	1
## ENSG00000287091.1	55
## ENSG00000054219.11	118
## ENSG00000227055.1	0
## ENSG00000153246.13	244
## ENSG00000115221.12	697
## ENSG00000285155.1	0
## ENSG00000285373.3	1
## ENSG00000153250.21	8364
## ENSG00000283734.1	0
## ENSG00000279844.1	0
## ENSG00000244372.3	0
## ENSG00000232337.1	0
## ENSG00000224467.1	0
## ENSG00000136560.14	1679
## ENSG00000235724.10	10
## ENSG00000227403.3	230
## ENSG00000225813.1	0
## ENSG00000115233.12	13626
## ENSG00000232320.6	40
## ENSG00000271924.1	1
## ENSG00000136535.15	1
## ENSG00000224076.5	0
## ENSG00000251621.1	0
## ENSG00000144290.17	6
## ENSG00000280105.1	0
## ENSG00000226121.2	89
## ENSG00000238570.1	0
## ENSG00000226946.1	0
## ENSG00000288091.1	0
## ENSG00000235716.1	0
## ENSG00000234732.1	0
## ENSG00000197635.11	15435
## ENSG00000230918.3	39
## ENSG00000231445.1	0
## ENSG00000224674.1	0
## ENSG00000233397.3	0
## ENSG00000115263.15	27906
## ENSG00000236841.8	1
## ENSG00000078098.15	14
## ENSG00000115267.10	616
## ENSG00000115271.11	4521
## ENSG00000184611.14	774
## ENSG00000212312.1	0

## ENSG00000237750.2	0
## ENSG00000230282.1	1
## ENSG00000200902.1	0
## ENSG00000182263.14	1469
## ENSG00000237844.2	4
## ENSG00000226847.1	0
## ENSG00000229641.1	0
## ENSG00000115290.11	2086
## ENSG00000277998.1	34
## ENSG00000082438.18	2366
## ENSG00000224331.2	3
## ENSG00000206869.1	1
## ENSG00000236283.5	81
## ENSG00000199508.1	1
## ENSG00000169507.10	75
## ENSG00000223318.1	0
## ENSG00000153253.20	112
## ENSG00000136531.19	94
## ENSG00000233204.1	0
## ENSG00000288089.1	0
## ENSG00000178662.16	370
## ENSG00000115339.14	4010
## ENSG00000235192.1	1
## ENSG00000229195.1	2
## ENSG00000232411.1	1
## ENSG00000123607.16	2420
## ENSG00000224490.5	0
## ENSG00000236107.10	0
## ENSG00000144285.23	1
## ENSG00000238813.1	0
## ENSG00000222376.1	0
## ENSG00000169432.19	864
## ENSG00000136546.17	772
## ENSG00000283657.1	0
## ENSG00000163092.22	21
## ENSG00000225182.1	0
## ENSG00000254552.1	0
## ENSG00000172318.6	5427
## ENSG00000228222.1	3
## ENSG00000238357.1	0
## ENSG00000214211.2	24
## ENSG00000235335.3	2
## ENSG00000198648.12	9760
## ENSG00000238259.1	0
## ENSG00000241074.3	0
## ENSG00000172292.15	6334
## ENSG00000265694.1	0
## ENSG00000199348.1	0
## ENSG00000227617.9	3
## ENSG00000163072.16	565
## ENSG00000152253.9	1200
## ENSG00000152254.11	29
## ENSG00000073734.10	0
## ENSG00000073737.17	0

## ENSG00000235321.1	0
## ENSG00000235995.1	1
## ENSG00000081479.15	9969
## ENSG00000163093.12	308
## ENSG00000251569.1	0
## ENSG00000239474.7	17
## ENSG00000138399.18	2421
## ENSG00000229827.1	1
## ENSG00000138398.17	11416
## ENSG00000154479.13	154
## ENSG00000226072.1	0
## ENSG00000144362.12	244
## ENSG00000213160.10	7411
## ENSG00000206961.1	0
## ENSG00000231550.1	2
## ENSG00000214369.2	0
## ENSG00000138385.16	22989
## ENSG00000138382.15	3442
## ENSG00000144357.18	5002
## ENSG00000227176.1	7
## ENSG00000252807.1	0
## ENSG00000071909.19	3
## ENSG00000231898.9	0
## ENSG00000214821.4	0
## ENSG00000213981.8	3
## ENSG00000275414.1	0
## ENSG00000234350.7	7
## ENSG00000222033.1	4
## ENSG00000204335.4	10
## ENSG00000128692.8	136
## ENSG00000204334.8	147
## ENSG00000222509.1	0
## ENSG00000128683.14	22
## ENSG00000235934.2	3
## ENSG00000286611.1	0
## ENSG00000286115.1	0
## ENSG00000115806.13	11940
## ENSG00000198586.14	5006
## ENSG00000123600.21	2499
## ENSG00000224553.1	2
## ENSG00000115827.14	2612
## ENSG00000228507.1	22
## ENSG00000234061.1	5
## ENSG00000233762.3	359
## ENSG00000071967.12	73
## ENSG00000233934.2	0
## ENSG00000077380.16	18353
## ENSG00000115840.14	93
## ENSG00000252779.1	0
## ENSG00000128708.13	5261
## ENSG00000172878.14	431
## ENSG00000288958.1	0
## ENSG00000144355.15	4
## ENSG00000289413.1	0

## ENSG00000115844.11	1
## ENSG00000236651.1	0
## ENSG00000232555.2	0
## ENSG00000288048.1	1
## ENSG00000286557.1	0
## ENSG00000278924.1	2
## ENSG00000091409.16	10908
## ENSG00000226963.1	0
## ENSG00000232788.1	2
## ENSG00000225205.5	30
## ENSG00000152256.14	2073
## ENSG00000199866.1	0
## ENSG00000230104.1	1
## ENSG00000228016.1	0
## ENSG00000239041.1	0
## ENSG00000091428.18	252
## ENSG00000232292.1	0
## ENSG00000091436.17	3996
## ENSG00000238133.6	4
## ENSG00000231735.1	0
## ENSG00000236391.4	1
## ENSG00000293276.1	1
## ENSG00000144354.15	5181
## ENSG00000213148.3	0
## ENSG00000236832.1	0
## ENSG00000226131.1	1
## ENSG00000237016.1	1
## ENSG00000237617.1	0
## ENSG00000270460.1	0
## ENSG00000234415.1	0
## ENSG00000172845.18	10194
## ENSG00000289296.2	11
## ENSG00000271151.1	10
## ENSG00000273258.1	0
## ENSG00000260868.1	1
## ENSG00000235414.3	0
## ENSG00000138430.16	20827
## ENSG00000270799.1	0
## ENSG00000243770.3	0
## ENSG00000201088.1	0
## ENSG00000227180.1	0
## ENSG00000237804.1	17
## ENSG00000231453.1	0
## ENSG00000280414.1	0
## ENSG00000217236.2	0
## ENSG00000138433.16	3577
## ENSG00000144306.15	1263
## ENSG00000163328.14	103
## ENSG00000226853.5	33
## ENSG00000179997.8	2
## ENSG00000279884.1	0
## ENSG00000236449.2	5
## ENSG00000206965.1	3
## ENSG00000115935.19	3311

## ENSG00000237798.1	0
## ENSG00000290018.1	1793
## ENSG00000235655.3	1982
## ENSG00000138435.16	220
## ENSG00000128656.15	3893
## ENSG00000212167.1	0
## ENSG00000199827.1	0
## ENSG00000227187.1	0
## ENSG00000115966.18	5516
## ENSG00000277948.1	0
## ENSG00000215973.1	0
## ENSG00000229750.1	1
## ENSG00000154518.10	23340
## ENSG00000200121.2	0
## ENSG00000233131.1	4
## ENSG00000229066.2	0
## ENSG00000289349.1	7
## ENSG00000223976.1	0
## ENSG00000235047.1	0
## ENSG00000229779.1	0
## ENSG00000144320.14	2667
## ENSG00000174279.5	0
## ENSG00000128714.6	6
## ENSG00000170178.7	0
## ENSG00000128713.14	0
## ENSG00000128710.6	2
## ENSG00000237380.7	0
## ENSG00000128709.13	0
## ENSG00000175879.9	1
## ENSG00000128652.12	0
## ENSG00000207744.1	0
## ENSG00000170166.6	0
## ENSG00000224189.8	42
## ENSG00000272729.1	0
## ENSG00000226363.4	5
## ENSG00000128645.15	1
## ENSG00000283880.1	0
## ENSG00000279160.1	0
## ENSG00000218175.2	188
## ENSG00000230384.1	0
## ENSG00000128654.14	3220
## ENSG00000237260.1	2
## ENSG00000224577.4	1
## ENSG00000229434.1	0
## ENSG00000236231.1	0
## ENSG00000283203.1	0
## ENSG00000163364.12	0
## ENSG00000252027.1	0
## ENSG00000230552.6	0
## ENSG00000237053.1	0
## ENSG00000223777.1	0
## ENSG00000279205.1	0
## ENSG00000227098.2	0
## ENSG00000206866.1	0

## ENSG00000236501.6	0
## ENSG00000229337.2	23
## ENSG00000251746.1	0
## ENSG00000226273.2	0
## ENSG00000201102.1	0
## ENSG00000213069.3	0
## ENSG00000170144.22	36221
## ENSG00000284252.1	0
## ENSG00000116044.17	21867
## ENSG00000225808.1	46
## ENSG00000265396.1	0
## ENSG00000222043.2	9
## ENSG00000213963.7	565
## ENSG00000271825.1	1
## ENSG00000271996.1	0
## ENSG00000278418.1	0
## ENSG00000237178.2	0
## ENSG00000238295.1	0
## ENSG00000018510.18	13350
## ENSG00000196659.10	1175
## ENSG00000237655.1	0
## ENSG00000197557.7	1468
## ENSG00000128655.19	1344
## ENSG00000229941.6	6
## ENSG00000236664.1	0
## ENSG00000213962.2	3
## ENSG00000229744.1	0
## ENSG00000206788.1	0
## ENSG00000249909.1	0
## ENSG00000227241.1	0
## ENSG00000155636.16	1264
## ENSG00000223096.1	0
## ENSG00000079156.17	932
## ENSG00000223960.9	764
## ENSG00000180228.14	4351
## ENSG00000204311.15	118
## ENSG00000238082.1	9
## ENSG00000079150.19	2874
## ENSG00000116095.11	1550
## ENSG00000237298.11	172
## ENSG00000155657.29	5902
## ENSG00000270956.1	19
## ENSG00000270277.1	18
## ENSG00000279598.1	0
## ENSG00000271011.1	0
## ENSG00000270574.1	5
## ENSG00000271141.1	0
## ENSG00000271401.1	5
## ENSG00000267784.1	5
## ENSG00000287149.1	3
## ENSG00000163492.16	2948
## ENSG00000238542.1	0
## ENSG00000231541.1	0
## ENSG00000187231.14	10103

## ENSG00000237477.1	0
## ENSG00000237964.3	0
## ENSG00000144331.20	718
## ENSG00000213126.2	0
## ENSG00000221240.1	0
## ENSG00000280636.1	0
## ENSG00000202216.2	0
## ENSG00000163510.14	4402
## ENSG00000270289.1	0
## ENSG00000225258.1	0
## ENSG00000281131.1	0
## ENSG00000279559.1	0
## ENSG00000226564.1	103
## ENSG00000236667.1	0
## ENSG00000170035.16	8409
## ENSG00000236153.1	0
## ENSG00000238171.1	0
## ENSG00000234663.7	3
## ENSG00000266705.1	0
## ENSG00000289389.1	0
## ENSG00000226681.1	0
## ENSG00000115232.14	353
## ENSG00000188452.15	206
## ENSG00000162992.5	2617
## ENSG00000234595.1	8
## ENSG00000225570.1	0
## ENSG00000223873.1	3
## ENSG00000221023.1	0
## ENSG00000260742.1	12
## ENSG00000138434.17	5297
## ENSG00000150722.11	222
## ENSG00000213958.2	22
## ENSG00000222418.1	0
## ENSG00000115252.19	58
## ENSG00000287536.1	0
## ENSG00000242121.3	0
## ENSG00000077232.19	25447
## ENSG00000232430.1	0
## ENSG00000212404.1	0
## ENSG00000162998.5	6818
## ENSG00000207178.1	0
## ENSG00000061676.16	24693
## ENSG00000202141.1	0
## ENSG00000221498.1	0
## ENSG00000231203.1	84
## ENSG00000162999.13	151
## ENSG00000224643.5	0
## ENSG00000163002.13	1641
## ENSG00000272800.3	26
## ENSG00000287621.1	1
## ENSG00000213120.3	1
## ENSG00000177855.8	69
## ENSG00000286879.1	0
## ENSG00000234172.1	0

## ENSG00000286807.1	0
## ENSG00000286152.1	0
## ENSG00000286980.1	0
## ENSG00000266808.1	0
## ENSG00000283839.3	0
## ENSG00000170396.9	8
## ENSG00000237824.2	0
## ENSG00000286797.1	157
## ENSG00000225406.1	1
## ENSG00000231646.6	1
## ENSG00000212581.1	1
## ENSG00000226747.6	15
## ENSG00000188738.16	266
## ENSG00000287129.1	0
## ENSG00000224019.1	2
## ENSG00000237877.8	46
## ENSG00000226410.1	0
## ENSG00000232568.2	0
## ENSG00000259915.2	1
## ENSG00000227692.1	9
## ENSG00000065548.18	11312
## ENSG00000224323.2	0
## ENSG00000138448.13	19932
## ENSG00000227227.1	0
## ENSG00000144369.14	1082
## ENSG00000163012.4	0
## ENSG00000226553.1	0
## ENSG00000224063.6	15
## ENSG00000222845.1	0
## ENSG00000199626.1	0
## ENSG00000064989.13	88
## ENSG00000231739.2	0
## ENSG00000003436.16	2120
## ENSG00000231689.3	0
## ENSG00000235616.1	0
## ENSG00000289205.2	0
## ENSG00000213115.2	0
## ENSG00000200650.1	0
## ENSG00000144366.17	3837
## ENSG00000207951.1	0
## ENSG00000223523.1	0
## ENSG00000174325.6	0
## ENSG00000168542.17	7795
## ENSG00000221502.1	0
## ENSG00000283238.1	0
## ENSG00000284180.1	0
## ENSG00000204262.14	5065
## ENSG00000228073.1	0
## ENSG00000264725.1	0
## ENSG00000213601.3	0
## ENSG00000288866.1	4
## ENSG00000115368.10	7146
## ENSG00000233996.1	0
## ENSG00000287418.1	0

## ENSG00000138449.11	3432
## ENSG00000276828.1	0
## ENSG00000138381.10	3275
## ENSG00000286053.2	0
## ENSG00000286165.1	0
## ENSG00000151687.15	83
## ENSG00000128694.12	924
## ENSG00000253559.1	15
## ENSG00000273240.1	4
## ENSG00000128699.14	3284
## ENSG00000064933.19	4502
## ENSG00000187699.10	227
## ENSG00000223824.1	0
## ENSG00000204253.4	323
## ENSG00000213110.2	0
## ENSG00000138379.5	4
## ENSG00000198130.16	4461
## ENSG00000151689.13	2605
## ENSG00000151690.15	3517
## ENSG00000272979.1	14
## ENSG00000290089.1	6
## ENSG00000189362.12	985
## ENSG00000233654.2	92
## ENSG00000251935.1	0
## ENSG00000284052.1	51
## ENSG00000138386.17	5796
## ENSG00000228509.7	16
## ENSG00000235852.1	15
## ENSG00000115419.14	12795
## ENSG00000115415.21	15780
## ENSG00000229023.1	2
## ENSG00000230686.1	0
## ENSG00000231858.5	0
## ENSG00000138378.19	184
## ENSG00000288064.1	0
## ENSG00000207402.1	0
## ENSG00000280083.1	5
## ENSG00000230611.1	3
## ENSG00000227542.1	65
## ENSG00000128641.19	30062
## ENSG00000252130.1	3
## ENSG00000288900.1	0
## ENSG00000173559.15	1466
## ENSG00000274845.1	0
## ENSG00000288582.2	0
## ENSG00000225884.3	0
## ENSG00000168497.5	47
## ENSG00000233766.8	3
## ENSG00000213946.3	2
## ENSG00000144339.12	149
## ENSG00000229395.1	0
## ENSG00000232227.5	0
## ENSG00000227418.6	2
## ENSG00000226242.1	0

## ENSG00000278406.1	0
## ENSG00000286358.1	89
## ENSG00000232658.1	0
## ENSG00000235218.2	0
## ENSG00000224219.1	0
## ENSG00000286868.1	202
## ENSG00000260142.1	2
## ENSG00000224670.1	0
## ENSG00000215043.2	0
## ENSG00000236695.1	0
## ENSG00000225539.9	0
## ENSG00000225394.1	0
## ENSG00000286539.1	0
## ENSG00000276123.1	0
## ENSG00000252517.1	0
## ENSG00000230173.1	0
## ENSG00000235056.1	0
## ENSG00000224099.2	0
## ENSG00000271893.1	0
## ENSG00000202206.1	0
## ENSG00000223466.2	0
## ENSG00000234919.1	0
## ENSG00000196950.14	15124
## ENSG00000213107.2	0
## ENSG00000201813.1	0
## ENSG00000118997.14	118
## ENSG00000203435.2	1
## ENSG00000227878.2	0
## ENSG00000081320.11	1522
## ENSG00000272211.1	4
## ENSG00000138411.13	1068
## ENSG00000229056.2	10
## ENSG00000276200.1	0
## ENSG00000282836.1	1
## ENSG00000144395.18	416
## ENSG00000252923.1	0
## ENSG00000119041.11	7377
## ENSG00000187944.5	5
## ENSG00000280176.1	0
## ENSG00000197121.15	4164
## ENSG00000065413.20	87
## ENSG00000225636.1	0
## ENSG00000224442.1	0
## ENSG00000231621.3	0
## ENSG00000236977.1	0
## ENSG00000230482.1	0
## ENSG00000225979.1	0
## ENSG00000213104.3	41
## ENSG00000115524.17	40326
## ENSG00000202434.1	0
## ENSG00000206836.1	0
## ENSG00000115520.9	1658
## ENSG00000144381.18	131216
## ENSG00000115541.11	10062

## ENSG00000270757.1	27
## ENSG00000115540.15	3297
## ENSG00000231699.1	0
## ENSG00000162944.11	92
## ENSG00000287858.1	1
## ENSG00000222017.1	0
## ENSG00000247626.5	1778
## ENSG00000152430.19	2
## ENSG00000115896.17	2902
## ENSG00000286020.1	0
## ENSG00000237035.1	0
## ENSG00000236653.3	0
## ENSG00000225421.2	1
## ENSG00000231557.1	0
## ENSG00000230407.1	0
## ENSG00000238698.1	0
## ENSG00000119042.18	458
## ENSG00000257045.1	0
## ENSG00000225953.5	23
## ENSG00000238217.7	0
## ENSG00000213938.3	6
## ENSG00000226124.10	31
## ENSG00000232732.11	3
## ENSG00000227004.2	0
## ENSG00000240302.3	0
## ENSG00000178074.6	2539
## ENSG00000162971.11	1184
## ENSG00000162972.11	1760
## ENSG00000287027.1	0
## ENSG00000196141.14	12750
## ENSG00000201649.1	0
## ENSG00000287299.1	44
## ENSG00000155729.13	781
## ENSG00000163535.18	3556
## ENSG00000138356.14	1035
## ENSG00000244301.8	0
## ENSG00000284084.1	0
## ENSG00000290905.1	0
## ENSG00000237166.4	1
## ENSG00000243478.10	0
## ENSG00000291279.1	0
## ENSG00000290906.1	0
## ENSG00000201737.1	0
## ENSG00000230408.3	0
## ENSG00000082153.18	30655
## ENSG00000207116.1	0
## ENSG00000224346.1	1
## ENSG00000223092.1	0
## ENSG00000013441.17	1708
## ENSG00000252759.1	1
## ENSG00000240344.10	1036
## ENSG00000201499.1	0
## ENSG00000196290.17	2903
## ENSG00000252916.1	3

## ENSG00000115942.9	5448
## ENSG00000183308.6	5
## ENSG00000155744.10	1039
## ENSG00000225695.1	51
## ENSG00000226658.1	0
## ENSG00000119013.10	2865
## ENSG00000252148.1	0
## ENSG00000273975.1	2
## ENSG00000232719.1	0
## ENSG00000224672.4	0
## ENSG00000003402.21	3777
## ENSG00000232133.1	2
## ENSG00000226312.7	9
## ENSG00000238829.1	1
## ENSG00000235579.1	2
## ENSG00000234431.2	0
## ENSG00000003400.16	1110
## ENSG00000227348.1	1
## ENSG00000225796.2	0
## ENSG00000235318.3	0
## ENSG00000064012.24	1260
## ENSG00000289698.1	4
## ENSG00000155749.13	4
## ENSG00000115993.13	3640
## ENSG00000082146.13	7020
## ENSG00000213090.2	8
## ENSG00000202008.1	0
## ENSG00000155754.15	2
## ENSG00000234842.1	0
## ENSG00000224299.1	0
## ENSG00000227736.1	0
## ENSG00000224590.1	0
## ENSG00000234731.2	0
## ENSG00000249177.1	0
## ENSG00000227841.1	0
## ENSG00000155755.20	6146
## ENSG00000241790.2	0
## ENSG00000287133.1	3
## ENSG00000082126.18	2
## ENSG00000222972.1	0
## ENSG00000003393.16	6030
## ENSG00000230799.1	1
## ENSG00000138395.17	9
## ENSG00000202137.1	0
## ENSG00000231124.1	0
## ENSG00000212184.1	0
## ENSG00000289026.1	12
## ENSG00000273209.1	27
## ENSG00000155760.3	18170
## ENSG00000182329.14	42
## ENSG00000222035.4	1
## ENSG00000287041.1	3
## ENSG00000231903.1	7
## ENSG00000227890.1	0

## ENSG00000223825.5	10
## ENSG00000116030.17	16407
## ENSG00000224463.1	5
## ENSG00000055044.11	7688
## ENSG00000212534.1	1
## ENSG00000212309.1	0
## ENSG00000271852.1	1
## ENSG00000238317.2	6
## ENSG00000286223.1	8
## ENSG00000264275.1	0
## ENSG00000226261.1	0
## ENSG00000272966.1	0
## ENSG00000242696.3	0
## ENSG00000273456.2	59
## ENSG00000204217.16	4461
## ENSG00000289490.1	0
## ENSG00000270915.1	2
## ENSG00000236047.1	1
## ENSG00000223619.1	0
## ENSG00000233888.2	0
## ENSG00000235433.1	2
## ENSG00000237542.1	0
## ENSG00000233134.1	0
## ENSG00000241221.2	0
## ENSG00000227454.2	0
## ENSG00000233311.1	0
## ENSG00000138439.12	4862
## ENSG00000163596.17	781
## ENSG00000240761.2	0
## ENSG00000233579.1	3
## ENSG00000138442.11	7028
## ENSG00000138380.18	464
## ENSG00000232479.2	14
## ENSG00000270664.1	0
## ENSG00000144426.19	1799
## ENSG00000232994.1	2
## ENSG00000202059.1	0
## ENSG00000228513.1	0
## ENSG00000225124.1	0
## ENSG00000204196.5	0
## ENSG00000289294.2	172
## ENSG00000119004.17	1486
## ENSG00000264041.2	0
## ENSG00000238285.1	0
## ENSG00000138443.17	9071
## ENSG00000256458.1	0
## ENSG00000173166.18	502
## ENSG00000233459.1	2
## ENSG00000233031.1	0
## ENSG00000178562.18	5
## ENSG00000224791.1	10
## ENSG00000213925.3	2
## ENSG00000206970.1	0
## ENSG00000163599.18	0

## ENSG00000163600.13	0
## ENSG00000235951.1	0
## ENSG00000234714.1	4
## ENSG00000237271.2	0
## ENSG00000236681.1	0
## ENSG00000225304.1	0
## ENSG00000236634.1	0
## ENSG00000237843.2	15
## ENSG00000116117.20	4046
## ENSG00000287524.1	0
## ENSG00000223890.1	0
## ENSG00000118257.17	26514
## ENSG00000225216.6	3
## ENSG00000201875.1	0
## ENSG00000213739.3	0
## ENSG00000225610.1	0
## ENSG00000114933.16	1196
## ENSG00000252485.1	0
## ENSG00000207386.1	0
## ENSG00000237041.1	0
## ENSG00000227946.3	68
## ENSG0000023228.15	11309
## ENSG00000231955.1	0
## ENSG00000237580.1	0
## ENSG00000114942.15	69100
## ENSG00000277502.1	0
## ENSG00000281780.1	0
## ENSG00000207047.2	0
## ENSG00000207406.1	0
## ENSG00000183671.13	2
## ENSG00000279220.4	0
## ENSG00000222496.1	0
## ENSG00000159186.4	0
## ENSG00000224070.1	0
## ENSG00000252716.1	0
## ENSG00000204186.11	1820
## ENSG00000180105.11	1
## ENSG00000234491.1	7
## ENSG00000114948.13	2164
## ENSG00000228577.1	9
## ENSG00000231653.1	0
## ENSG00000235118.9	0
## ENSG00000232125.5	0
## ENSG00000213083.3	0
## ENSG00000207319.1	0
## ENSG00000138400.13	292
## ENSG00000118246.14	6570
## ENSG00000283469.1	0
## ENSG00000263468.1	0
## ENSG00000229321.2	37
## ENSG00000260171.1	0
## ENSG00000144410.5	11
## ENSG00000118263.16	1439
## ENSG00000253008.2	0

## ENSG00000237892.1	11
## ENSG00000229647.3	1
## ENSG00000277590.1	0
## ENSG00000224342.1	0
## ENSG00000234902.6	0
## ENSG00000286568.1	0
## ENSG00000225916.1	0
## ENSG00000240440.1	0
## ENSG00000223725.6	5
## ENSG00000225064.1	0
## ENSG00000221628.1	0
## ENSG00000118260.15	6127
## ENSG00000144401.14	2909
## ENSG00000223433.1	0
## ENSG00000224137.2	0
## ENSG00000199251.1	0
## ENSG00000213082.3	8
## ENSG00000200764.1	0
## ENSG00000163249.13	5492
## ENSG00000272851.1	0
## ENSG00000284079.1	0
## ENSG00000163251.4	94316
## ENSG00000178385.15	9497
## ENSG00000225111.3	26
## ENSG00000212246.1	0
## ENSG00000185078.3	7
## ENSG00000251941.1	0
## ENSG00000224839.1	5
## ENSG00000289422.2	2
## ENSG00000290929.1	0
## ENSG00000229150.3	0
## ENSG00000118231.5	14
## ENSG00000163254.5	0
## ENSG00000224529.1	0
## ENSG00000182187.4	0
## ENSG00000168582.5	0
## ENSG00000188674.11	0
## ENSG00000233869.1	0
## ENSG00000228111.1	0
## ENSG00000138413.14	54241
## ENSG00000231908.2	81
## ENSG00000115020.17	5795
## ENSG00000228380.1	0
## ENSG00000144407.10	25
## ENSG00000213081.3	0
## ENSG00000227430.1	0
## ENSG00000231896.1	0
## ENSG00000232409.1	0
## ENSG00000287662.1	0
## ENSG00000202164.1	0
## ENSG00000235864.1	0
## ENSG00000232799.1	0
## ENSG00000240286.1	0
## ENSG00000229670.2	2

## ENSG00000289113.1	0
## ENSG00000286249.1	0
## ENSG00000078018.22	3308
## ENSG00000222317.1	2
## ENSG00000144406.19	119
## ENSG00000237194.1	1
## ENSG00000197713.15	5126
## ENSG00000144445.17	853
## ENSG00000272807.1	11
## ENSG00000229127.2	7
## ENSG00000231063.1	0
## ENSG00000279317.4	2
## ENSG00000115361.8	16
## ENSG00000199203.1	0
## ENSG00000168530.16	0
## ENSG00000234281.5	1
## ENSG00000115365.13	5937
## ENSG00000021826.18	374
## ENSG00000288732.2	0
## ENSG00000280837.1	0
## ENSG00000271074.1	0
## ENSG00000231017.1	0
## ENSG00000178568.16	290
## ENSG00000199585.1	0
## ENSG00000232631.1	0
## ENSG00000236007.1	0
## ENSG00000221782.1	0
## ENSG00000273118.1	0
## ENSG00000234308.3	0
## ENSG00000231254.2	0
## ENSG00000223373.1	0
## ENSG00000283637.1	0
## ENSG00000266354.1	0
## ENSG00000286965.1	3
## ENSG00000030419.17	957
## ENSG00000270659.2	45
## ENSG00000236193.3	0
## ENSG00000289002.2	0
## ENSG00000272519.1	0
## ENSG00000196096.3	2
## ENSG00000144451.20	2172
## ENSG00000265734.1	0
## ENSG00000197585.10	10
## ENSG00000213917.2	4
## ENSG00000174453.10	6
## ENSG00000224257.1	0
## ENSG00000177261.8	0
## ENSG00000138376.11	2162
## ENSG00000229267.3	68
## ENSG00000207274.1	0
## ENSG00000230076.1	531
## ENSG00000144452.15	1408
## ENSG00000227769.7	0
## ENSG00000286836.1	1

## ENSG00000237571.1	0
## ENSG00000138363.15	25656
## ENSG00000115414.21	1584449
## ENSG00000230695.2	5
## ENSG00000225166.2	0
## ENSG00000228618.1	0
## ENSG00000234938.2	0
## ENSG00000237525.7	9
## ENSG00000227981.2	0
## ENSG00000235770.6	2082
## ENSG00000230838.2	3
## ENSG00000288791.1	1
## ENSG00000216721.3	0
## ENSG00000227824.1	0
## ENSG00000226276.1	8
## ENSG00000118242.17	2273
## ENSG00000115425.14	1251
## ENSG00000163449.11	679
## ENSG00000079246.16	99203
## ENSG00000232970.1	0
## ENSG00000236478.2	2
## ENSG00000279348.1	863
## ENSG00000260804.3	1446
## ENSG00000144583.5	241
## ENSG00000231092.1	0
## ENSG00000233581.1	0
## ENSG00000207303.1	0
## ENSG00000235042.1	0
## ENSG00000290060.1	0
## ENSG00000138375.14	3699
## ENSG00000232485.4	32
## ENSG00000241520.1	0
## ENSG00000197756.10	112046
## ENSG00000224391.1	1
## ENSG00000225794.3	3
## ENSG00000235444.2	0
## ENSG00000115457.10	57332
## ENSG00000115461.5	24001
## ENSG00000233143.4	66
## ENSG00000237930.1	0
## ENSG00000222832.1	0
## ENSG00000234588.1	0
## ENSG00000231597.1	0
## ENSG00000118245.2	21
## ENSG00000223874.2	0
## ENSG00000237479.1	0
## ENSG00000236295.1	0
## ENSG00000287498.1	0
## ENSG00000251982.1	0
## ENSG00000278004.1	0
## ENSG00000231672.8	16
## ENSG00000224414.1	0
## ENSG00000231035.1	4
## ENSG00000079308.21	812

## ENSG00000275458.1	0
## ENSG00000223923.2	21
## ENSG00000188282.13	1
## ENSG00000291236.1	0
## ENSG00000229754.3	0
## ENSG00000180871.8	20
## ENSG00000163464.8	0
## ENSG00000224159.1	8
## ENSG00000163466.16	30106
## ENSG00000261338.2	149
## ENSG00000179921.15	255
## ENSG00000127837.10	11801
## ENSG00000127838.15	3877
## ENSG00000135926.15	10394
## ENSG00000284173.1	0
## ENSG00000237281.1	0
## ENSG00000278524.1	0
## ENSG00000230580.1	4
## ENSG00000158428.4	38
## ENSG00000225062.2	0
## ENSG00000288819.2	5
## ENSG00000018280.17	19
## ENSG00000144579.9	5622
## ENSG00000273361.1	0
## ENSG00000199121.4	0
## ENSG00000127831.11	16529
## ENSG00000135913.11	1990
## ENSG00000222714.1	0
## ENSG00000144580.15	11141
## ENSG00000207393.1	0
## ENSG00000115556.14	1
## ENSG00000115568.16	3276
## ENSG00000074582.15	2010
## ENSG00000163481.8	1911
## ENSG00000163482.12	2283
## ENSG00000135912.11	6850
## ENSG00000135929.9	740
## ENSG00000286154.1	0
## ENSG00000272555.1	2
## ENSG00000115592.13	0
## ENSG00000283639.1	0
## ENSG00000232625.1	0
## ENSG00000115596.4	234
## ENSG00000135925.9	649
## ENSG00000228135.1	0
## ENSG00000288898.1	5
## ENSG00000200029.1	0
## ENSG00000235024.1	0
## ENSG00000224928.2	9
## ENSG00000171450.6	675
## ENSG00000236445.5	0
## ENSG00000163497.3	1391
## ENSG00000163499.12	4878
## ENSG00000198973.4	0

## ENSG00000224090.1	12
## ENSG00000181378.14	71
## ENSG00000163501.7	4035
## ENSG00000264755.1	56
## ENSG00000286606.1	19
## ENSG00000187736.14	1005
## ENSG00000280537.2	2
## ENSG00000240317.3	0
## ENSG00000213901.11	4
## ENSG00000115649.16	2821
## ENSG00000144567.11	5745
## ENSG00000290093.1	2
## ENSG00000158552.13	879
## ENSG00000287529.1	0
## ENSG00000115657.14	227
## ENSG00000284820.1	2
## ENSG00000198925.12	3453
## ENSG00000163516.14	2616
## ENSG00000163521.16	749
## ENSG00000115661.14	2566
## ENSG00000127824.15	827
## ENSG00000243910.9	5
## ENSG00000135924.17	3653
## ENSG00000054356.14	2007
## ENSG00000207647.1	0
## ENSG00000230432.1	3
## ENSG00000182698.12	0
## ENSG00000232789.1	0
## ENSG00000123992.20	3626
## ENSG00000229525.1	24
## ENSG00000175084.13	30
## ENSG00000234638.1	0
## ENSG00000280323.1	0
## ENSG00000072195.15	595
## ENSG00000227432.1	0
## ENSG00000286143.1	0
## ENSG00000286095.3	0
## ENSG00000268603.2	18
## ENSG00000144591.20	3037
## ENSG00000072182.14	49
## ENSG00000123989.15	6976
## ENSG00000188760.11	379
## ENSG00000268896.1	1
## ENSG00000265252.1	0
## ENSG00000124006.15	6578
## ENSG00000269068.1	3
## ENSG00000123999.5	36
## ENSG00000222678.1	0
## ENSG00000144589.22	1576
## ENSG00000228973.1	5
## ENSG00000114923.17	715
## ENSG00000267919.1	1
## ENSG00000231802.1	1
## ENSG00000227308.2	0

## ENSG00000223903.1	0
## ENSG00000228909.2	0
## ENSG00000286199.1	0
## ENSG00000266518.1	0
## ENSG00000288902.2	0
## ENSG00000225911.1	0
## ENSG00000239498.1	0
## ENSG00000235337.1	0
## ENSG00000236451.3	0
## ENSG00000224819.2	0
## ENSG00000286272.1	0
## ENSG00000232089.1	0
## ENSG00000290000.1	0
## ENSG00000286170.1	0
## ENSG00000116106.12	2814
## ENSG00000226726.1	0
## ENSG00000272944.1	46
## ENSG00000230406.2	5
## ENSG00000234446.3	0
## ENSG00000233868.1	6
## ENSG00000226666.1	27
## ENSG00000226331.1	0
## ENSG00000135903.20	6
## ENSG00000163081.4	0
## ENSG00000288658.2	17
## ENSG00000237732.12	0
## ENSG00000291155.1	1
## ENSG00000200822.1	0
## ENSG00000163082.10	2245
## ENSG00000228670.4	0
## ENSG00000202016.1	0
## ENSG00000234285.1	0
## ENSG00000116120.11	8558
## ENSG00000124003.13	1
## ENSG00000233751.1	0
## ENSG00000203531.3	1
## ENSG00000235225.1	2
## ENSG00000123983.15	18471
## ENSG00000224121.1	0
## ENSG00000234193.1	0
## ENSG00000278083.1	0
## ENSG00000152049.7	29
## ENSG00000243125.3	0
## ENSG00000233299.1	0
## ENSG00000231189.1	0
## ENSG00000235610.1	0
## ENSG00000171951.5	8637
## ENSG00000152056.18	1354
## ENSG00000226539.1	1
## ENSG00000286239.1	0
## ENSG00000085449.15	5095
## ENSG00000135900.4	4184
## ENSG00000228802.1	3
## ENSG00000135919.14	4629

## ENSG00000224826.1	0
## ENSG00000228681.1	0
## ENSG00000124019.10	0
## ENSG00000274629.1	0
## ENSG00000036257.14	13267
## ENSG00000228446.2	8
## ENSG00000283428.1	3
## ENSG00000135905.21	305
## ENSG00000263828.1	0
## ENSG00000144460.13	162
## ENSG00000289265.1	0
## ENSG00000279015.1	0
## ENSG00000230621.1	2
## ENSG00000235070.3	1
## ENSG00000263363.1	0
## ENSG00000169047.6	11486
## ENSG00000272622.2	111
## ENSG00000261379.1	8
## ENSG00000290086.1	5
## ENSG00000144468.17	2998
## ENSG00000212391.1	0
## ENSG00000081052.14	28
## ENSG00000169031.21	11
## ENSG00000236432.8	189
## ENSG00000168958.21	7751
## ENSG00000168955.4	3
## ENSG00000284629.1	0
## ENSG00000284092.1	0
## ENSG00000173744.18	13574
## ENSG00000285843.1	0
## ENSG00000284643.1	0
## ENSG00000284622.2	0
## ENSG00000290795.1	0
## ENSG00000284704.1	0
## ENSG00000236116.1	2
## ENSG00000284631.2	0
## ENSG00000042304.14	3
## ENSG00000284667.1	0
## ENSG00000135917.16	19514
## ENSG00000284725.1	1
## ENSG00000284718.1	0
## ENSG00000284635.2	0
## ENSG00000252346.1	0
## ENSG00000226718.1	0
## ENSG00000229172.1	0
## ENSG00000115009.13	18
## ENSG00000183514.4	0
## ENSG00000123977.10	142
## ENSG00000272237.1	0
## ENSG00000153820.13	1091
## ENSG00000200281.1	0
## ENSG00000203387.2	1
## ENSG00000286772.1	0
## ENSG00000232023.3	4

## ENSG00000228226.1	0
## ENSG00000237322.1	0
## ENSG00000153823.19	193
## ENSG00000226297.1	0
## ENSG00000253006.1	0
## ENSG00000290097.1	0
## ENSG00000187957.8	834
## ENSG00000287791.1	1
## ENSG00000238782.1	0
## ENSG00000235993.1	0
## ENSG00000153827.15	26188
## ENSG00000222344.1	0
## ENSG00000153832.12	585
## ENSG00000252333.1	0
## ENSG00000231534.1	0
## ENSG00000206725.1	0
## ENSG00000163053.11	1626
## ENSG00000199400.1	1
## ENSG00000225963.8	5
## ENSG00000283451.1	0
## ENSG00000135899.20	253
## ENSG00000079263.19	7
## ENSG00000185404.17	126
## ENSG00000279964.1	0
## ENSG00000067066.17	392
## ENSG00000243650.3	0
## ENSG00000250011.1	0
## ENSG00000235419.5	0
## ENSG00000183022.5	17
## ENSG00000283202.1	0
## ENSG00000199791.1	0
## ENSG00000289157.1	1
## ENSG00000226125.2	2
## ENSG00000135932.12	12623
## ENSG00000237758.1	25
## ENSG00000201044.1	0
## ENSG00000270891.1	0
## ENSG00000135916.16	26398
## ENSG00000232520.2	0
## ENSG00000135898.10	6
## ENSG00000230385.1	0
## ENSG00000283164.1	0
## ENSG00000235013.1	0
## ENSG00000238062.6	21
## ENSG00000173699.17	0
## ENSG00000204128.6	3273
## ENSG00000261829.1	34
## ENSG00000173692.14	25609
## ENSG00000135914.6	11
## ENSG00000201574.1	0
## ENSG00000135931.19	3492
## ENSG00000237039.1	26
## ENSG00000263641.1	0
## ENSG00000224376.3	10

## ENSG00000156966.7	2400
## ENSG00000172799.5	11
## ENSG00000230047.1	0
## ENSG00000233538.1	3
## ENSG00000115053.17	138349
## ENSG00000206885.1	0
## ENSG00000207280.1	0
## ENSG00000202400.1	1
## ENSG00000283312.1	8
## ENSG00000283491.1	7
## ENSG00000223198.1	1
## ENSG00000181798.4	24
## ENSG00000286942.1	0
## ENSG00000171596.7	1
## ENSG00000231494.1	0
## ENSG00000228884.2	0
## ENSG00000286399.1	0
## ENSG00000177673.4	0
## ENSG00000239202.3	0
## ENSG00000289018.2	32
## ENSG00000187514.17	178433
## ENSG00000277986.1	0
## ENSG00000284378.1	0
## ENSG00000156973.14	1676
## ENSG00000144524.18	4708
## ENSG00000237641.1	3
## ENSG00000261096.1	18
## ENSG00000260622.1	0
## ENSG00000222246.1	0
## ENSG00000163273.4	13
## ENSG00000144535.20	2980
## ENSG00000227033.1	0
## ENSG00000207626.1	0
## ENSG00000251485.1	21
## ENSG00000230122.1	0
## ENSG00000275157.1	0
## ENSG00000163283.7	33
## ENSG00000224516.5	0
## ENSG00000290681.1	3
## ENSG00000244280.2	3
## ENSG00000163286.9	132
## ENSG00000204121.2	2
## ENSG00000237087.1	3
## ENSG00000223788.4	0
## ENSG00000163295.5	58
## ENSG00000171551.12	274
## ENSG00000237412.7	0
## ENSG00000135902.10	8
## ENSG00000196811.13	0
## ENSG00000221944.9	362
## ENSG00000284407.1	0
## ENSG00000135930.15	10162
## ENSG00000237126.8	148
## ENSG00000115468.13	1383

## ENSG00000244384.3	0
## ENSG00000204120.16	10283
## ENSG00000213055.3	0
## ENSG00000241409.1	0
## ENSG00000115474.7	311
## ENSG00000252452.1	0
## ENSG00000199781.1	0
## ENSG00000182600.10	73
## ENSG00000066248.15	71
## ENSG00000222001.2	0
## ENSG00000115488.3	0
## ENSG00000168918.14	6021
## ENSG00000289129.2	0
## ENSG00000263941.2	2
## ENSG00000085978.22	2755
## ENSG00000252010.1	1
## ENSG00000251791.1	1
## ENSG00000130561.17	2
## ENSG00000259793.1	0
## ENSG00000077044.11	6768
## ENSG00000201013.1	0
## ENSG00000085982.16	4312
## ENSG00000271639.1	0
## ENSG00000228949.1	0
## ENSG00000227846.1	0
## ENSG00000242366.4	0
## ENSG00000242515.6	0
## ENSG00000234143.1	0
## ENSG00000241119.2	0
## ENSG00000244122.3	0
## ENSG00000167165.19	6
## ENSG00000224814.1	0
## ENSG00000288705.1	0
## ENSG00000244474.6	1
## ENSG00000233445.1	0
## ENSG00000288702.1	0
## ENSG00000248114.1	0
## ENSG00000293135.1	0
## ENSG00000227802.2	0
## ENSG00000228445.1	0
## ENSG00000248705.1	0
## ENSG00000293136.1	0
## ENSG00000178836.7	0
## ENSG00000241635.8	7
## ENSG00000185038.15	3
## ENSG00000123485.12	2899
## ENSG00000293137.1	211
## ENSG00000224287.3	3
## ENSG00000144481.17	4
## ENSG00000237581.1	0
## ENSG00000286059.1	0
## ENSG00000072080.11	0
## ENSG00000279218.1	0
## ENSG00000226442.2	0

## ENSG00000261298.1	0
## ENSG00000237784.1	0
## ENSG00000288040.1	1
## ENSG00000228162.2	0
## ENSG00000231682.1	0
## ENSG00000232690.1	0
## ENSG00000188042.8	13768
## ENSG00000280744.1	1
## ENSG00000278593.1	0
## ENSG00000235726.7	25
## ENSG00000130147.16	12988
## ENSG00000226542.1	0
## ENSG00000231032.1	0
## ENSG00000235293.1	0
## ENSG00000157985.20	7235
## ENSG00000235529.2	26
## ENSG00000222007.6	0
## ENSG00000228499.1	1
## ENSG00000238812.1	0
## ENSG00000264676.2	0
## ENSG00000207049.1	0
## ENSG00000168505.7	30
## ENSG00000233611.4	23
## ENSG00000182177.15	3
## ENSG00000200745.1	0
## ENSG00000132321.17	429
## ENSG00000270540.1	0
## ENSG00000232893.1	1
## ENSG00000231546.1	1
## ENSG00000144476.6	267
## ENSG00000232328.3	0
## ENSG00000227252.2	217
## ENSG00000202341.1	0
## ENSG00000124835.2	2
## ENSG00000198612.11	6886
## ENSG00000224844.1	1
## ENSG00000224132.2	0
## ENSG00000163359.17	594
## ENSG00000222022.1	0
## ENSG00000222032.2	0
## ENSG00000115648.14	61
## ENSG00000289261.1	1
## ENSG00000277842.1	0
## ENSG00000222449.1	0
## ENSG00000071677.1	0
## ENSG00000124839.13	1145
## ENSG00000234949.2	11
## ENSG00000227107.1	19
## ENSG00000124831.20	8657
## ENSG00000286864.1	1
## ENSG00000177483.12	22
## ENSG00000132329.11	4819
## ENSG00000263723.1	0
## ENSG00000288857.1	4

## ENSG00000184182.19	2054
## ENSG00000258984.5	9
## ENSG00000251971.1	0
## ENSG00000132330.18	464
## ENSG00000144488.15	24
## ENSG00000168427.9	172
## ENSG00000279484.2	1
## ENSG00000178752.16	216
## ENSG00000132323.9	2018
## ENSG00000186235.12	21
## ENSG00000225057.2	2
## ENSG00000144485.11	2214
## ENSG00000132326.13	2868
## ENSG00000283635.1	4
## ENSG00000232306.2	0
## ENSG00000204104.12	3504
## ENSG00000202099.1	0
## ENSG00000065802.12	5662
## ENSG00000229915.1	4
## ENSG00000274346.1	0
## ENSG00000225493.1	0
## ENSG00000234279.2	0
## ENSG00000286160.2	0
## ENSG00000224252.1	0
## ENSG00000286748.1	0
## ENSG00000226992.1	0
## ENSG00000233608.5	14
## ENSG00000227744.4	0
## ENSG00000068024.18	1847
## ENSG00000266109.1	0
## ENSG00000264810.1	0
## ENSG00000286307.1	0
## ENSG00000287405.1	3
## ENSG00000265215.1	0
## ENSG00000264292.1	0
## ENSG00000222020.5	3
## ENSG00000286525.3	0
## ENSG00000288082.1	0
## ENSG00000286188.1	7
## ENSG00000196758.3	1
## ENSG00000227459.1	0
## ENSG00000259889.1	0
## ENSG00000220256.4	1
## ENSG00000130414.13	8449
## ENSG00000264279.1	3
## ENSG00000182083.8	0
## ENSG00000178586.7	0
## ENSG00000231278.1	0
## ENSG00000213048.3	0
## ENSG00000172428.11	2579
## ENSG00000178602.8	0
## ENSG00000286325.1	0
## ENSG00000286183.1	0
## ENSG00000227479.1	1

## ENSG00000276366.1	0
## ENSG00000063660.9	15342
## ENSG00000218416.4	32
## ENSG00000207611.1	0
## ENSG00000144504.16	581
## ENSG00000287049.1	1
## ENSG00000188542.10	224
## ENSG00000142327.13	6507
## ENSG00000260942.1	231
## ENSG00000142330.20	1568
## ENSG00000178623.13	46
## ENSG00000276949.1	0
## ENSG00000185176.13	0
## ENSG00000219159.4	6
## ENSG00000184945.15	0
## ENSG00000274977.1	0
## ENSG00000130294.18	23225
## ENSG00000172482.5	24
## ENSG00000172478.18	774
## ENSG00000226321.6	0
## ENSG00000233392.5	2
## ENSG00000223991.1	0
## ENSG00000162804.15	108
## ENSG00000229996.1	0
## ENSG00000225521.1	1
## ENSG00000122085.17	2196
## ENSG00000289253.2	0
## ENSG00000115687.14	2235
## ENSG00000235861.1	0
## ENSG00000115685.15	5286
## ENSG00000146205.15	217
## ENSG00000115677.18	77401
## ENSG00000168385.18	53748
## ENSG00000286588.1	2
## ENSG00000223374.1	3
## ENSG00000006607.14	4357
## ENSG00000288080.1	0
## ENSG00000263752.1	1
## ENSG00000224232.1	1
## ENSG00000115694.15	11057
## ENSG00000289555.1	1
## ENSG00000234235.1	0
## ENSG00000176720.6	2472
## ENSG00000273113.1	15
## ENSG00000176946.13	6421
## ENSG00000207186.1	0
## ENSG00000168397.17	4908
## ENSG00000168393.13	3779
## ENSG00000168395.16	2687
## ENSG00000235351.1	2
## ENSG00000180902.18	850
## ENSG00000215692.2	0
## ENSG00000234793.1	0
## ENSG00000154252.12	17

## ENSG00000215023.2	4
## ENSG00000224272.2	42
## ENSG00000204099.12	18
## ENSG00000235151.1	0
## ENSG00000188389.11	4
## ENSG00000188011.5	0
## ENSG00000233806.9	22
## ENSG00000216921.9	9
## ENSG00000237940.3	16
## ENSG00000280119.1	5
## ENSG00000226423.1	0
## ENSG00000287971.1	0
## ENSG00000232002.2	0
## ENSG00000289556.2	0
## ENSG00000261186.2	8
## ENSG00000291147.1	115
## ENSG00000220804.11	0
## ENSG00000224160.1	0
## ENSG00000244528.1	0
## ENSG00000271153.1	0
## ENSG00000223587.2	1
## ENSG00000224918.1	0
## ENSG00000224318.6	1
## ENSG00000287140.1	0
## ENSG00000134121.10	255
## ENSG00000252017.1	0
## ENSG00000231660.1	0
## ENSG00000234661.2	2
## ENSG00000287505.1	0
## ENSG00000224957.7	16
## ENSG00000238075.1	0
## ENSG00000224239.1	3
## ENSG00000235158.1	0
## ENSG00000244169.3	0
## ENSG00000134115.13	37
## ENSG00000232563.1	0
## ENSG00000184423.5	1
## ENSG00000214074.3	0
## ENSG00000214073.2	0
## ENSG00000225044.1	0
## ENSG00000223040.1	0
## ENSG00000288831.2	18
## ENSG00000144619.15	3255
## ENSG00000227588.2	2
## ENSG00000286363.1	14
## ENSG00000230398.1	0
## ENSG00000225310.1	0
## ENSG00000237990.3	0
## ENSG00000091181.20	29
## ENSG00000253049.1	0
## ENSG00000072756.18	4110
## ENSG00000113851.16	1829
## ENSG00000223727.6	2
## ENSG00000144455.14	2316

## ENSG00000175928.6	14190
## ENSG00000287720.1	12
## ENSG00000229241.1	8
## ENSG00000286579.1	10
## ENSG00000170364.13	2436
## ENSG00000234325.1	1
## ENSG00000231249.3	18
## ENSG00000150995.21	329
## ENSG00000235947.1	2
## ENSG00000275981.1	0
## ENSG00000235978.8	5
## ENSG00000235831.8	16
## ENSG00000134107.5	639
## ENSG00000230182.1	0
## ENSG00000224082.1	0
## ENSG00000207283.1	0
## ENSG00000237566.1	0
## ENSG00000134108.14	6717
## ENSG00000233912.1	14
## ENSG00000268509.2	0
## ENSG00000134109.11	2711
## ENSG00000265180.1	0
## ENSG00000241227.3	0
## ENSG00000230944.1	0
## ENSG00000229642.1	1
## ENSG00000226022.1	0
## ENSG00000232958.1	0
## ENSG00000189229.12	9
## ENSG00000226258.7	0
## ENSG00000223719.1	0
## ENSG00000196277.17	1
## ENSG00000236152.1	1
## ENSG00000237665.1	0
## ENSG00000288030.1	0
## ENSG00000236202.1	0
## ENSG00000270207.2	0
## ENSG00000227110.7	33
## ENSG00000228351.3	0
## ENSG00000231401.2	0
## ENSG00000253081.1	0
## ENSG00000071282.12	615
## ENSG00000224884.1	0
## ENSG00000125046.16	31
## ENSG00000291007.1	4
## ENSG00000215160.4	0
## ENSG00000182533.7	6
## ENSG00000180914.11	1375
## ENSG00000070950.10	2428
## ENSG00000281863.1	0
## ENSG00000199815.2	0
## ENSG00000196220.17	2606
## ENSG00000224808.1	0
## ENSG00000287623.1	0
## ENSG00000228723.6	39

## ENSG00000227929.4	0
## ENSG00000235830.2	4
## ENSG00000254485.5	11
## ENSG00000214041.4	2
## ENSG00000206573.11	677
## ENSG00000134077.16	5574
## ENSG00000168137.20	14941
## ENSG00000156959.9	147
## ENSG00000235338.1	0
## ENSG00000163719.20	3381
## ENSG00000287878.1	11
## ENSG00000144550.14	33
## ENSG00000156983.17	2601
## ENSG00000114026.22	1119
## ENSG00000134072.11	282
## ENSG00000171148.14	13225
## ENSG00000241553.13	7305
## ENSG00000250151.9	4
## ENSG00000214021.18	212
## ENSG00000269886.1	3
## ENSG00000156990.14	3269
## ENSG00000187288.12	3
## ENSG00000171135.15	4618
## ENSG00000163701.19	160
## ENSG00000163702.21	111
## ENSG00000288550.3	3
## ENSG00000212327.1	4
## ENSG00000163703.20	339
## ENSG00000163704.13	701
## ENSG00000230082.1	29
## ENSG00000269982.1	97
## ENSG00000125037.13	5120
## ENSG00000291224.1	102
## ENSG00000180385.11	18
## ENSG00000232901.1	5
## ENSG00000206567.10	203
## ENSG00000291078.1	178
## ENSG00000186162.13	0
## ENSG00000144554.13	5753
## ENSG00000201182.1	0
## ENSG00000229217.1	0
## ENSG00000163705.13	2
## ENSG00000254999.4	15075
## ENSG00000134086.9	4790
## ENSG00000287086.1	0
## ENSG00000134070.5	288
## ENSG00000157014.11	2111
## ENSG00000289763.1	0
## ENSG00000272410.5	0
## ENSG00000231177.4	15
## ENSG00000157017.16	93
## ENSG00000240288.8	17
## ENSG00000276678.1	0
## ENSG00000157020.18	13618

## ENSG00000157087.20	57
## ENSG00000264534.3	0
## ENSG00000216135.3	0
## ENSG00000236999.1	0
## ENSG00000224771.2	0
## ENSG00000226567.2	0
## ENSG00000230599.2	0
## ENSG00000132164.10	126
## ENSG00000286962.1	1
## ENSG00000157103.13	1
## ENSG00000232287.2	0
## ENSG00000287964.1	0
## ENSG00000196639.7	12
## ENSG00000288969.1	0
## ENSG00000285906.2	0
## ENSG00000213964.3	1
## ENSG00000197548.13	2382
## ENSG00000226621.1	0
## ENSG00000235240.1	0
## ENSG00000270531.1	0
## ENSG00000144560.16	4876
## ENSG00000271716.1	0
## ENSG00000272483.1	0
## ENSG00000144559.11	1166
## ENSG00000230342.2	0
## ENSG00000224263.1	0
## ENSG00000225275.4	0
## ENSG00000231897.1	0
## ENSG00000251038.1	0
## ENSG00000263988.2	0
## ENSG00000157152.17	126
## ENSG00000226642.1	0
## ENSG00000157150.5	29
## ENSG00000233026.1	0
## ENSG00000288952.2	1
## ENSG00000236062.1	0
## ENSG00000132170.24	1505
## ENSG00000225026.1	1
## ENSG00000154743.19	1998
## ENSG00000200114.1	1
## ENSG00000251774.1	2
## ENSG00000225526.6	53
## ENSG00000075975.17	1381
## ENSG00000274514.1	0
## ENSG00000132155.14	6750
## ENSG00000290072.1	3
## ENSG00000233252.1	0
## ENSG00000088726.16	6
## ENSG00000213943.3	47
## ENSG00000144712.13	990
## ENSG00000289809.2	1
## ENSG00000272263.1	49
## ENSG00000144713.13	99282
## ENSG00000207496.1	0

## ENSG00000250939.2	0
## ENSG00000232746.1	0
## ENSG00000144711.17	4054
## ENSG00000231362.1	1
## ENSG00000132182.13	17432
## ENSG00000238138.1	0
## ENSG00000223398.1	0
## ENSG00000244502.2	1
## ENSG00000163517.15	1204
## ENSG00000163520.14	450
## ENSG00000224514.3	0
## ENSG00000154764.6	86
## ENSG00000233121.1	3
## ENSG00000290338.1	0
## ENSG00000275340.2	0
## ENSG00000292995.1	5
## ENSG00000287059.1	9
## ENSG00000180438.16	0
## ENSG00000224752.1	0
## ENSG00000163528.13	1887
## ENSG00000170876.8	7298
## ENSG00000268279.4	9
## ENSG00000290044.1	8
## ENSG00000228242.6	31
## ENSG00000154767.15	5031
## ENSG00000170860.4	6025
## ENSG00000255021.1	1
## ENSG00000251576.1	0
## ENSG00000199609.1	0
## ENSG00000131389.18	6213
## ENSG00000144596.13	769
## ENSG00000207163.1	0
## ENSG00000234123.1	5
## ENSG00000283392.1	0
## ENSG00000235629.1	0
## ENSG00000154781.17	1969
## ENSG00000131379.10	22
## ENSG00000230172.1	0
## ENSG00000285969.1	3
## ENSG00000260902.1	0
## ENSG00000154783.12	158
## ENSG00000225733.8	14658
## ENSG00000177463.16	684
## ENSG00000131368.9	1635
## ENSG00000289750.1	0
## ENSG00000131381.12	2626
## ENSG00000228874.1	0
## ENSG00000227578.1	0
## ENSG00000230524.9	0
## ENSG00000290932.1	0
## ENSG00000291281.1	0
## ENSG00000131375.10	4896
## ENSG00000224660.2	217
## ENSG00000131370.16	904

## ENSG00000201162.1	0
## ENSG00000226427.1	1
## ENSG00000206562.12	1887
## ENSG00000144597.14	8121
## ENSG00000206926.1	1
## ENSG00000249786.8	3
## ENSG00000293553.1	3
## ENSG00000206561.14	87
## ENSG00000263573.1	0
## ENSG00000288077.1	0
## ENSG00000241064.3	0
## ENSG00000131373.15	1215
## ENSG00000169814.17	3075
## ENSG00000206560.12	4927
## ENSG00000264354.1	0
## ENSG00000279465.1	0
## ENSG00000270409.2	0
## ENSG00000290787.1	0
## ENSG00000263740.2	2
## ENSG00000287042.3	18
## ENSG00000207815.1	2
## ENSG00000224728.1	11
## ENSG00000286689.1	13
## ENSG00000131386.20	47
## ENSG00000285654.1	0
## ENSG00000154813.10	6175
## ENSG00000154814.14	1386
## ENSG00000270739.1	0
## ENSG00000131378.14	611
## ENSG00000271964.1	2
## ENSG00000272498.1	34
## ENSG00000272529.1	7
## ENSG00000287377.1	2
## ENSG00000288050.1	0
## ENSG00000233570.2	0
## ENSG00000269391.2	0
## ENSG00000092345.14	0
## ENSG00000229271.3	0
## ENSG00000224039.1	0
## ENSG00000154822.18	2084
## ENSG00000283885.1	0
## ENSG00000226441.2	0
## ENSG00000285731.1	0
## ENSG00000131374.15	6332
## ENSG00000231780.1	0
## ENSG00000227309.1	0
## ENSG00000271841.1	0
## ENSG00000233133.1	0
## ENSG00000286352.1	0
## ENSG00000213383.2	2
## ENSG00000214286.2	1
## ENSG00000226238.1	0
## ENSG00000274840.5	73
## ENSG00000182568.18	3301

## ENSG00000272477.1	0
## ENSG00000228956.9	249
## ENSG00000236570.1	9
## ENSG00000251761.1	0
## ENSG00000183960.9	304
## ENSG00000271898.1	0
## ENSG00000287069.1	219
## ENSG00000163576.18	43
## ENSG00000232953.1	0
## ENSG00000144566.11	6173
## ENSG00000289138.1	90
## ENSG00000183977.14	32
## ENSG00000201545.1	1
## ENSG00000230697.1	2
## ENSG00000229468.1	0
## ENSG00000114166.8	327
## ENSG00000266745.1	0
## ENSG00000129810.15	1406
## ENSG00000231304.2	7
## ENSG00000199577.1	0
## ENSG00000261734.1	0
## ENSG00000206807.1	0
## ENSG00000282987.1	0
## ENSG00000236380.5	0
## ENSG00000151789.13	76
## ENSG00000225542.2	8
## ENSG00000223351.5	0
## ENSG00000293339.1	40
## ENSG00000132967.11	0
## ENSG00000234723.1	0
## ENSG00000271235.1	0
## ENSG00000226183.1	0
## ENSG00000231915.2	0
## ENSG00000215016.2	1
## ENSG00000233153.6	0
## ENSG00000182247.11	3262
## ENSG00000206728.1	0
## ENSG00000228171.1	0
## ENSG00000252562.1	0
## ENSG00000212269.1	0
## ENSG00000223791.1	9
## ENSG00000170142.12	6523
## ENSG00000231395.1	3
## ENSG00000197885.11	1238
## ENSG00000174748.22	141501
## ENSG00000174738.13	2473
## ENSG00000224074.3	0
## ENSG00000242109.1	0
## ENSG00000151090.20	14753
## ENSG00000289130.2	6
## ENSG00000229756.1	0
## ENSG00000224822.1	6
## ENSG00000228791.8	70
## ENSG00000272554.3	11

## ENSG00000265028.1	0
## ENSG00000233544.1	0
## ENSG00000077092.20	1041
## ENSG00000244404.3	0
## ENSG00000201713.1	0
## ENSG00000213877.3	0
## ENSG00000201962.1	0
## ENSG00000229421.1	0
## ENSG00000272166.1	0
## ENSG00000077097.17	34765
## ENSG00000275227.1	0
## ENSG00000283971.1	0
## ENSG00000238225.1	0
## ENSG00000151092.18	3073
## ENSG00000213872.3	2
## ENSG00000213871.3	0
## ENSG00000151093.8	832
## ENSG00000230891.7	0
## ENSG00000234158.1	0
## ENSG00000237603.1	0
## ENSG00000230465.1	0
## ENSG00000225386.2	2
## ENSG00000179796.13	16
## ENSG00000163491.18	53
## ENSG00000224237.1	9
## ENSG00000207251.1	0
## ENSG00000287348.1	0
## ENSG00000033867.18	14819
## ENSG00000227523.1	4
## ENSG00000230807.1	14
## ENSG00000201033.1	0
## ENSG00000232167.1	0
## ENSG00000238912.1	0
## ENSG00000223968.1	0
## ENSG00000293322.1	203
## ENSG00000271943.5	0
## ENSG00000232766.1	0
## ENSG00000272282.1	15
## ENSG00000163508.13	18
## ENSG00000225548.7	23
## ENSG00000229243.2	0
## ENSG00000235493.2	8
## ENSG00000187118.14	918
## ENSG00000163512.14	2056
## ENSG00000206559.8	20
## ENSG00000283563.1	1
## ENSG00000234048.1	0
## ENSG00000230480.1	0
## ENSG00000144642.22	541
## ENSG00000235904.3	23
## ENSG00000215004.3	0
## ENSG00000226216.1	0
## ENSG00000203506.5	0
## ENSG00000227795.1	0

## ENSG00000235593.1	0
## ENSG00000287774.3	0
## ENSG00000199927.2	0
## ENSG00000281710.1	0
## ENSG00000289450.2	1
## ENSG00000227260.2	0
## ENSG00000227549.2	0
## ENSG00000163513.19	4930
## ENSG00000224618.1	0
## ENSG00000261468.1	11
## ENSG00000144644.15	3486
## ENSG00000265376.1	0
## ENSG00000213854.3	0
## ENSG00000222983.1	0
## ENSG00000230111.1	0
## ENSG00000227339.1	3
## ENSG00000288926.2	66
## ENSG00000163527.10	44665
## ENSG00000144645.16	2123
## ENSG00000232490.6	0
## ENSG00000223965.2	0
## ENSG00000197385.6	125
## ENSG00000235670.1	1
## ENSG00000201701.1	0
## ENSG00000252398.1	0
## ENSG00000251590.1	0
## ENSG00000152642.11	1169
## ENSG00000236732.1	5
## ENSG00000237433.1	5
## ENSG00000261572.2	165
## ENSG00000170293.9	1066
## ENSG00000270377.1	0
## ENSG00000234737.1	35
## ENSG00000153551.14	3400
## ENSG00000091317.8	10964
## ENSG00000276147.1	0
## ENSG00000213849.3	3
## ENSG00000144635.9	6880
## ENSG00000226955.1	0
## ENSG00000231552.1	0
## ENSG00000237676.1	6
## ENSG00000182973.20	4301
## ENSG00000251224.1	1
## ENSG00000213842.2	0
## ENSG00000227337.1	13
## ENSG00000206557.6	25504
## ENSG00000183813.7	1
## ENSG00000170266.16	17818
## ENSG00000223899.1	0
## ENSG00000235424.1	0
## ENSG00000188167.9	176
## ENSG00000275090.1	0
## ENSG00000170275.15	17148
## ENSG00000272149.1	0

## ENSG00000173705.9	274
## ENSG00000230119.1	0
## ENSG00000289460.1	0
## ENSG00000153558.17	1015
## ENSG00000153560.12	12029
## ENSG00000252700.1	0
## ENSG00000202175.1	0
## ENSG00000163539.19	7484
## ENSG00000238008.1	0
## ENSG00000228112.1	0
## ENSG00000227707.1	0
## ENSG00000271643.2	465
## ENSG00000170248.15	16678
## ENSG00000226320.6	113
## ENSG00000287981.1	2
## ENSG00000236452.1	26
## ENSG00000227498.2	0
## ENSG00000287641.1	5
## ENSG00000235534.1	0
## ENSG00000228767.1	2
## ENSG00000212442.1	0
## ENSG00000289420.1	0
## ENSG00000172995.17	58
## ENSG00000230830.1	0
## ENSG00000207625.1	0
## ENSG00000226489.1	0
## ENSG00000236158.1	0
## ENSG00000144681.11	1483
## ENSG00000231382.1	0
## ENSG00000201315.1	0
## ENSG00000163673.8	22
## ENSG00000230067.4	11
## ENSG00000292977.1	0
## ENSG00000279727.1	12
## ENSG00000281100.1	51
## ENSG00000168016.15	4792
## ENSG00000234073.1	0
## ENSG00000210181.1	0
## ENSG00000272334.1	8
## ENSG00000236165.1	2
## ENSG00000178567.8	3079
## ENSG00000076242.17	6830
## ENSG00000224858.5	94
## ENSG00000093167.18	3729
## ENSG00000206645.1	0
## ENSG00000225558.1	3
## ENSG00000199594.1	0
## ENSG00000224080.1	38
## ENSG00000290046.1	2
## ENSG00000271993.1	1
## ENSG00000231449.1	4
## ENSG00000271653.1	1
## ENSG00000270194.2	109
## ENSG00000144674.19	10645

## ENSG00000230409.3	210
## ENSG00000222208.1	0
## ENSG00000198590.12	10
## ENSG00000144668.12	1222
## ENSG00000239105.1	0
## ENSG00000235257.11	336
## ENSG00000235482.1	0
## ENSG00000236411.1	8
## ENSG00000288972.1	4
## ENSG00000144677.15	8858
## ENSG00000290076.1	3
## ENSG00000199075.1	0
## ENSG00000136059.16	576
## ENSG00000187091.14	4535
## ENSG00000200579.1	6
## ENSG00000008226.20	27
## ENSG00000231668.2	0
## ENSG00000060971.19	4999
## ENSG00000201965.1	0
## ENSG00000172936.18	3532
## ENSG00000172939.9	10628
## ENSG00000172940.13	3
## ENSG00000237982.1	0
## ENSG00000144671.11	8
## ENSG00000199514.1	0
## ENSG00000230123.1	0
## ENSG00000093217.11	487
## ENSG00000229589.1	378
## ENSG00000114739.14	11560
## ENSG00000157036.13	716
## ENSG00000207512.1	0
## ENSG00000230683.1	1
## ENSG00000232439.1	5
## ENSG00000183873.18	167
## ENSG00000185313.9	1
## ENSG00000231243.1	0
## ENSG00000168356.13	35
## ENSG00000206708.1	0
## ENSG00000114742.14	6215
## ENSG00000114745.15	3832
## ENSG00000168026.19	115
## ENSG00000284158.1	0
## ENSG00000144655.15	591
## ENSG00000284669.1	4
## ENSG00000283849.1	1
## ENSG00000214305.4	0
## ENSG00000287620.1	20
## ENSG00000168334.9	4
## ENSG00000287995.1	0
## ENSG00000215034.4	0
## ENSG00000287958.2	0
## ENSG00000168329.14	5
## ENSG00000270367.1	0
## ENSG00000287780.1	14

## ENSG00000179934.7	3
## ENSG00000228168.1	7
## ENSG00000238267.1	0
## ENSG00000223668.1	37
## ENSG00000144659.13	4740
## ENSG00000168028.15	172539
## ENSG00000206760.1	0
## ENSG00000202363.1	0
## ENSG00000286781.1	0
## ENSG00000168314.19	10
## ENSG00000285885.1	0
## ENSG00000289279.1	0
## ENSG00000230757.1	0
## ENSG00000170011.14	52
## ENSG00000201570.1	0
## ENSG00000280739.5	71
## ENSG00000265327.2	1
## ENSG00000202517.1	0
## ENSG00000114784.4	6020
## ENSG00000291315.1	0
## ENSG00000223797.8	110
## ENSG00000230274.1	1
## ENSG00000168032.10	53
## ENSG00000188846.14	89349
## ENSG00000177873.14	743
## ENSG00000177842.12	1135
## ENSG00000199906.1	1
## ENSG00000172888.12	2728
## ENSG00000234067.1	0
## ENSG00000226845.1	1
## ENSG00000226302.1	0
## ENSG00000289169.1	0
## ENSG00000229072.1	0
## ENSG00000231873.2	0
## ENSG00000234287.1	31
## ENSG00000287415.1	0
## ENSG00000233096.1	0
## ENSG00000233919.1	0
## ENSG00000275256.1	0
## ENSG00000168036.18	59817
## ENSG00000168038.11	505
## ENSG00000252409.1	0
## ENSG00000222942.1	0
## ENSG00000223513.1	0
## ENSG00000251986.1	0
## ENSG00000212145.2	0
## ENSG00000234270.1	0
## ENSG00000235339.1	0
## ENSG00000182606.17	9471
## ENSG00000229339.1	0
## ENSG00000234562.1	0
## ENSG00000222872.1	1
## ENSG00000187094.12	42
## ENSG00000281160.2	0

## ENSG00000231280.1	0
## ENSG00000229572.1	0
## ENSG00000157093.9	5
## ENSG00000235787.1	0
## ENSG00000114812.13	99
## ENSG00000232354.8	1
## ENSG00000093183.14	4148
## ENSG00000008324.12	2051
## ENSG00000289558.2	11
## ENSG00000114857.19	3097
## ENSG00000230084.8	35
## ENSG00000114853.15	507
## ENSG00000287629.1	4
## ENSG00000240203.3	0
## ENSG00000157119.12	0
## ENSG00000010282.15	0
## ENSG00000285539.1	0
## ENSG00000230970.4	0
## ENSG00000244607.7	10
## ENSG00000280571.2	6
## ENSG00000287417.1	0
## ENSG00000173811.11	19
## ENSG00000225611.3	4
## ENSG00000181061.14	10122
## ENSG00000235288.3	0
## ENSG00000144648.16	32
## ENSG00000273328.5	6
## ENSG00000273291.5	0
## ENSG00000290317.1	0
## ENSG00000180432.6	1
## ENSG00000236459.1	4
## ENSG00000182983.15	38
## ENSG00000206552.4	0
## ENSG00000240747.9	0
## ENSG00000144649.10	118
## ENSG00000232375.1	0
## ENSG00000144647.7	2740
## ENSG00000227245.1	0
## ENSG00000285766.1	1
## ENSG00000163788.14	2413
## ENSG00000241939.3	0
## ENSG00000234617.2	9
## ENSG00000160746.13	4408
## ENSG00000251811.1	0
## ENSG00000223916.1	19
## ENSG00000011198.10	1898
## ENSG00000235886.1	0
## ENSG00000271192.1	1
## ENSG00000272121.1	14
## ENSG00000252980.1	0
## ENSG00000207954.1	0
## ENSG00000280435.1	44
## ENSG00000261786.1	92
## ENSG00000173769.4	0

## ENSG00000271937.1	0
## ENSG00000179152.20	2663
## ENSG00000293456.1	5
## ENSG00000225873.5	0
## ENSG00000283036.3	1
## ENSG00000185219.18	5248
## ENSG00000178917.18	681
## ENSG00000214825.2	0
## ENSG00000277509.1	0
## ENSG00000196345.13	1064
## ENSG00000236869.3	34
## ENSG00000144792.9	973
## ENSG00000214820.3	145
## ENSG00000186448.15	4603
## ENSG00000233509.2	15
## ENSG00000169981.11	1831
## ENSG00000272077.1	186
## ENSG00000235805.1	0
## ENSG00000196653.12	640
## ENSG00000186446.12	688
## ENSG00000163807.6	4538
## ENSG00000163808.17	3966
## ENSG00000284498.1	0
## ENSG00000169964.8	609
## ENSG00000163810.13	7
## ENSG00000235845.1	0
## ENSG00000163812.16	9202
## ENSG00000227123.1	0
## ENSG00000075914.13	4690
## ENSG00000163815.6	0
## ENSG00000252410.1	0
## ENSG00000163814.8	3084
## ENSG00000224094.1	93
## ENSG00000249992.2	353
## ENSG00000202268.2	0
## ENSG00000011376.12	6175
## ENSG00000232455.2	2
## ENSG00000144791.10	2009
## ENSG00000230530.2	16
## ENSG00000211456.14	4588
## ENSG00000244357.3	0
## ENSG00000279017.1	0
## ENSG00000163817.17	2
## ENSG00000288720.2	7
## ENSG00000163818.20	2001
## ENSG00000285788.1	0
## ENSG00000236930.1	0
## ENSG00000173585.18	1
## ENSG00000201635.1	0
## ENSG00000163820.16	2239
## ENSG00000172215.6	12
## ENSG00000288717.1	2
## ENSG00000173578.9	2
## ENSG00000226933.1	0

## ENSG00000288703.1	0
## ENSG00000183625.16	8
## ENSG00000229515.1	0
## ENSG00000163823.4	4
## ENSG00000288724.1	0
## ENSG00000236736.1	0
## ENSG00000121807.7	0
## ENSG00000223552.3	2
## ENSG00000160791.14	2
## ENSG00000121797.10	23
## ENSG00000283646.2	0
## ENSG00000012223.13	37
## ENSG00000163825.5	4
## ENSG00000163827.14	70
## ENSG00000268324.2	4
## ENSG00000288718.1	3
## ENSG00000241186.10	15
## ENSG00000283877.1	0
## ENSG00000283473.5	0
## ENSG00000286570.1	0
## ENSG00000251967.1	0
## ENSG00000178038.17	701
## ENSG00000181585.7	72
## ENSG00000206549.13	2
## ENSG00000283706.2	0
## ENSG00000293416.1	5
## ENSG00000261603.4	0
## ENSG00000284672.1	23
## ENSG00000188086.16	5
## ENSG00000293417.1	6
## ENSG00000286651.3	0
## ENSG00000238013.1	0
## ENSG00000226074.6	10
## ENSG00000293418.1	0
## ENSG00000293419.1	1
## ENSG00000178055.14	0
## ENSG00000160808.12	1369
## ENSG00000160801.14	103
## ENSG00000273682.1	9
## ENSG00000160799.12	2693
## ENSG00000160796.18	11267
## ENSG00000293420.1	3
## ENSG00000236409.3	4
## ENSG00000181555.22	9354
## ENSG00000275940.1	1
## ENSG00000227398.6	454
## ENSG00000088727.14	1129
## ENSG00000239128.1	0
## ENSG00000114648.12	3424
## ENSG00000280173.1	349
## ENSG00000289507.1	128
## ENSG00000260236.2	40
## ENSG00000076201.16	6830
## ENSG00000114650.21	14244

## ENSG00000276925.1	1
## ENSG00000163832.16	2859
## ENSG00000271161.2	0
## ENSG00000293229.1	3
## ENSG00000244732.3	0
## ENSG00000114646.10	110
## ENSG00000173473.11	59705
## ENSG00000214773.1	0
## ENSG00000235695.1	0
## ENSG00000132153.15	13105
## ENSG00000274420.1	0
## ENSG00000221585.1	0
## ENSG00000047849.22	40663
## ENSG00000199591.1	0
## ENSG00000224895.1	1
## ENSG00000270285.1	0
## ENSG00000265078.2	1
## ENSG00000236768.1	2
## ENSG00000164045.12	6088
## ENSG00000235627.1	0
## ENSG00000253056.1	0
## ENSG00000231884.1	0
## ENSG00000265483.1	0
## ENSG00000164047.6	0
## ENSG00000164048.14	2111
## ENSG00000229759.1	6
## ENSG00000199476.1	5
## ENSG00000172113.10	2896
## ENSG00000228638.1	0
## ENSG00000289043.1	11
## ENSG00000229453.3	0
## ENSG00000252466.1	0
## ENSG00000164049.14	24
## ENSG00000277483.1	0
## ENSG00000164050.13	13812
## ENSG00000164051.14	2280
## ENSG00000232112.3	6743
## ENSG00000244380.1	0
## ENSG00000164053.22	1877
## ENSG00000213689.14	0
## ENSG00000164054.17	22501
## ENSG00000114268.12	2456
## ENSG00000278799.1	0
## ENSG00000145040.4	5
## ENSG00000114270.18	203
## ENSG00000284251.1	0
## ENSG00000010256.11	22068
## ENSG00000183396.4	3
## ENSG00000225697.13	2199
## ENSG00000284364.1	0
## ENSG00000008300.17	3391
## ENSG00000284575.1	0
## ENSG00000228350.1	21
## ENSG00000271973.1	10

## ENSG00000213672.8	2223
## ENSG00000068745.15	9775
## ENSG00000114302.17	10069
## ENSG00000224424.8	37
## ENSG00000178537.10	953
## ENSG00000221883.4	31
## ENSG00000177479.20	8594
## ENSG00000235236.1	10
## ENSG00000223343.1	7
## ENSG00000273211.1	0
## ENSG00000178467.18	2301
## ENSG00000285416.1	14
## ENSG00000178252.19	15217
## ENSG00000178149.17	2009
## ENSG00000199032.1	0
## ENSG00000178057.15	3094
## ENSG00000207605.3	0
## ENSG00000178035.13	187
## ENSG00000290315.1	3
## ENSG00000272434.1	0
## ENSG00000198218.12	80
## ENSG00000241461.3	0
## ENSG00000172053.18	28727
## ENSG00000284488.1	0
## ENSG00000172046.21	6983
## ENSG00000172037.14	12202
## ENSG00000270441.1	53
## ENSG00000177352.10	3083
## ENSG00000185909.15	3110
## ENSG00000236980.10	0
## ENSG00000173421.17	6
## ENSG00000270538.1	0
## ENSG00000225399.4	0
## ENSG00000188315.8	334
## ENSG00000199546.1	0
## ENSG00000264633.1	0
## ENSG00000114316.13	5910
## ENSG00000233276.9	4750
## ENSG00000290318.1	3
## ENSG00000067560.14	37162
## ENSG00000235908.1	4
## ENSG00000145022.5	1442
## ENSG00000283189.2	0
## ENSG00000145020.16	13
## ENSG00000145029.15	0
## ENSG00000201301.1	0
## ENSG00000173402.13	36111
## ENSG00000226913.2	10
## ENSG00000164061.5	462
## ENSG00000235120.1	0
## ENSG00000164062.13	22402
## ENSG00000173531.16	263
## ENSG00000259970.1	0
## ENSG00000164068.16	2990

## ENSG00000176020.9	0
## ENSG00000173540.14	2758
## ENSG00000176095.12	7713
## ENSG00000239576.1	0
## ENSG00000244730.1	0
## ENSG00000187492.9	0
## ENSG00000185614.7	3
## ENSG00000182179.13	12
## ENSG00000283726.1	0
## ENSG00000183763.9	776
## ENSG00000164076.17	100
## ENSG00000264706.2	0
## ENSG00000234667.2	1
## ENSG00000164078.14	62
## ENSG00000230698.1	0
## ENSG00000228008.1	2
## ENSG00000164077.15	666
## ENSG00000004534.15	6807
## ENSG00000003756.17	4322
## ENSG00000281691.1	1
## ENSG00000235016.1	18
## ENSG00000001617.12	2831
## ENSG00000207922.1	0
## ENSG00000114349.10	1
## ENSG00000188338.15	529
## ENSG00000114353.17	20294
## ENSG00000275334.1	0
## ENSG00000213600.3	0
## ENSG00000230454.1	22
## ENSG00000232352.3	9
## ENSG00000012171.20	2708
## ENSG00000283848.1	0
## ENSG00000179564.4	2
## ENSG00000214706.12	4396
## ENSG00000186792.17	357
## ENSG00000243477.6	404
## ENSG00000114378.17	1008
## ENSG00000068001.14	6591
## ENSG00000114383.10	3163
## ENSG00000068028.18	789
## ENSG00000281358.1	0
## ENSG00000235058.1	0
## ENSG00000004838.14	88
## ENSG00000114388.14	1414
## ENSG00000114395.11	756
## ENSG00000272104.1	0
## ENSG00000126062.4	4551
## ENSG00000007402.12	765
## ENSG00000271858.5	4
## ENSG00000202322.1	0
## ENSG00000088543.15	852
## ENSG00000114735.10	965
## ENSG00000280382.1	1
## ENSG00000114737.16	595

## ENSG00000114738.11	8376
## ENSG00000289504.1	60
## ENSG00000273356.1	26
## ENSG00000088538.13	217
## ENSG00000272543.1	0
## ENSG00000228337.1	0
## ENSG00000213587.3	2
## ENSG00000235278.2	0
## ENSG00000240959.1	0
## ENSG00000288988.1	8
## ENSG00000145050.19	10133
## ENSG00000259956.2	17234
## ENSG00000145041.17	5336
## ENSG00000164080.14	6515
## ENSG00000221015.1	0
## ENSG00000164081.13	3638
## ENSG00000288063.1	5
## ENSG00000201595.1	0
## ENSG00000164082.15	20
## ENSG00000214686.7	0
## ENSG00000285749.3	0
## ENSG00000293437.1	0
## ENSG00000224792.8	0
## ENSG00000229972.10	0
## ENSG00000184345.5	0
## ENSG00000241789.3	0
## ENSG00000235455.1	0
## ENSG00000214681.4	0
## ENSG00000173389.16	3
## ENSG00000287707.1	14
## ENSG00000114767.7	4060
## ENSG00000041880.15	303
## ENSG00000280422.1	17
## ENSG00000180929.6	8
## ENSG00000090097.22	10279
## ENSG00000272762.5	0
## ENSG00000114779.20	858
## ENSG00000248487.10	373
## ENSG00000114786.16	6
## ENSG00000243989.9	77
## ENSG00000162244.12	108013
## ENSG00000285685.1	0
## ENSG00000164086.10	1962
## ENSG00000164087.8	2635
## ENSG00000286419.1	0
## ENSG00000242849.2	0
## ENSG00000023330.15	5333
## ENSG00000280003.1	2
## ENSG00000239732.4	0
## ENSG00000173366.11	0
## ENSG00000247596.10	3167
## ENSG00000243224.2	31
## ENSG00000164088.18	719
## ENSG00000164091.12	24568

## ENSG00000199150.3	3
## ENSG00000168237.18	976
## ENSG00000242797.3	10
## ENSG00000207926.1	0
## ENSG00000114841.18	201
## ENSG00000239557.1	6
## ENSG00000163930.10	9953
## ENSG00000010318.22	171
## ENSG00000010319.7	32
## ENSG00000114854.8	2588
## ENSG00000010322.16	12343
## ENSG00000010327.10	36
## ENSG00000168268.11	29734
## ENSG00000168273.8	561
## ENSG00000163939.19	11468
## ENSG00000252768.1	1
## ENSG00000221518.1	1
## ENSG00000163938.17	13211
## ENSG00000280904.1	0
## ENSG00000252787.2	0
## ENSG00000212493.1	6
## ENSG00000238862.1	0
## ENSG00000222345.1	11
## ENSG00000212452.1	12
## ENSG00000016864.19	6152
## ENSG00000114902.14	7744
## ENSG00000114904.13	2894
## ENSG00000275956.1	11
## ENSG00000270941.1	3
## ENSG00000271137.1	0
## ENSG00000055957.11	8
## ENSG00000162267.14	16
## ENSG00000055955.17	6
## ENSG00000243696.5	6
## ENSG00000239799.1	0
## ENSG00000272573.6	1
## ENSG00000248592.7	4
## ENSG00000213533.13	153
## ENSG00000275789.1	0
## ENSG00000279144.1	5
## ENSG00000289519.1	66
## ENSG00000163935.14	1299
## ENSG00000272305.5	18
## ENSG00000280417.1	15
## ENSG00000242142.1	3
## ENSG00000163933.10	4065
## ENSG00000163932.16	6228
## ENSG00000286531.1	1
## ENSG00000163931.17	51757
## ENSG00000272886.6	4810
## ENSG00000274967.1	5
## ENSG00000157388.20	126
## ENSG00000207109.1	0
## ENSG00000212608.1	0

## ENSG00000227224.1	0
## ENSG00000251987.1	0
## ENSG00000271916.1	0
## ENSG00000016391.11	1645
## ENSG00000056736.10	659
## ENSG00000271976.1	442
## ENSG00000113812.14	3876
## ENSG00000113811.12	3629
## ENSG00000289063.2	2
## ENSG00000288029.1	0
## ENSG00000242983.1	0
## ENSG00000286353.1	4
## ENSG00000157445.16	346
## ENSG00000229806.1	2
## ENSG00000265992.1	0
## ENSG00000243715.1	0
## ENSG00000144771.8	22
## ENSG00000239991.1	0
## ENSG00000243572.1	0
## ENSG00000240708.2	0
## ENSG00000242568.1	0
## ENSG00000242775.1	0
## ENSG00000114251.15	2863
## ENSG00000244586.1	86
## ENSG00000242317.1	0
## ENSG00000187672.15	668
## ENSG00000240777.2	0
## ENSG00000281708.1	0
## ENSG00000264013.1	0
## ENSG00000200379.1	0
## ENSG00000200238.1	0
## ENSG00000180376.17	1408
## ENSG00000163946.14	7393
## ENSG00000163947.12	2364
## ENSG00000240198.5	0
## ENSG00000186451.2	34
## ENSG00000272202.1	3
## ENSG00000144730.19	3676
## ENSG00000229863.1	0
## ENSG00000163666.10	39
## ENSG00000157500.12	6820
## ENSG00000239388.10	33
## ENSG00000286952.1	2
## ENSG00000174844.15	35
## ENSG00000212392.1	0
## ENSG00000206918.1	0
## ENSG00000239831.1	2
## ENSG00000237186.1	0
## ENSG00000202428.1	0
## ENSG00000206815.1	0
## ENSG00000287502.1	4
## ENSG00000174840.9	2495
## ENSG00000168374.11	24878
## ENSG00000272146.6	5

## ENSG00000210841.1	0
## ENSG00000174839.13	3643
## ENSG00000239801.1	0
## ENSG00000241933.1	0
## ENSG00000163681.17	4812
## ENSG00000270772.1	0
## ENSG00000213509.4	1
## ENSG00000136068.16	147420
## ENSG00000244161.1	31
## ENSG00000283148.1	1
## ENSG00000283511.2	6
## ENSG00000293432.1	3
## ENSG00000163687.14	0
## ENSG00000163686.15	1209
## ENSG00000163684.12	971
## ENSG00000255154.9	9
## ENSG00000273493.1	2
## ENSG00000168297.16	970
## ENSG00000275607.1	0
## ENSG00000168291.13	6473
## ENSG00000272182.1	0
## ENSG00000272360.2	10
## ENSG00000168301.13	1050
## ENSG00000168306.13	344
## ENSG00000236722.1	0
## ENSG00000168309.18	0
## ENSG00000243384.1	0
## ENSG00000244383.2	3
## ENSG00000198643.7	0
## ENSG00000163689.21	572
## ENSG00000242428.6	0
## ENSG00000243295.2	0
## ENSG00000243903.1	0
## ENSG00000242545.1	0
## ENSG00000241804.1	0
## ENSG00000277592.1	0
## ENSG00000189283.11	637
## ENSG00000287649.1	0
## ENSG00000240097.1	0
## ENSG00000281426.1	0
## ENSG00000232407.3	0
## ENSG00000225673.3	0
## ENSG00000244183.1	0
## ENSG00000212211.2	0
## ENSG00000144724.20	8100
## ENSG00000252420.1	0
## ENSG00000226360.5	328
## ENSG00000252184.1	0
## ENSG00000237456.3	2
## ENSG00000241472.8	233
## ENSG00000114405.11	834
## ENSG00000153266.13	0
## ENSG00000163618.18	2611
## ENSG00000225662.2	0

## ENSG00000244632.3	0
## ENSG00000252449.1	0
## ENSG00000226082.2	4
## ENSG00000244342.5	3
## ENSG00000242841.1	15
## ENSG00000240359.1	0
## ENSG00000163630.11	52
## ENSG00000241359.1	72
## ENSG00000252301.1	0
## ENSG00000188817.8	8
## ENSG00000224479.7	1
## ENSG00000293415.1	1
## ENSG00000163632.15	10
## ENSG00000163634.12	4700
## ENSG00000240549.2	1
## ENSG00000163635.20	2004
## ENSG00000280620.1	1
## ENSG00000239653.1	23
## ENSG00000271843.1	19
## ENSG00000163636.11	10230
## ENSG00000243410.1	0
## ENSG00000272181.1	0
## ENSG00000241111.1	1
## ENSG00000200222.2	0
## ENSG00000189196.4	1
## ENSG00000163637.13	2052
## ENSG00000241572.1	0
## ENSG00000241101.1	1
## ENSG00000239926.1	0
## ENSG00000226017.2	0
## ENSG00000244564.2	1
## ENSG00000212340.1	0
## ENSG00000163638.13	10913
## ENSG00000241158.7	154
## ENSG00000241684.8	38
## ENSG00000243149.2	0
## ENSG00000151276.24	15583
## ENSG00000270059.1	26
## ENSG00000244226.1	2
## ENSG00000223409.1	0
## ENSG00000272610.1	8
## ENSG00000240175.1	1
## ENSG00000202071.1	0
## ENSG00000203647.2	0
## ENSG00000144741.19	2462
## ENSG00000206759.1	0
## ENSG00000241587.3	0
## ENSG00000144749.14	842
## ENSG00000271174.1	0
## ENSG00000214560.4	0
## ENSG00000288039.1	0
## ENSG00000285738.1	0
## ENSG00000287873.1	0
## ENSG00000163376.11	942

## ENSG00000283298.1	0
## ENSG00000241884.2	0
## ENSG00000172340.15	7902
## ENSG00000242510.1	14
## ENSG00000241316.8	207
## ENSG00000183662.12	0
## ENSG00000214552.4	12
## ENSG00000240568.1	0
## ENSG00000286967.1	0
## ENSG00000244640.1	0
## ENSG00000241506.1	167
## ENSG00000163377.16	25
## ENSG00000252828.1	0
## ENSG00000163378.14	813
## ENSG00000244513.7	7
## ENSG00000144747.17	3457
## ENSG00000265355.1	0
## ENSG00000144744.18	4749
## ENSG00000144746.7	7076
## ENSG00000163380.16	10
## ENSG00000114541.15	3854
## ENSG00000239263.1	0
## ENSG00000240265.1	0
## ENSG00000240842.2	0
## ENSG00000241667.1	0
## ENSG00000187098.18	1041
## ENSG00000241665.3	0
## ENSG00000240405.7	4
## ENSG00000271034.1	0
## ENSG00000242728.1	0
## ENSG00000242120.4	0
## ENSG00000288679.1	0
## ENSG00000287669.1	0
## ENSG00000240156.1	2
## ENSG00000243873.1	0
## ENSG00000206939.1	0
## ENSG00000114861.24	5550
## ENSG00000285708.1	2
## ENSG00000244203.2	3
## ENSG00000290077.1	1
## ENSG00000221264.1	0
## ENSG00000274387.1	0
## ENSG00000242094.1	3
## ENSG00000277855.1	4
## ENSG00000270562.1	20
## ENSG00000163412.13	2872
## ENSG00000170837.3	737
## ENSG00000163421.9	0
## ENSG00000287131.1	0
## ENSG00000239250.3	0
## ENSG00000241163.10	20
## ENSG00000244130.1	0
## ENSG00000273461.5	0
## ENSG00000276471.1	0

## ENSG00000239350.2	0
## ENSG00000242609.1	0
## ENSG00000243083.8	12
## ENSG00000272774.1	0
## ENSG00000242618.2	0
## ENSG00000287882.1	2
## ENSG00000260670.1	0
## ENSG00000163602.12	7391
## ENSG00000244345.1	0
## ENSG00000199469.1	0
## ENSG00000239568.1	0
## ENSG00000222838.1	0
## ENSG00000287595.3	4
## ENSG00000144736.14	3174
## ENSG00000241537.1	0
## ENSG00000240135.1	0
## ENSG00000271266.1	2
## ENSG00000172986.13	1027
## ENSG00000276890.1	0
## ENSG00000242960.1	24
## ENSG00000163605.16	13791
## ENSG00000238959.1	0
## ENSG00000255423.1	41
## ENSG00000252651.1	0
## ENSG00000223247.1	0
## ENSG00000182921.9	0
## ENSG00000252937.1	0
## ENSG00000121440.15	1407
## ENSG00000239119.1	0
## ENSG00000239677.6	3
## ENSG00000278934.1	27
## ENSG00000242364.1	0
## ENSG00000242741.2	0
## ENSG00000278554.1	0
## ENSG00000239454.1	0
## ENSG00000223738.3	0
## ENSG00000213452.4	1
## ENSG00000113805.9	711
## ENSG00000241022.1	0
## ENSG00000242638.3	0
## ENSG00000266780.1	0
## ENSG00000287398.1	0
## ENSG00000213300.5	142
## ENSG00000228868.3	0
## ENSG00000243674.1	2
## ENSG00000291222.1	0
## ENSG00000179799.10	0
## ENSG00000230655.3	0
## ENSG00000244699.1	3
## ENSG00000240665.1	1
## ENSG00000242953.1	2
## ENSG00000291223.1	1084
## ENSG00000238278.3	144
## ENSG00000244026.9	0

## ENSG00000272690.6	68
## ENSG00000239959.1	2
## ENSG00000243794.1	0
## ENSG00000290410.1	0
## ENSG00000244674.1	2
## ENSG00000272710.3	5
## ENSG00000239383.1	0
## ENSG00000244222.2	0
## ENSG00000172971.7	2
## ENSG00000293315.1	18
## ENSG00000243422.5	0
## ENSG00000282912.1	0
## ENSG00000282511.1	0
## ENSG00000283894.1	0
## ENSG00000241532.1	6
## ENSG00000241622.1	4
## ENSG00000172969.8	5
## ENSG00000236138.4	2
## ENSG00000242516.4	708
## ENSG00000227124.11	249
## ENSG00000266396.1	0
## ENSG00000185008.19	2388
## ENSG00000222883.1	0
## ENSG00000240809.1	15
## ENSG00000288793.1	0
## ENSG00000199520.1	0
## ENSG00000213450.4	0
## ENSG00000287567.1	0
## ENSG00000206891.1	0
## ENSG00000244461.1	0
## ENSG00000240573.1	0
## ENSG00000243957.3	0
## ENSG00000222574.1	0
## ENSG00000240241.5	0
## ENSG00000239226.1	0
## ENSG00000169855.21	17032
## ENSG00000240752.1	0
## ENSG00000240964.3	3
## ENSG00000288105.1	0
## ENSG00000265193.1	0
## ENSG00000243877.1	0
## ENSG00000271389.1	0
## ENSG00000239699.1	0
## ENSG00000242586.1	0
## ENSG00000286329.2	156
## ENSG00000242828.1	43
## ENSG00000242781.2	15
## ENSG00000243694.5	14
## ENSG00000242145.1	0
## ENSG00000241593.5	0
## ENSG00000287053.1	0
## ENSG00000244281.1	0
## ENSG00000114480.13	2799
## ENSG00000222389.1	0

## ENSG00000241319.1	0
## ENSG00000240404.2	0
## ENSG00000242190.1	1
## ENSG00000242009.2	0
## ENSG00000239440.6	0
## ENSG00000241367.1	0
## ENSG00000241095.1	12
## ENSG00000288004.1	0
## ENSG00000286567.1	0
## ENSG00000242195.1	0
## ENSG00000287158.3	0
## ENSG00000242641.6	0
## ENSG00000241776.1	0
## ENSG00000242339.2	0
## ENSG00000287273.1	0
## ENSG00000175161.14	1993
## ENSG00000264084.1	0
## ENSG00000241648.1	1
## ENSG00000239519.1	1
## ENSG00000243915.1	1
## ENSG00000201410.1	0
## ENSG00000251773.1	0
## ENSG00000239767.2	0
## ENSG00000222934.1	0
## ENSG00000241328.1	0
## ENSG00000277746.1	0
## ENSG00000206538.9	1029
## ENSG00000241293.1	11
## ENSG00000281392.3	1
## ENSG00000264119.1	0
## ENSG00000083937.10	5812
## ENSG00000064835.12	0
## ENSG00000239829.1	0
## ENSG00000240902.1	4
## ENSG00000240255.1	0
## ENSG00000239572.3	0
## ENSG00000200703.1	0
## ENSG00000179097.7	4
## ENSG00000221059.1	0
## ENSG00000288780.1	0
## ENSG00000163320.12	7643
## ENSG00000288654.1	0
## ENSG00000175105.8	1316
## ENSG00000241535.1	3
## ENSG00000179021.10	3108
## ENSG00000242159.1	5
## ENSG00000283434.2	0
## ENSG00000207316.1	0
## ENSG00000242365.1	0
## ENSG00000242705.1	1
## ENSG00000241861.2	0
## ENSG00000044524.11	27
## ENSG00000285780.2	1
## ENSG00000240951.1	0

## ENSG00000240309.1	0
## ENSG00000212598.2	0
## ENSG00000222490.1	0
## ENSG00000189002.10	0
## ENSG00000271024.1	0
## ENSG00000283367.1	0
## ENSG00000283544.1	0
## ENSG00000251727.1	0
## ENSG00000184500.16	2567
## ENSG00000201339.1	0
## ENSG00000200366.1	0
## ENSG00000169379.17	1314
## ENSG00000239614.1	0
## ENSG00000178750.3	3
## ENSG00000178700.9	634
## ENSG00000178694.10	1311
## ENSG00000242457.1	23
## ENSG00000178660.6	31
## ENSG00000242911.1	0
## ENSG00000234629.1	3
## ENSG00000239589.7	0
## ENSG00000244048.1	1
## ENSG00000293294.1	0
## ENSG00000244681.2	0
## ENSG00000286516.1	0
## ENSG00000271671.1	0
## ENSG00000243547.1	276
## ENSG00000278103.1	0
## ENSG00000241815.1	0
## ENSG00000199286.1	0
## ENSG00000218754.4	0
## ENSG00000241018.1	6
## ENSG00000176243.9	1
## ENSG00000286447.1	105
## ENSG00000080224.18	1153
## ENSG00000251172.1	0
## ENSG00000261292.2	0
## ENSG00000113966.11	669
## ENSG00000282527.2	0
## ENSG00000080200.10	651
## ENSG00000279658.1	0
## ENSG00000170854.18	1148
## ENSG00000285614.1	2
## ENSG00000183185.10	0
## ENSG00000250750.1	0
## ENSG00000213439.3	0
## ENSG00000196578.4	0
## ENSG00000249225.1	0
## ENSG00000290819.1	0
## ENSG00000251090.3	0
## ENSG00000248365.3	0
## ENSG00000231192.3	0
## ENSG00000236032.3	0
## ENSG00000233412.6	0

## ENSG00000289078.1	0
## ENSG00000249321.1	0
## ENSG00000249975.1	0
## ENSG00000248507.1	0
## ENSG00000251088.1	0
## ENSG00000187900.4	0
## ENSG00000289509.1	0
## ENSG00000230301.6	0
## ENSG00000197938.6	0
## ENSG00000232535.2	0
## ENSG00000196098.2	0
## ENSG00000206536.1	0
## ENSG00000244653.1	0
## ENSG00000232382.2	0
## ENSG00000231861.3	0
## ENSG00000080822.17	5640
## ENSG00000285635.1	0
## ENSG00000248839.1	0
## ENSG00000250562.1	0
## ENSG00000154165.5	0
## ENSG00000286602.1	21
## ENSG00000080819.9	3422
## ENSG00000240827.1	0
## ENSG00000244153.1	2
## ENSG00000239445.6	92
## ENSG00000064225.13	4821
## ENSG00000249274.1	43
## ENSG00000057019.16	11093
## ENSG00000206712.1	5
## ENSG00000239462.2	4
## ENSG00000207331.1	0
## ENSG00000240476.1	0
## ENSG00000275108.1	0
## ENSG00000241305.1	0
## ENSG00000240572.1	0
## ENSG00000243296.1	0
## ENSG00000243089.2	0
## ENSG00000244464.2	0
## ENSG00000144810.16	145
## ENSG00000273374.1	5
## ENSG00000184220.12	1621
## ENSG00000168386.19	62883
## ENSG00000264897.1	0
## ENSG00000287378.1	99
## ENSG00000235156.6	0
## ENSG00000293379.1	3
## ENSG00000277000.1	0
## ENSG00000243974.1	3
## ENSG00000036054.13	10335
## ENSG00000114021.12	5928
## ENSG00000154174.8	13374
## ENSG00000206535.8	783
## ENSG00000181458.10	1264
## ENSG00000144820.8	242

## ENSG00000252989.1	0
## ENSG00000243495.1	0
## ENSG00000114354.15	12770
## ENSG00000154175.19	33
## ENSG00000213431.4	0
## ENSG00000201642.1	0
## ENSG00000242573.1	0
## ENSG00000081148.12	19
## ENSG00000138468.16	1684
## ENSG00000241738.1	0
## ENSG00000232830.5	1
## ENSG00000282978.1	76
## ENSG00000201554.1	0
## ENSG00000175841.8	0
## ENSG00000174173.7	4728
## ENSG00000081154.12	17603
## ENSG00000242299.1	607
## ENSG00000289629.1	16
## ENSG00000243396.1	0
## ENSG00000252348.1	0
## ENSG00000212319.1	0
## ENSG00000201511.1	0
## ENSG00000066422.7	3353
## ENSG00000201121.1	2
## ENSG00000256628.4	184
## ENSG00000114391.14	74352
## ENSG00000293268.1	33
## ENSG00000244119.3	0
## ENSG00000182504.12	1756
## ENSG00000144815.18	671
## ENSG00000249474.1	0
## ENSG00000144802.11	761
## ENSG00000287682.1	0
## ENSG00000214407.3	0
## ENSG00000202177.1	0
## ENSG00000241280.1	0
## ENSG00000170044.9	25
## ENSG00000241754.2	0
## ENSG00000201065.1	0
## ENSG00000201922.1	0
## ENSG00000236691.3	0
## ENSG00000265328.1	0
## ENSG00000240107.1	0
## ENSG00000243195.1	0
## ENSG00000214405.3	0
## ENSG00000243635.1	1
## ENSG00000170017.12	7899
## ENSG00000114423.23	3112
## ENSG00000288848.2	7
## ENSG00000287421.1	0
## ENSG00000244652.1	0
## ENSG00000286854.1	0
## ENSG00000291293.1	0
## ENSG00000200610.1	0

## ENSG00000242759.10	7
## ENSG00000288557.1	0
## ENSG00000200361.1	0
## ENSG00000239997.1	0
## ENSG00000241787.1	0
## ENSG00000239632.1	0
## ENSG00000242214.1	0
## ENSG00000242836.1	0
## ENSG00000249580.1	0
## ENSG00000243658.1	0
## ENSG00000240034.1	0
## ENSG00000250630.1	0
## ENSG00000239586.1	0
## ENSG00000240796.1	0
## ENSG00000252626.1	0
## ENSG00000286956.1	0
## ENSG00000239455.1	0
## ENSG00000243701.8	500
## ENSG00000239828.9	8
## ENSG00000241218.1	3
## ENSG00000272597.1	0
## ENSG00000138483.3	5
## ENSG00000273125.2	3
## ENSG00000114439.19	8737
## ENSG00000240423.3	2
## ENSG00000241469.9	0
## ENSG00000279277.2	11
## ENSG00000196776.17	7946
## ENSG00000271856.1	1
## ENSG00000114446.5	7957
## ENSG00000114455.15	362
## ENSG00000243188.1	0
## ENSG00000144821.11	69
## ENSG00000241634.1	55
## ENSG00000163507.15	4251
## ENSG00000202379.1	1
## ENSG00000276763.1	1
## ENSG00000198919.13	2974
## ENSG00000241777.1	0
## ENSG00000163515.7	0
## ENSG00000163519.14	0
## ENSG00000138472.11	0
## ENSG00000114487.10	0
## ENSG00000221633.2	0
## ENSG00000239314.1	0
## ENSG00000241224.8	0
## ENSG00000261364.1	0
## ENSG00000214381.6	11
## ENSG00000252889.1	0
## ENSG00000239288.1	0
## ENSG00000163530.4	2
## ENSG00000277635.1	0
## ENSG00000121570.13	544
## ENSG00000289358.1	1

## ENSG00000241257.1	0
## ENSG00000244561.1	0
## ENSG00000230618.3	0
## ENSG00000228980.4	0
## ENSG00000244196.1	0
## ENSG00000265956.1	0
## ENSG00000242029.1	0
## ENSG00000271249.1	0
## ENSG00000214380.4	0
## ENSG00000243945.1	0
## ENSG00000240895.1	2
## ENSG00000221206.1	0
## ENSG00000244722.1	2
## ENSG00000201426.1	0
## ENSG00000242242.7	577
## ENSG00000289069.1	57
## ENSG00000177707.11	4175
## ENSG00000153283.13	46
## ENSG00000239311.1	0
## ENSG00000244142.1	1
## ENSG00000240787.1	8
## ENSG00000177494.6	3
## ENSG00000244720.1	0
## ENSG00000240891.8	1429
## ENSG00000240766.1	1
## ENSG00000144824.21	15366
## ENSG00000286492.1	8
## ENSG00000144827.9	3017
## ENSG00000144834.14	602
## ENSG00000239439.1	0
## ENSG00000176040.14	16
## ENSG00000114529.13	1741
## ENSG00000207940.1	0
## ENSG00000174500.13	125
## ENSG00000261488.1	49
## ENSG00000172139.15	9
## ENSG00000244144.1	14
## ENSG00000239482.6	37
## ENSG00000283669.1	0
## ENSG00000091972.18	3320
## ENSG00000243081.2	4
## ENSG00000186265.10	0
## ENSG00000242525.1	0
## ENSG00000279349.1	9
## ENSG00000144848.11	2709
## ENSG00000138459.9	3048
## ENSG00000091986.16	16488
## ENSG00000242308.2	0
## ENSG00000240893.1	1
## ENSG00000242770.2	0
## ENSG00000206531.12	0
## ENSG00000289742.1	0
## ENSG00000163606.11	18
## ENSG00000272844.1	3

## ENSG00000163607.18	1342
## ENSG00000163608.15	6156
## ENSG00000240057.8	32
## ENSG00000243483.1	0
## ENSG00000241219.2	0
## ENSG00000243795.1	14
## ENSG00000144857.15	224
## ENSG00000288079.1	2
## ENSG00000206530.11	134
## ENSG00000240751.1	4
## ENSG00000285943.1	6
## ENSG00000243849.2	3
## ENSG00000275670.1	0
## ENSG00000163611.11	235
## ENSG00000072858.11	7
## ENSG00000239453.1	0
## ENSG00000265253.1	0
## ENSG00000241529.3	3
## ENSG00000176542.10	1922
## ENSG00000121579.14	21740
## ENSG00000239280.1	1
## ENSG00000114573.12	8390
## ENSG00000242659.1	0
## ENSG00000178075.20	115
## ENSG00000240776.1	34
## ENSG00000241889.1	14
## ENSG00000240375.1	0
## ENSG00000273394.1	3
## ENSG00000184307.17	855
## ENSG00000163617.11	450
## ENSG00000270880.1	0
## ENSG00000287805.1	0
## ENSG00000285836.1	2
## ENSG00000151576.10	4172
## ENSG00000240912.1	0
## ENSG00000151577.14	0
## ENSG00000241490.1	0
## ENSG00000240487.1	0
## ENSG00000174255.8	0
## ENSG00000181847.12	0
## ENSG00000181722.18	280
## ENSG00000259976.3	0
## ENSG00000284134.1	0
## ENSG00000241560.7	0
## ENSG00000242290.2	0
## ENSG00000241295.1	0
## ENSG00000264623.3	0
## ENSG00000239946.1	0
## ENSG00000240002.1	0
## ENSG00000242767.1	0
## ENSG00000242880.2	3
## ENSG00000288896.2	0
## ENSG00000244157.1	1
## ENSG00000287795.1	0

## ENSG00000288074.1	2
## ENSG00000172020.13	3802
## ENSG00000241596.1	1
## ENSG00000289153.2	3
## ENSG00000185565.13	6163
## ENSG00000243359.3	0
## ENSG00000240922.1	2
## ENSG00000241397.1	0
## ENSG00000241156.3	0
## ENSG00000198406.7	266
## ENSG00000243197.8	0
## ENSG00000278072.1	0
## ENSG00000265433.1	0
## ENSG00000274732.1	0
## ENSG00000242385.1	0
## ENSG00000200372.1	0
## ENSG00000243014.1	14
## ENSG00000206889.1	0
## ENSG00000239268.5	125
## ENSG00000240393.1	0
## ENSG00000241213.2	9
## ENSG00000242816.2	0
## ENSG00000243276.6	2
## ENSG00000286660.1	0
## ENSG00000144847.13	160
## ENSG00000239877.3	0
## ENSG00000163424.9	0
## ENSG00000251012.2	0
## ENSG00000114638.8	323
## ENSG00000121578.13	6629
## ENSG00000240254.2	1
## ENSG00000031081.11	333
## ENSG00000242829.1	0
## ENSG00000241155.1	25
## ENSG00000207310.1	0
## ENSG00000176142.13	3385
## ENSG00000163389.12	2645
## ENSG00000272662.1	4
## ENSG00000113845.10	5293
## ENSG00000121594.12	6
## ENSG00000272967.1	0
## ENSG00000144843.12	399
## ENSG00000144837.9	283
## ENSG00000242052.1	0
## ENSG00000121577.14	30
## ENSG00000289134.1	0
## ENSG00000138495.7	1219
## ENSG00000286584.3	16
## ENSG00000183833.16	1000
## ENSG00000285585.1	1
## ENSG00000239994.2	3
## ENSG00000144852.20	21
## ENSG00000240471.1	1
## ENSG00000082701.17	11862

## ENSG00000288662.1	0
## ENSG00000288667.1	0
## ENSG00000239835.1	0
## ENSG00000241546.1	0
## ENSG00000242622.4	119
## ENSG00000244308.2	1
## ENSG00000244139.3	0
## ENSG00000175697.11	113
## ENSG00000206721.1	0
## ENSG00000240882.1	9
## ENSG00000163428.4	5762
## ENSG00000293512.1	39
## ENSG00000240661.4	0
## ENSG00000282950.1	0
## ENSG00000242613.1	0
## ENSG00000163430.13	84482
## ENSG00000284121.1	0
## ENSG00000286735.1	2
## ENSG00000240774.1	0
## ENSG00000244441.1	2
## ENSG00000065518.8	10747
## ENSG00000113924.12	1625
## ENSG00000144840.10	2989
## ENSG00000240452.1	0
## ENSG00000243257.1	0
## ENSG00000153767.10	3257
## ENSG00000213371.4	19
## ENSG00000286827.1	45
## ENSG00000243593.1	0
## ENSG00000287366.1	0
## ENSG00000145087.14	852
## ENSG00000270782.1	0
## ENSG00000264477.1	0
## ENSG00000243813.1	0
## ENSG00000242103.1	0
## ENSG00000287022.1	7
## ENSG00000051341.15	1658
## ENSG00000242445.1	35
## ENSG00000186103.5	0
## ENSG00000163833.8	0
## ENSG00000180353.11	7
## ENSG00000243544.3	0
## ENSG00000222057.1	0
## ENSG00000173230.17	15149
## ENSG00000288868.2	135
## ENSG00000173226.17	2874
## ENSG00000145088.9	54
## ENSG00000163406.11	275
## ENSG00000145103.15	55
## ENSG00000202388.1	0
## ENSG00000114013.16	0
## ENSG00000287977.1	0
## ENSG00000036828.17	193
## ENSG00000240236.1	0

## ENSG00000121552.4	4
## ENSG00000160124.9	2485
## ENSG00000114023.16	4019
## ENSG00000196981.4	737
## ENSG00000272758.7	45
## ENSG00000242531.1	0
## ENSG00000114030.13	9047
## ENSG00000275348.1	0
## ENSG00000287207.1	5
## ENSG00000138496.17	1386
## ENSG00000163840.10	3318
## ENSG00000173200.13	7
## ENSG00000243918.1	2
## ENSG00000173193.15	2423
## ENSG00000169087.11	738
## ENSG00000138463.9	3208
## ENSG00000273033.2	798
## ENSG00000082684.16	364
## ENSG00000065485.20	4055
## ENSG00000284421.1	0
## ENSG00000121542.12	817
## ENSG00000273454.1	3
## ENSG00000173175.16	308
## ENSG00000272678.1	0
## ENSG00000206527.10	9731
## ENSG00000239523.8	259
## ENSG00000065534.20	626
## ENSG00000250174.5	4
## ENSG00000288806.2	2
## ENSG00000273123.1	3
## ENSG00000207002.1	0
## ENSG00000175455.16	3179
## ENSG00000065371.18	0
## ENSG00000160145.16	3290
## ENSG00000266383.1	0
## ENSG00000240622.1	14
## ENSG00000276656.1	0
## ENSG00000252751.1	0
## ENSG00000288713.1	0
## ENSG00000260391.2	0
## ENSG00000114491.14	5185
## ENSG00000265981.1	2
## ENSG00000242199.1	1
## ENSG00000082781.12	9337
## ENSG00000244286.1	0
## ENSG00000280042.1	0
## ENSG00000276626.1	0
## ENSG00000243986.2	0
## ENSG00000173702.7	785
## ENSG00000173706.15	60037
## ENSG00000252642.1	0
## ENSG00000288022.1	143
## ENSG00000221955.11	976
## ENSG00000199327.1	0

## ENSG00000264986.1	0
## ENSG00000163848.21	5384
## ENSG00000229048.5	0
## ENSG00000243508.1	1
## ENSG00000289324.2	6
## ENSG00000252953.1	0
## ENSG00000114520.11	5636
## ENSG00000201800.1	1
## ENSG00000252965.1	17
## ENSG00000144909.8	4034
## ENSG00000243072.1	0
## ENSG00000242001.1	0
## ENSG00000234458.4	0
## ENSG00000243429.1	0
## ENSG00000228963.3	0
## ENSG00000239978.1	0
## ENSG00000179170.11	0
## ENSG00000239432.1	0
## ENSG00000284624.1	14
## ENSG00000284660.1	0
## ENSG00000272840.1	2
## ENSG00000239804.1	0
## ENSG00000221737.1	0
## ENSG00000242229.1	0
## ENSG00000287617.1	3
## ENSG00000241346.1	0
## ENSG00000241288.8	30
## ENSG00000241278.1	1
## ENSG00000248787.2	5
## ENSG00000291071.1	140
## ENSG00000171084.18	0
## ENSG00000291096.1	19
## ENSG00000189366.13	0
## ENSG00000241439.1	0
## ENSG00000114547.10	1
## ENSG00000114544.17	3323
## ENSG00000248607.1	0
## ENSG00000250012.2	32
## ENSG00000144908.14	68
## ENSG00000250218.1	0
## ENSG00000272020.1	0
## ENSG00000246022.4	5
## ENSG00000287232.1	5
## ENSG00000250934.3	2
## ENSG00000251448.2	2
## ENSG00000287440.1	0
## ENSG00000163884.4	635
## ENSG00000249833.7	0
## ENSG00000163885.12	8
## ENSG00000279328.1	0
## ENSG00000070476.15	1877
## ENSG00000159650.9	7
## ENSG00000180767.11	112
## ENSG00000180697.9	2

## ENSG00000201968.1	0
## ENSG00000197763.20	1748
## ENSG00000248557.1	21
## ENSG00000198284.10	0
## ENSG00000293201.1	0
## ENSG00000248850.1	0
## ENSG00000159685.11	2234
## ENSG00000249558.1	1
## ENSG00000280053.1	5
## ENSG00000114554.12	28591
## ENSG00000287784.1	14
## ENSG00000214324.5	0
## ENSG00000212556.1	0
## ENSG00000290035.1	0
## ENSG00000243016.1	0
## ENSG00000289641.1	0
## ENSG00000201288.1	0
## ENSG00000286919.1	0
## ENSG00000239620.3	0
## ENSG00000244215.2	0
## ENSG00000288769.2	1
## ENSG00000239921.6	0
## ENSG00000240562.1	0
## ENSG00000282975.1	0
## ENSG00000282860.1	0
## ENSG00000163870.16	2121
## ENSG00000275067.1	0
## ENSG00000276083.1	0
## ENSG00000073111.14	14267
## ENSG00000285600.2	3
## ENSG00000114631.11	13192
## ENSG00000114626.18	564
## ENSG00000074416.16	1742
## ENSG00000287143.1	0
## ENSG00000187715.13	9
## ENSG00000201210.1	0
## ENSG00000058262.11	45217
## ENSG00000175792.12	13631
## ENSG00000222627.1	1
## ENSG00000239608.1	4
## ENSG00000212344.1	0
## ENSG00000132394.11	1531
## ENSG00000285619.1	0
## ENSG00000179407.4	0
## ENSG00000242049.1	0
## ENSG00000179348.13	70
## ENSG00000244300.3	49
## ENSG00000239405.1	9
## ENSG00000286806.1	2
## ENSG00000198685.4	0
## ENSG00000163902.12	48302
## ENSG00000277250.1	0
## ENSG00000242551.2	0
## ENSG00000075785.14	18702

## ENSG00000207130.1	0
## ENSG00000239503.1	0
## ENSG00000242992.3	5
## ENSG00000244232.3	0
## ENSG00000239483.1	0
## ENSG00000244065.1	0
## ENSG00000243022.1	0
## ENSG00000290241.1	9
## ENSG00000242062.1	0
## ENSG00000290242.1	2
## ENSG00000261159.1	9
## ENSG00000231305.4	30
## ENSG00000250796.1	7
## ENSG00000287110.3	51
## ENSG00000177646.20	4162
## ENSG00000114656.13	412
## ENSG00000279507.1	0
## ENSG00000114654.8	19
## ENSG00000249505.1	0
## ENSG00000169704.5	0
## ENSG00000290001.1	1
## ENSG00000172780.17	205
## ENSG00000261796.1	2
## ENSG00000273174.1	14
## ENSG00000240682.10	654
## ENSG00000288996.2	5
## ENSG00000273437.1	10
## ENSG00000169714.17	36945
## ENSG00000289469.2	16
## ENSG00000241673.1	0
## ENSG00000289351.2	0
## ENSG00000181789.14	18581
## ENSG00000278658.1	0
## ENSG00000286729.1	17
## ENSG00000183624.14	3698
## ENSG00000184897.7	7768
## ENSG00000206417.8	213
## ENSG00000248916.1	3
## ENSG00000270492.1	1
## ENSG00000270773.1	3
## ENSG00000244932.2	24
## ENSG00000290993.1	373
## ENSG00000251474.8	0
## ENSG00000207088.1	3
## ENSG00000172771.13	92
## ENSG00000163913.14	2246
## ENSG00000129071.10	2390
## ENSG00000163914.5	2
## ENSG00000178804.8	0
## ENSG00000004399.13	3265
## ENSG00000239437.3	1
## ENSG00000248659.1	0
## ENSG00000172765.19	4299
## ENSG00000202412.1	0

## ENSG00000283509.1	0
## ENSG00000203644.3	536
## ENSG00000271270.8	167
## ENSG00000250643.1	0
## ENSG00000170893.4	76
## ENSG00000248459.1	0
## ENSG00000284731.1	0
## ENSG00000249869.1	0
## ENSG00000180770.3	0
## ENSG00000251178.1	0
## ENSG00000251610.2	1
## ENSG00000251287.9	7
## ENSG00000248243.1	11
## ENSG00000291081.1	195
## ENSG00000253540.8	1
## ENSG00000249846.7	159
## ENSG00000248618.1	0
## ENSG00000288111.2	0
## ENSG00000250580.1	0
## ENSG00000293535.2	1
## ENSG00000228252.10	0
## ENSG00000249253.1	0
## ENSG00000172752.16	3
## ENSG00000206384.11	10
## ENSG00000196455.8	4947
## ENSG00000222783.1	0
## ENSG00000285631.1	0
## ENSG00000232829.3	6
## ENSG00000017260.20	22037
## ENSG00000284095.1	0
## ENSG00000250592.1	0
## ENSG00000252894.2	0
## ENSG00000249098.1	0
## ENSG00000251579.1	0
## ENSG00000034533.12	931
## ENSG00000114670.14	518
## ENSG00000250129.5	0
## ENSG00000201550.1	0
## ENSG00000250608.2	17
## ENSG00000293492.1	769
## ENSG00000246082.5	0
## ENSG00000198585.12	5041
## ENSG00000261167.1	221
## ENSG00000114686.9	15145
## ENSG00000249020.1	2
## ENSG00000248468.2	3
## ENSG00000248530.1	7
## ENSG00000196353.13	130
## ENSG00000251447.1	0
## ENSG00000289118.1	0
## ENSG00000265859.1	0
## ENSG00000240854.1	0
## ENSG00000242899.1	37
## ENSG00000014257.17	93

## ENSG00000240890.2	1
## ENSG00000213264.3	1
## ENSG00000138246.17	5893
## ENSG00000240303.8	63
## ENSG00000274810.4	0
## ENSG00000129048.7	10
## ENSG00000251614.1	0
## ENSG00000081307.15	4221
## ENSG00000113971.21	298
## ENSG00000248724.6	1
## ENSG00000249725.1	1
## ENSG00000144868.14	310
## ENSG00000251011.6	0
## ENSG00000170819.5	1
## ENSG00000249820.1	0
## ENSG00000249993.1	0
## ENSG00000214301.4	0
## ENSG00000272832.1	0
## ENSG00000250983.1	0
## ENSG00000201827.1	0
## ENSG00000091527.17	25758
## ENSG00000163781.14	7303
## ENSG00000291042.1	1
## ENSG00000252641.2	0
## ENSG00000242337.8	2
## ENSG00000201394.1	0
## ENSG00000091513.16	94
## ENSG00000244062.1	0
## ENSG00000144867.13	7562
## ENSG00000285908.1	1
## ENSG00000154917.11	3151
## ENSG00000288547.3	6
## ENSG00000174640.15	782
## ENSG00000243832.1	0
## ENSG00000163785.14	8026
## ENSG00000231845.3	3
## ENSG00000240006.2	2
## ENSG00000260633.1	13
## ENSG00000293138.1	1
## ENSG00000214289.3	0
## ENSG00000114019.15	14959
## ENSG00000248377.1	0
## ENSG00000214288.4	0
## ENSG00000129055.13	7090
## ENSG00000182923.20	764
## ENSG00000288700.2	8
## ENSG00000249691.1	0
## ENSG00000174611.12	11
## ENSG00000286982.1	0
## ENSG00000253087.1	0
## ENSG00000201413.1	0
## ENSG00000154928.19	456
## ENSG00000240086.7	159
## ENSG00000242222.1	0

## ENSG00000241905.1	0
## ENSG00000073711.11	6690
## ENSG00000227267.3	0
## ENSG00000273455.1	1
## ENSG00000174579.5	4551
## ENSG00000241438.1	0
## ENSG00000244740.1	0
## ENSG00000114054.14	6542
## ENSG00000118007.13	4915
## ENSG00000200571.1	0
## ENSG00000244101.1	0
## ENSG00000252914.1	0
## ENSG00000240695.1	16
## ENSG00000261758.1	6
## ENSG00000286915.1	2
## ENSG00000242968.1	1
## ENSG00000168917.9	377
## ENSG00000239213.7	249
## ENSG00000273486.1	105
## ENSG00000158092.7	2388
## ENSG00000214283.4	0
## ENSG00000174564.13	48
## ENSG00000249407.1	0
## ENSG00000201325.1	0
## ENSG00000243886.1	0
## ENSG00000242070.1	0
## ENSG00000168875.3	0
## ENSG00000239513.6	0
## ENSG00000261146.1	0
## ENSG00000241478.1	27
## ENSG00000066405.13	9671
## ENSG00000272609.1	1
## ENSG00000158163.15	1301
## ENSG00000240668.1	155
## ENSG00000118017.4	40
## ENSG00000286396.1	0
## ENSG00000138231.14	3030
## ENSG00000114098.18	3931
## ENSG00000181322.15	54
## ENSG00000158186.13	2477
## ENSG00000158220.14	194
## ENSG00000280399.1	15
## ENSG00000114107.9	4052
## ENSG00000158234.13	1806
## ENSG00000174715.7	0
## ENSG00000051382.9	5160
## ENSG00000239207.2	2
## ENSG00000242321.1	0
## ENSG00000241429.1	41
## ENSG00000242244.1	0
## ENSG00000244578.1	2
## ENSG00000183770.7	62
## ENSG00000206262.9	21
## ENSG00000206260.4	0

## ENSG00000175110.14	3629
## ENSG00000184814.5	0
## ENSG00000233701.3	0
## ENSG00000251137.1	0
## ENSG00000232416.3	0
## ENSG00000281473.1	0
## ENSG00000276304.1	0
## ENSG00000286988.1	0
## ENSG00000272656.1	0
## ENSG00000184432.11	21394
## ENSG00000283418.1	4
## ENSG00000248932.8	560
## ENSG00000114113.6	9
## ENSG00000248790.1	0
## ENSG00000178631.7	46
## ENSG00000114115.11	22749
## ENSG00000163864.18	1919
## ENSG00000214280.3	2
## ENSG00000201600.1	0
## ENSG00000244692.3	0
## ENSG00000261763.1	0
## ENSG00000250543.1	0
## ENSG00000251471.1	1
## ENSG00000250161.1	0
## ENSG00000158258.16	92807
## ENSG00000249290.5	6
## ENSG00000251058.1	0
## ENSG00000289632.1	1
## ENSG00000250433.1	3
## ENSG00000249305.1	0
## ENSG00000155890.4	0
## ENSG00000261826.1	0
## ENSG00000224085.3	0
## ENSG00000114120.14	6569
## ENSG00000248773.1	5
## ENSG00000175093.5	1563
## ENSG00000251270.1	1
## ENSG00000155893.13	3726
## ENSG00000287155.1	1
## ENSG00000241400.1	1
## ENSG00000249417.1	1
## ENSG00000249540.1	1
## ENSG00000177311.12	2442
## ENSG00000288585.1	1
## ENSG00000215606.4	0
## ENSG00000155903.14	1137
## ENSG00000250170.1	0
## ENSG00000249986.1	3
## ENSG00000293386.1	0
## ENSG00000242104.6	0
## ENSG00000241899.1	1
## ENSG00000241526.1	0
## ENSG00000114125.14	5825
## ENSG00000285558.1	0

## ENSG00000114124.3	7
## ENSG00000286822.1	0
## ENSG00000228398.3	0
## ENSG00000069849.11	18210
## ENSG00000200389.1	0
## ENSG00000244124.1	6
## ENSG00000279147.1	0
## ENSG00000114126.18	7621
## ENSG00000233597.3	33
## ENSG00000206604.1	0
## ENSG00000175066.16	1179
## ENSG00000114127.11	2017
## ENSG00000251804.1	0
## ENSG00000202125.1	0
## ENSG00000175054.16	3096
## ENSG00000242479.1	0
## ENSG00000244327.1	0
## ENSG00000242390.1	0
## ENSG00000252745.1	0
## ENSG00000120756.13	3481
## ENSG00000239641.1	0
## ENSG00000287045.2	4
## ENSG00000199319.1	0
## ENSG00000144935.17	621
## ENSG00000251787.1	1
## ENSG00000163710.9	154
## ENSG00000240950.1	34
## ENSG00000243818.7	0
## ENSG00000188582.10	111
## ENSG00000241592.1	0
## ENSG00000241570.8	2
## ENSG00000163714.18	12395
## ENSG00000268129.2	2
## ENSG00000243733.1	0
## ENSG00000175040.6	225
## ENSG00000241679.2	2
## ENSG00000244171.4	44
## ENSG00000181804.15	13
## ENSG00000240888.1	0
## ENSG00000240012.1	0
## ENSG00000244493.1	0
## ENSG00000243033.2	0
## ENSG00000243759.1	10
## ENSG00000248374.1	0
## ENSG00000235110.5	0
## ENSG00000181744.9	9367
## ENSG00000222778.1	0
## ENSG00000289986.1	1
## ENSG00000280397.1	0
## ENSG00000244024.1	0
## ENSG00000241695.1	0
## ENSG00000239797.1	16
## ENSG00000244358.1	0
## ENSG00000240095.1	0

## ENSG00000152952.14	10068
## ENSG00000261051.1	39
## ENSG00000243415.2	10
## ENSG00000240032.1	21
## ENSG00000114698.15	62
## ENSG00000243596.1	0
## ENSG00000293191.1	0
## ENSG00000163746.13	2
## ENSG00000241358.2	0
## ENSG00000279320.1	3
## ENSG00000188313.13	2336
## ENSG00000199812.1	0
## ENSG00000231213.7	2
## ENSG00000241457.1	0
## ENSG00000243620.2	0
## ENSG00000242671.2	0
## ENSG00000207156.1	0
## ENSG00000239412.1	0
## ENSG00000174963.18	42
## ENSG00000241202.1	0
## ENSG00000152977.10	131
## ENSG00000240804.1	0
## ENSG00000289451.2	0
## ENSG00000239661.1	0
## ENSG00000239922.2	0
## ENSG00000285798.1	0
## ENSG00000241131.2	0
## ENSG00000285660.1	0
## ENSG00000241792.1	0
## ENSG00000244650.2	0
## ENSG00000205412.5	0
## ENSG00000243347.2	0
## ENSG00000242440.2	11
## ENSG00000285557.1	1
## ENSG00000241993.1	0
## ENSG00000144891.19	660
## ENSG00000153002.12	194
## ENSG00000244089.1	0
## ENSG00000240521.1	0
## ENSG00000163751.4	3
## ENSG00000287198.1	0
## ENSG00000241627.3	27
## ENSG00000163754.18	5717
## ENSG00000071794.16	4447
## ENSG00000239718.1	0
## ENSG00000201031.1	0
## ENSG00000240511.1	0
## ENSG00000163755.9	3517
## ENSG00000047457.14	660
## ENSG00000286714.1	2
## ENSG00000293537.1	0
## ENSG00000240216.8	1
## ENSG00000293384.1	0
## ENSG00000244468.1	13

## ENSG00000163762.7	134
## ENSG00000243822.1	0
## ENSG00000169908.12	6278
## ENSG00000240541.3	10
## ENSG00000243885.1	0
## ENSG00000240246.1	0
## ENSG00000241929.1	0
## ENSG00000282502.1	0
## ENSG00000239408.1	0
## ENSG00000169903.7	21760
## ENSG00000244503.1	150
## ENSG00000018408.15	3664
## ENSG00000252581.1	0
## ENSG00000241985.1	0
## ENSG00000241313.3	9
## ENSG00000114744.9	5550
## ENSG00000206199.11	10
## ENSG00000251854.1	0
## ENSG00000082996.20	3952
## ENSG00000252172.1	2
## ENSG00000239351.1	1
## ENSG00000070087.15	24282
## ENSG00000242791.2	10
## ENSG00000224831.3	85
## ENSG00000182000.9	4
## ENSG00000241947.1	0
## ENSG00000243944.5	3
## ENSG00000240477.1	2
## ENSG00000243321.3	0
## ENSG00000241143.1	0
## ENSG00000241048.1	0
## ENSG00000244541.6	1
## ENSG00000278234.1	0
## ENSG00000243550.3	7
## ENSG00000289524.2	2
## ENSG00000286501.1	0
## ENSG00000289086.2	2
## ENSG00000196428.13	2813
## ENSG00000120742.11	17199
## ENSG00000144895.12	10088
## ENSG00000198843.14	8230
## ENSG00000271711.1	3
## ENSG00000163645.15	0
## ENSG00000240137.8	128
## ENSG00000244668.1	0
## ENSG00000287688.1	1
## ENSG00000181788.4	3033
## ENSG00000244265.2	5
## ENSG00000289005.2	4
## ENSG00000239265.5	4
## ENSG00000214237.11	0
## ENSG00000260234.5	0
## ENSG00000243273.2	0
## ENSG00000163646.12	0

## ENSG00000276055.1	0
## ENSG00000144893.13	700
## ENSG00000199994.1	0
## ENSG00000174946.7	0
## ENSG00000174944.9	0
## ENSG00000239570.1	0
## ENSG00000286273.1	0
## ENSG00000138271.6	58
## ENSG00000181631.7	0
## ENSG00000169313.10	0
## ENSG00000152580.9	1094
## ENSG00000242810.1	0
## ENSG00000242119.1	0
## ENSG00000264330.1	0
## ENSG00000241151.1	0
## ENSG00000197953.6	0
## ENSG00000242908.6	0
## ENSG00000242097.1	0
## ENSG00000291076.1	8
## ENSG00000240602.10	0
## ENSG00000250271.3	0
## ENSG00000290514.1	0
## ENSG00000114771.14	3
## ENSG00000198829.6	0
## ENSG00000239941.1	0
## ENSG00000289315.2	0
## ENSG00000152601.18	2273
## ENSG00000229619.6	84
## ENSG00000293032.1	0
## ENSG00000221962.6	0
## ENSG00000201217.1	0
## ENSG00000243305.1	0
## ENSG00000244545.1	0
## ENSG00000287706.3	0
## ENSG00000242561.1	0
## ENSG00000169860.7	2324
## ENSG00000241810.1	0
## ENSG00000241671.1	0
## ENSG00000288787.1	1
## ENSG00000244268.1	1
## ENSG00000289885.1	8
## ENSG00000181467.5	8700
## ENSG00000265813.2	0
## ENSG00000290079.1	0
## ENSG00000241220.1	0
## ENSG00000241912.1	0
## ENSG00000238755.3	13
## ENSG00000237787.5	0
## ENSG00000207323.1	0
## ENSG00000200162.1	0
## ENSG00000243486.1	2
## ENSG00000201398.1	0
## ENSG00000240068.1	0
## ENSG00000243069.9	14

## ENSG00000114790.13	1331
## ENSG00000174953.14	11090
## ENSG00000271922.1	0
## ENSG00000279305.1	0
## ENSG00000174948.6	16
## ENSG00000240048.1	3
## ENSG00000243861.1	0
## ENSG00000243154.1	0
## ENSG00000242151.1	0
## ENSG00000240601.1	0
## ENSG00000243969.1	0
## ENSG00000243953.1	0
## ENSG00000196549.13	532
## ENSG00000240666.2	0
## ENSG00000241336.2	0
## ENSG00000240045.2	2
## ENSG00000242790.1	1
## ENSG00000239443.1	11
## ENSG00000114805.18	2396
## ENSG00000248772.1	0
## ENSG00000243518.1	1
## ENSG00000242152.1	0
## ENSG00000272096.2	0
## ENSG00000239508.1	0
## ENSG00000242925.1	0
## ENSG00000239212.2	0
## ENSG00000214919.3	5
## ENSG00000241307.1	8
## ENSG00000174928.16	185
## ENSG00000284952.1	0
## ENSG00000169359.16	1270
## ENSG00000286585.3	16
## ENSG00000163655.16	20159
## ENSG00000288032.1	0
## ENSG00000240489.1	245
## ENSG00000174930.4	0
## ENSG00000169282.19	144
## ENSG00000242017.1	0
## ENSG00000242537.1	0
## ENSG00000287916.1	13
## ENSG00000227709.4	0
## ENSG00000240596.1	2
## ENSG00000242370.1	1
## ENSG00000272990.1	13
## ENSG00000114850.7	24054
## ENSG00000243926.3	33
## ENSG00000163659.13	5215
## ENSG00000174912.7	12
## ENSG00000240875.6	30
## ENSG00000230457.3	50
## ENSG00000197980.14	39
## ENSG00000241879.1	0
## ENSG00000239706.1	0
## ENSG00000222499.1	0

## ENSG00000243629.2	5
## ENSG00000241544.2	1
## ENSG00000289409.2	0
## ENSG00000241135.8	3
## ENSG00000163660.12	2441
## ENSG00000201778.1	0
## ENSG00000244515.1	53
## ENSG00000241770.1	9
## ENSG00000222675.1	0
## ENSG00000243176.8	161
## ENSG00000270981.1	0
## ENSG00000286361.1	0
## ENSG00000197415.12	245
## ENSG00000163661.4	273
## ENSG00000293490.1	16
## ENSG00000174899.14	0
## ENSG00000286892.1	0
## ENSG00000242536.2	0
## ENSG00000251751.1	0
## ENSG00000239716.1	0
## ENSG00000168779.21	27
## ENSG00000174891.14	4101
## ENSG00000241723.1	1
## ENSG00000277143.1	0
## ENSG00000243314.1	0
## ENSG00000243150.6	0
## ENSG00000178053.21	2412
## ENSG00000243025.1	0
## ENSG00000243165.1	0
## ENSG00000168827.15	5550
## ENSG00000079257.8	507
## ENSG00000272087.1	0
## ENSG00000118849.10	107
## ENSG00000118855.21	1281
## ENSG00000240207.7	26
## ENSG00000243675.1	0
## ENSG00000271778.1	3
## ENSG00000272247.1	3
## ENSG00000232374.5	0
## ENSG00000279311.1	4
## ENSG00000283154.3	124
## ENSG00000214216.11	0
## ENSG00000263634.1	0
## ENSG00000244249.1	0
## ENSG00000286913.1	2
## ENSG00000243116.1	0
## ENSG00000241211.1	1
## ENSG00000252763.1	0
## ENSG00000151967.18	25
## ENSG00000244040.7	26
## ENSG00000168811.8	12
## ENSG00000242107.2	0
## ENSG00000184100.6	54
## ENSG00000180044.6	247

## ENSG00000248710.1	0
## ENSG00000068885.15	1030
## ENSG00000243687.1	0
## ENSG00000113810.16	9913
## ENSG00000207779.1	0
## ENSG00000198987.1	0
## ENSG00000213186.8	1988
## ENSG00000244009.1	10
## ENSG00000238427.1	0
## ENSG00000186432.10	16173
## ENSG00000238741.1	0
## ENSG00000293192.1	108
## ENSG00000229320.4	167
## ENSG00000242285.1	0
## ENSG00000179674.4	154
## ENSG00000207084.1	0
## ENSG00000260572.1	27
## ENSG00000163590.14	7144
## ENSG00000169255.15	1854
## ENSG00000169251.13	8723
## ENSG00000271052.1	0
## ENSG00000240138.1	1
## ENSG00000243838.1	4
## ENSG00000196542.9	3644
## ENSG00000240567.1	5
## ENSG00000269888.1	0
## ENSG00000234851.4	401
## ENSG00000182447.4	0
## ENSG00000288087.1	0
## ENSG00000240354.1	0
## ENSG00000241874.1	0
## ENSG00000243044.1	0
## ENSG00000241168.1	0
## ENSG00000241369.6	0
## ENSG00000244571.1	0
## ENSG00000240792.2	0
## ENSG00000238924.2	0
## ENSG00000214210.4	0
## ENSG00000221251.1	0
## ENSG00000289884.1	0
## ENSG00000241636.1	0
## ENSG00000241767.2	0
## ENSG00000090402.8	120
## ENSG00000200052.1	0
## ENSG00000239205.1	0
## ENSG00000121871.4	56
## ENSG00000244128.9	3
## ENSG00000114200.10	608
## ENSG00000242178.1	0
## ENSG00000240084.1	0
## ENSG00000240824.1	0
## ENSG00000242456.1	0
## ENSG00000242326.1	0
## ENSG00000244429.1	0

## ENSG00000244321.1	0
## ENSG00000274149.1	0
## ENSG00000251759.1	0
## ENSG00000224962.4	1
## ENSG00000240458.1	0
## ENSG00000231516.3	0
## ENSG00000240033.1	0
## ENSG00000239227.1	3
## ENSG00000220343.5	0
## ENSG00000169064.13	123
## ENSG00000241669.1	0
## ENSG00000114204.16	1
## ENSG00000174776.12	3
## ENSG00000114209.15	3952
## ENSG00000241120.1	2
## ENSG00000163536.13	1140
## ENSG00000287319.1	0
## ENSG00000293511.1	1
## ENSG00000244706.4	0
## ENSG00000239238.1	0
## ENSG00000244227.10	0
## ENSG00000242036.1	0
## ENSG00000241203.1	0
## ENSG00000173905.9	6808
## ENSG00000286994.1	0
## ENSG00000293389.1	23
## ENSG00000206120.12	1
## ENSG00000241882.1	0
## ENSG00000222357.1	0
## ENSG00000207717.1	0
## ENSG00000226765.1	1
## ENSG00000231688.1	0
## ENSG00000242268.3	3
## ENSG00000272797.1	0
## ENSG00000273177.1	0
## ENSG00000241383.2	0
## ENSG00000085276.19	14718
## ENSG00000241479.1	10
## ENSG00000213178.3	120
## ENSG00000242795.2	2
## ENSG00000244381.1	1
## ENSG00000206777.1	0
## ENSG00000270141.3	2
## ENSG00000277925.1	0
## ENSG00000184378.3	206
## ENSG00000269889.1	8
## ENSG00000085274.16	1673
## ENSG00000269984.1	18
## ENSG00000171757.17	264
## ENSG00000270135.1	0
## ENSG00000270096.1	0
## ENSG00000188306.7	3
## ENSG00000114248.10	185
## ENSG00000240128.1	0

## ENSG00000187033.9	0
## ENSG00000244039.1	0
## ENSG00000239219.2	9
## ENSG00000244193.1	0
## ENSG00000008952.17	14535
## ENSG00000240373.1	2
## ENSG00000173890.17	1296
## ENSG00000201342.1	0
## ENSG00000242583.1	0
## ENSG00000173889.16	2818
## ENSG00000199536.1	0
## ENSG00000163558.13	9738
## ENSG00000200118.1	0
## ENSG00000239628.1	0
## ENSG00000136603.15	3423
## ENSG00000242578.1	0
## ENSG00000013297.12	333
## ENSG00000285218.1	0
## ENSG00000283474.1	0
## ENSG00000285051.2	2
## ENSG00000013293.6	131
## ENSG00000241416.1	15
## ENSG00000213174.3	1
## ENSG00000244738.1	0
## ENSG00000286695.1	0
## ENSG00000289233.1	0
## ENSG00000239739.1	0
## ENSG00000163584.18	5529
## ENSG00000163577.8	402
## ENSG00000286856.1	0
## ENSG00000240704.1	0
## ENSG00000199488.1	0
## ENSG00000163581.14	1025
## ENSG00000154310.17	9836
## ENSG00000207963.1	0
## ENSG00000222506.1	0
## ENSG00000240497.3	15
## ENSG00000279673.2	249
## ENSG00000207114.1	0
## ENSG00000234594.1	0
## ENSG00000075651.17	9545
## ENSG00000234717.2	0
## ENSG00000186329.9	0
## ENSG00000235943.1	0
## ENSG00000287899.1	0
## ENSG00000075420.13	12192
## ENSG00000237483.1	0
## ENSG00000243398.3	0
## ENSG00000279862.1	0
## ENSG00000236686.1	6
## ENSG00000121853.4	0
## ENSG00000121858.11	229
## ENSG00000224611.1	0
## ENSG00000223387.6	1

## ENSG00000224426.1	1
## ENSG00000144959.11	868
## ENSG00000231384.1	0
## ENSG00000252082.1	0
## ENSG00000287012.1	0
## ENSG00000114346.14	8072
## ENSG00000200355.1	0
## ENSG00000201458.1	0
## ENSG00000227440.1	16
## ENSG00000237501.1	1
## ENSG00000144962.7	0
## ENSG00000237473.2	0
## ENSG00000169760.18	170
## ENSG00000237645.1	0
## ENSG00000289417.1	0
## ENSG00000228213.5	0
## ENSG00000252982.1	0
## ENSG00000232601.1	0
## ENSG00000213169.3	32
## ENSG00000177694.16	145
## ENSG00000253020.2	0
## ENSG00000230497.2	0
## ENSG00000230292.5	0
## ENSG00000226779.1	0
## ENSG00000264974.1	0
## ENSG00000199792.1	0
## ENSG00000288104.1	0
## ENSG00000201648.1	0
## ENSG00000236241.1	0
## ENSG00000214192.3	17
## ENSG00000201452.1	0
## ENSG00000225552.1	0
## ENSG00000260217.1	0
## ENSG00000230362.1	6
## ENSG00000236357.1	0
## ENSG00000271413.1	0
## ENSG00000238026.1	0
## ENSG00000288895.2	0
## ENSG00000223715.3	33
## ENSG00000283333.1	0
## ENSG00000252302.1	0
## ENSG00000228308.2	0
## ENSG00000231888.1	1
## ENSG00000177565.19	14368
## ENSG00000231310.3	1
## ENSG00000201343.1	0
## ENSG00000200882.1	0
## ENSG00000203645.2	6
## ENSG00000236893.1	0
## ENSG00000226782.2	0
## ENSG00000228221.6	9
## ENSG00000252028.1	0
## ENSG00000236385.1	0
## ENSG00000200288.1	0

## ENSG00000228561.2	0
## ENSG00000277241.1	0
## ENSG00000231574.7	17
## ENSG00000225790.3	1
## ENSG00000270321.2	0
## ENSG00000199858.1	0
## ENSG00000286003.1	1
## ENSG00000223930.9	10
## ENSG00000197584.13	7
## ENSG00000275163.1	0
## ENSG00000223941.5	3
## ENSG00000252336.1	0
## ENSG00000271131.1	0
## ENSG00000237978.6	36
## ENSG00000172667.11	8870
## ENSG00000200616.1	0
## ENSG00000229102.1	0
## ENSG00000121879.6	3260
## ENSG00000201957.1	0
## ENSG00000171121.17	71
## ENSG00000240429.1	99
## ENSG00000121864.10	4270
## ENSG00000260743.1	24
## ENSG00000171109.19	4083
## ENSG00000289574.1	3
## ENSG00000114450.11	644
## ENSG00000242539.2	0
## ENSG00000272699.1	1
## ENSG00000239255.1	0
## ENSG00000181260.8	2
## ENSG00000136518.17	9463
## ENSG00000272910.1	17
## ENSG00000272660.1	3
## ENSG00000136522.14	6390
## ENSG00000136521.13	3090
## ENSG00000288698.1	5
## ENSG00000239096.1	0
## ENSG00000243977.1	5
## ENSG00000058056.10	1803
## ENSG00000114757.19	195
## ENSG00000243799.1	0
## ENSG00000244302.2	0
## ENSG00000287645.1	0
## ENSG00000201822.1	0
## ENSG00000282327.1	0
## ENSG00000213158.6	0
## ENSG00000239880.1	0
## ENSG00000241696.2	0
## ENSG00000201810.1	0
## ENSG00000239774.1	2
## ENSG00000199986.1	0
## ENSG00000241946.1	0
## ENSG00000163728.11	1057
## ENSG00000284862.3	20

## ENSG00000145075.13	0
## ENSG00000243187.1	0
## ENSG00000285336.1	0
## ENSG00000242811.3	0
## ENSG00000242068.1	0
## ENSG00000241473.1	0
## ENSG00000239516.1	0
## ENSG00000114416.19	24820
## ENSG00000213157.3	0
## ENSG00000205981.9	2135
## ENSG00000242808.12	14
## ENSG00000242140.1	3
## ENSG00000206932.1	9
## ENSG00000237806.1	0
## ENSG00000241231.2	0
## ENSG00000235294.1	0
## ENSG00000239381.7	0
## ENSG00000276074.1	0
## ENSG00000276690.1	0
## ENSG00000289435.1	4
## ENSG00000181449.4	1872
## ENSG00000278026.1	0
## ENSG00000266317.2	0
## ENSG00000199839.1	0
## ENSG00000239805.1	0
## ENSG00000213155.4	0
## ENSG00000242512.9	1
## ENSG00000252257.1	0
## ENSG00000286453.1	2
## ENSG00000240478.1	0
## ENSG00000287605.1	0
## ENSG00000242012.1	0
## ENSG00000241098.1	0
## ENSG00000244199.1	2
## ENSG00000244247.2	0
## ENSG00000287941.1	0
## ENSG00000228766.3	1
## ENSG00000238837.3	0
## ENSG00000243378.1	0
## ENSG00000260377.1	0
## ENSG00000240063.1	4
## ENSG00000058063.16	9414
## ENSG00000270554.1	0
## ENSG00000273261.1	24
## ENSG00000043093.15	6579
## ENSG00000244346.1	0
## ENSG00000078070.14	2690
## ENSG00000243368.2	3
## ENSG00000078081.8	159
## ENSG00000053524.13	76
## ENSG00000176597.12	3613
## ENSG00000202502.1	3
## ENSG00000289859.1	0
## ENSG00000291106.1	621

## ENSG00000240024.8	0
## ENSG00000201229.1	1
## ENSG00000253092.1	3
## ENSG00000199363.1	0
## ENSG00000251730.1	0
## ENSG00000271682.1	0
## ENSG00000172578.12	4
## ENSG00000242522.1	0
## ENSG00000243584.1	0
## ENSG00000114796.16	4749
## ENSG00000163872.16	8809
## ENSG00000233885.7	16
## ENSG00000283765.1	4
## ENSG00000180834.8	6
## ENSG00000175193.14	1045
## ENSG00000293259.1	0
## ENSG00000263932.1	0
## ENSG00000234371.7	1
## ENSG00000233441.7	0
## ENSG00000293463.1	0
## ENSG00000114770.17	3739
## ENSG00000223882.1	0
## ENSG00000223529.1	72
## ENSG00000186090.11	0
## ENSG00000178084.2	2
## ENSG00000233576.1	0
## ENSG00000207351.1	0
## ENSG00000238020.1	0
## ENSG00000186038.9	0
## ENSG00000205955.4	10
## ENSG00000273181.1	12
## ENSG00000272721.5	16
## ENSG00000145191.15	6353
## ENSG00000228205.1	128
## ENSG00000161202.20	9745
## ENSG00000161203.14	28060
## ENSG00000161204.12	4908
## ENSG00000145198.15	1198
## ENSG00000221120.1	0
## ENSG00000214160.10	4657
## ENSG00000284753.2	422
## ENSG00000284917.1	0
## ENSG00000163888.4	126
## ENSG00000145194.19	0
## ENSG00000175166.17	38243
## ENSG00000114867.22	73343
## ENSG00000212158.1	1
## ENSG00000175182.15	1027
## ENSG00000114859.16	1410
## ENSG00000163882.10	5424
## ENSG00000090534.20	414
## ENSG00000289500.2	17
## ENSG00000090539.16	368
## ENSG00000224153.3	0

## ENSG00000283625.1	0
## ENSG00000227509.1	0
## ENSG00000230215.1	0
## ENSG00000182580.3	2219
## ENSG00000177383.5	5503
## ENSG00000272970.5	95
## ENSG00000229433.2	0
## ENSG00000273403.1	6
## ENSG00000272922.1	0
## ENSG00000288576.1	0
## ENSG00000156931.16	4655
## ENSG00000187068.3	282
## ENSG00000223358.5	0
## ENSG00000113790.11	1424
## ENSG00000229704.1	1
## ENSG00000264614.1	0
## ENSG00000073803.14	1197
## ENSG00000229638.1	960
## ENSG00000163900.11	3799
## ENSG00000286086.1	4
## ENSG00000163898.10	687
## ENSG00000163904.13	5857
## ENSG00000236489.1	0
## ENSG00000073792.16	18938
## ENSG00000163915.7	2
## ENSG00000265470.1	0
## ENSG00000136527.19	22176
## ENSG00000290862.1	1
## ENSG00000171658.9	0
## ENSG00000244405.8	3317
## ENSG00000277118.1	0
## ENSG00000234197.1	4
## ENSG00000058866.15	199
## ENSG00000234548.7	0
## ENSG00000224406.6	0
## ENSG00000226859.1	12
## ENSG00000213139.8	23
## ENSG00000113838.13	1303
## ENSG00000090520.12	7647
## ENSG00000197099.8	3
## ENSG00000283149.1	0
## ENSG00000283390.1	13
## ENSG00000145192.13	361
## ENSG00000275696.1	0
## ENSG00000090512.12	0
## ENSG00000113905.5	11
## ENSG00000225175.1	0
## ENSG00000226724.1	0
## ENSG00000113889.14	20
## ENSG00000293182.1	0
## ENSG00000226652.4	0
## ENSG00000207505.1	0
## ENSG00000230951.1	0
## ENSG00000263826.1	21

## ENSG00000156976.17	32931
## ENSG00000238942.1	0
## ENSG00000200418.1	0
## ENSG00000283958.1	0
## ENSG00000221420.2	0
## ENSG00000200320.1	0
## ENSG00000263776.1	0
## ENSG00000163918.12	3354
## ENSG00000231724.1	0
## ENSG00000232233.1	4
## ENSG00000231982.1	1
## ENSG00000289971.1	12
## ENSG00000181092.10	0
## ENSG00000226482.1	0
## ENSG00000223803.1	48
## ENSG00000233565.1	0
## ENSG00000073849.16	17639
## ENSG00000163923.10	1169
## ENSG00000198491.3	0
## ENSG00000175077.6	0
## ENSG00000127241.18	1817
## ENSG00000283175.1	8
## ENSG00000136514.3	0
## ENSG00000280270.1	0
## ENSG00000239093.1	1
## ENSG00000228952.1	22
## ENSG00000157005.4	1266
## ENSG00000198471.1	0
## ENSG00000228804.5	1
## ENSG00000113916.18	772
## ENSG00000285938.1	7
## ENSG00000290021.1	12
## ENSG00000289331.2	1
## ENSG00000224049.1	1
## ENSG00000236864.1	0
## ENSG00000224187.1	0
## ENSG00000225058.1	1
## ENSG00000236412.1	0
## ENSG00000234238.2	0
## ENSG00000270959.2	70
## ENSG00000145012.15	16477
## ENSG00000279891.1	0
## ENSG00000288794.1	0
## ENSG00000224563.1	0
## ENSG00000207651.1	0
## ENSG00000234076.2	0
## ENSG00000188001.10	21
## ENSG00000236182.1	0
## ENSG00000230115.1	0
## ENSG00000073282.14	16
## ENSG00000227971.1	0
## ENSG00000216058.1	0
## ENSG00000090530.10	5138
## ENSG00000230077.1	3

## ENSG00000225764.3	4
## ENSG00000212489.1	0
## ENSG00000238077.1	0
## ENSG00000163347.6	4315
## ENSG00000113946.4	22
## ENSG00000198398.3	4
## ENSG00000196083.11	1347
## ENSG00000231047.1	0
## ENSG00000223117.1	0
## ENSG00000228730.2	0
## ENSG00000232610.1	0
## ENSG00000214147.2	0
## ENSG00000205835.9	10
## ENSG00000188729.7	2
## ENSG00000233308.2	0
## ENSG00000188958.10	8
## ENSG00000152492.15	8031
## ENSG00000223812.8	3
## ENSG00000253548.1	0
## ENSG00000201860.1	0
## ENSG00000237653.2	0
## ENSG00000232353.5	0
## ENSG00000287178.1	0
## ENSG00000222583.1	0
## ENSG00000114279.15	379
## ENSG00000231383.2	0
## ENSG00000230126.1	19
## ENSG00000226709.1	10
## ENSG00000238902.1	0
## ENSG00000289165.2	3
## ENSG00000200184.1	0
## ENSG00000180611.7	2375
## ENSG00000232130.1	0
## ENSG00000236229.1	1
## ENSG00000127252.7	314
## ENSG00000187527.12	14
## ENSG00000236508.1	4
## ENSG00000127249.15	324
## ENSG00000225473.1	0
## ENSG00000236297.2	5
## ENSG00000293063.1	0
## ENSG00000198836.11	11936
## ENSG00000224855.5	3
## ENSG00000207370.1	3
## ENSG00000243991.3	0
## ENSG00000223986.1	0
## ENSG00000286624.1	0
## ENSG00000287206.1	8
## ENSG00000229155.2	2389
## ENSG00000214146.3	7
## ENSG00000238043.1	0
## ENSG00000224403.1	0
## ENSG00000230102.8	7
## ENSG00000276407.5	0

## ENSG00000229964.1	0
## ENSG00000232874.1	9
## ENSG00000289385.1	2
## ENSG00000114315.4	7954
## ENSG00000242201.3	0
## ENSG00000225742.6	55
## ENSG00000238097.3	0
## ENSG00000228271.2	0
## ENSG00000214145.8	40
## ENSG00000286317.1	0
## ENSG00000178772.7	12
## ENSG00000172061.9	23
## ENSG00000178732.6	2
## ENSG00000133657.17	24723
## ENSG00000271483.1	0
## ENSG00000233058.3	475
## ENSG00000244675.2	5
## ENSG00000252053.1	0
## ENSG00000232873.1	1
## ENSG00000231770.8	169
## ENSG00000288979.1	27
## ENSG00000145014.18	1073
## ENSG00000229334.2	19
## ENSG00000272707.1	14
## ENSG00000041802.11	5610
## ENSG00000185112.6	136
## ENSG00000233987.2	0
## ENSG00000287073.1	0
## ENSG00000237222.4	0
## ENSG00000234805.1	0
## ENSG00000230401.1	0
## ENSG00000238031.1	0
## ENSG00000173950.16	4029
## ENSG00000233303.1	1
## ENSG00000265333.1	0
## ENSG00000244314.3	0
## ENSG00000230266.2	0
## ENSG00000206600.1	0
## ENSG00000287005.1	3
## ENSG00000114331.16	2709
## ENSG00000229325.1	4
## ENSG00000227433.1	0
## ENSG00000207368.1	0
## ENSG00000184203.8	3555
## ENSG00000252620.1	0
## ENSG00000223711.2	10
## ENSG00000265882.2	0
## ENSG00000236844.1	1
## ENSG00000236425.1	0
## ENSG00000189058.9	8
## ENSG00000224769.1	5
## ENSG00000289929.1	16
## ENSG00000282206.1	6
## ENSG00000271662.1	25

## ENSG00000229178.1	7
## ENSG00000242086.8	237
## ENSG00000215837.7	0
## ENSG00000207650.1	10
## ENSG00000283426.1	0
## ENSG00000176945.18	71
## ENSG00000145113.22	399
## ENSG00000223783.1	2
## ENSG00000235836.1	0
## ENSG00000061938.21	1569
## ENSG00000276489.1	0
## ENSG00000286004.1	32
## ENSG00000224614.2	9
## ENSG00000289747.1	0
## ENSG00000290762.1	85
## ENSG00000239122.1	8
## ENSG00000231443.2	22
## ENSG00000260261.3	0
## ENSG00000290763.1	118
## ENSG00000185485.15	0
## ENSG00000286168.2	1
## ENSG00000231464.1	5
## ENSG00000072274.14	15475
## ENSG00000228413.1	2
## ENSG00000252174.1	0
## ENSG00000289219.1	0
## ENSG00000224652.4	0
## ENSG00000163958.14	3
## ENSG00000222335.1	0
## ENSG00000163959.10	118
## ENSG00000161217.12	5400
## ENSG00000272741.1	1
## ENSG00000228028.2	1
## ENSG00000213123.11	310
## ENSG00000237418.1	0
## ENSG00000273331.1	0
## ENSG00000235897.1	1
## ENSG00000145107.16	0
## ENSG00000212146.1	0
## ENSG00000163960.12	12217
## ENSG00000206644.1	0
## ENSG00000241868.3	2
## ENSG00000243339.3	16
## ENSG00000226345.1	0
## ENSG00000225822.4	1
## ENSG00000225240.1	0
## ENSG00000163961.4	3486
## ENSG00000273013.1	6
## ENSG00000214097.5	0
## ENSG00000213358.3	0
## ENSG00000225770.1	3
## ENSG00000185798.8	773
## ENSG00000174013.8	3300
## ENSG00000286661.1	0

## ENSG00000232065.2	7
## ENSG00000288990.2	0
## ENSG00000174004.6	63
## ENSG00000163964.18	2640
## ENSG00000290054.1	0
## ENSG00000174007.9	454
## ENSG00000201441.1	1
## ENSG00000180370.10	20783
## ENSG00000272359.1	3
## ENSG00000206892.1	2
## ENSG00000289446.1	0
## ENSG00000119231.11	4471
## ENSG00000230732.4	4
## ENSG00000114503.11	12719
## ENSG00000225578.1	19
## ENSG00000270170.2	1654
## ENSG00000119227.8	630
## ENSG00000286017.1	12
## ENSG00000163975.14	815
## ENSG00000233487.7	0
## ENSG00000228109.2	32
## ENSG00000075711.21	9183
## ENSG00000289396.1	10
## ENSG00000265850.1	0
## ENSG00000227375.6	11
## ENSG00000286870.1	2
## ENSG00000289828.1	0
## ENSG00000235126.1	0
## ENSG00000229912.1	0
## ENSG00000237167.1	0
## ENSG00000272989.1	19
## ENSG00000161267.12	1148
## ENSG00000291091.1	507
## ENSG00000213519.2	0
## ENSG00000214135.11	0
## ENSG00000249626.1	83
## ENSG00000273308.1	7
## ENSG00000286909.1	29
## ENSG00000236833.1	2
## ENSG00000287286.1	2
## ENSG00000145016.17	914
## ENSG00000284146.1	0
## ENSG00000122068.13	7017
## ENSG00000273375.1	4
## ENSG00000186001.14	4248
## ENSG00000234136.1	0
## ENSG00000234742.1	44
## ENSG00000114473.14	936
## ENSG00000199306.1	0
## ENSG00000182899.17	54599
## ENSG00000185621.11	781
## ENSG00000201622.1	1
## ENSG00000286755.1	0
## ENSG00000232832.1	2

## ENSG00000226435.13	0
## ENSG00000291192.1	0
## ENSG00000212297.1	0
## ENSG00000290936.1	0
## ENSG00000232783.6	0
## ENSG00000213113.3	0
## ENSG00000236246.2	0
## ENSG00000290937.1	90
## ENSG00000236438.8	0
## ENSG00000222792.1	0
## ENSG00000230304.1	0
## ENSG00000226008.1	0
## ENSG00000292991.1	0
## ENSG00000248302.4	0
## ENSG00000272602.6	1262
## ENSG00000289361.1	82
## ENSG00000250238.1	2
## ENSG00000250312.8	1129
## ENSG00000275426.1	2
## ENSG00000250892.1	10
## ENSG00000290382.1	162
## ENSG00000198155.6	4
## ENSG00000251188.1	106
## ENSG00000251689.1	81
## ENSG00000186777.13	640
## ENSG00000286705.2	17
## ENSG00000251535.1	0
## ENSG00000131127.14	1901
## ENSG00000248564.1	6
## ENSG00000250321.1	23
## ENSG00000207642.1	0
## ENSG00000281016.1	3
## ENSG00000249025.1	0
## ENSG00000272885.1	17
## ENSG00000293360.1	117
## ENSG00000251595.8	8
## ENSG00000182903.16	2460
## ENSG00000174227.16	3362
## ENSG00000273238.3	33
## ENSG00000283183.4	53
## ENSG00000133256.13	506
## ENSG00000242686.4	4
## ENSG00000272927.1	16
## ENSG00000169020.10	4045
## ENSG00000215375.7	312
## ENSG00000169026.13	77
## ENSG00000185619.19	4693
## ENSG00000248416.1	0
## ENSG00000272588.1	2
## ENSG00000249592.7	410
## ENSG00000233799.1	8
## ENSG00000168993.15	338
## ENSG00000289983.1	15
## ENSG00000260262.1	0

## ENSG00000286205.1	0
## ENSG00000178950.18	5694
## ENSG00000127419.17	582
## ENSG00000145214.14	1636
## ENSG00000145217.14	123
## ENSG00000127415.13	312
## ENSG00000127418.15	13462
## ENSG00000250259.1	0
## ENSG00000178222.14	135
## ENSG00000251639.2	2
## ENSG00000251652.1	2
## ENSG00000293496.1	0
## ENSG00000215367.12	0
## ENSG00000212458.1	1
## ENSG00000227189.2	0
## ENSG00000159674.12	68
## ENSG00000273179.1	0
## ENSG00000280927.1	33
## ENSG00000159692.18	8472
## ENSG00000196810.6	1580
## ENSG00000090316.16	6927
## ENSG00000163945.19	2008
## ENSG00000254094.1	1
## ENSG00000253399.1	1
## ENSG00000235608.2	0
## ENSG00000272783.1	0
## ENSG00000244459.4	23
## ENSG00000174137.14	88
## ENSG00000207009.1	1
## ENSG00000163950.13	6769
## ENSG00000013810.21	10141
## ENSG00000168936.12	3959
## ENSG00000068078.20	4802
## ENSG00000168924.15	9201
## ENSG00000109685.19	20394
## ENSG00000249784.1	0
## ENSG00000185049.16	3584
## ENSG00000284587.1	0
## ENSG00000243449.8	517
## ENSG00000185818.8	5810
## ENSG00000130997.16	10
## ENSG00000290263.1	0
## ENSG00000249006.1	0
## ENSG00000250623.1	0
## ENSG00000214367.10	307
## ENSG00000249047.2	0
## ENSG00000123933.17	8006
## ENSG00000284276.1	0
## ENSG00000159733.14	71
## ENSG00000251148.1	0
## ENSG00000239247.3	0
## ENSG00000249077.1	0
## ENSG00000206113.12	11
## ENSG00000063978.17	7129

## ENSG00000248399.1	3
## ENSG00000251229.1	2
## ENSG00000290180.1	0
## ENSG00000125386.16	3503
## ENSG00000248155.1	1
## ENSG00000206738.1	0
## ENSG00000168884.15	2007
## ENSG00000087266.17	3121
## ENSG00000087274.19	21045
## ENSG00000287099.1	0
## ENSG00000109736.15	4274
## ENSG00000249673.9	1026
## ENSG00000087269.16	9354
## ENSG00000125388.20	391
## ENSG00000197386.14	17051
## ENSG00000199335.1	0
## ENSG00000251075.2	1
## ENSG00000278778.1	0
## ENSG00000274693.1	0
## ENSG00000188981.11	16
## ENSG00000159788.20	3170
## ENSG00000248840.3	3
## ENSG00000293213.1	3
## ENSG00000248843.1	0
## ENSG00000109758.9	23
## ENSG00000286900.1	6
## ENSG00000175920.18	12
## ENSG00000163956.13	15233
## ENSG00000270090.5	0
## ENSG00000216560.4	0
## ENSG00000250681.1	0
## ENSG00000250632.1	0
## ENSG00000250986.1	60
## ENSG00000184160.8	453
## ENSG00000251166.1	0
## ENSG00000234386.4	1
## ENSG00000249522.1	0
## ENSG00000253917.4	0
## ENSG00000271977.1	0
## ENSG00000251271.3	22
## ENSG00000290374.1	411
## ENSG00000251669.7	0
## ENSG00000250476.1	0
## ENSG00000288589.1	0
## ENSG00000290888.1	8
## ENSG00000243894.1	0
## ENSG00000250940.1	1
## ENSG00000284727.2	0
## ENSG00000248669.1	0
## ENSG00000198787.5	0
## ENSG00000250381.1	3
## ENSG00000250710.3	3
## ENSG00000249844.1	0
## ENSG00000163982.6	2

## ENSG00000132406.12	1394
## ENSG00000289032.1	8
## ENSG00000145220.14	3678
## ENSG00000168826.16	253
## ENSG00000248516.1	0
## ENSG00000168824.15	4151
## ENSG00000168818.10	2871
## ENSG00000248221.1	0
## ENSG00000237170.3	0
## ENSG00000247708.8	365
## ENSG00000280310.1	24
## ENSG00000273396.3	4
## ENSG00000163132.8	16
## ENSG00000251587.1	4
## ENSG00000200761.1	0
## ENSG00000170891.11	26
## ENSG00000152953.13	70
## ENSG00000252266.1	0
## ENSG00000201496.1	0
## ENSG00000082929.8	2
## ENSG00000173040.13	616
## ENSG00000072840.13	2336
## ENSG00000072832.15	12599
## ENSG00000289414.2	6
## ENSG00000181215.17	14
## ENSG00000263631.1	0
## ENSG00000152969.21	4
## ENSG00000284684.1	0
## ENSG00000287786.1	0
## ENSG00000290803.1	54
## ENSG00000251408.1	0
## ENSG00000249896.3	0
## ENSG00000288588.1	1
## ENSG00000109501.15	5776
## ENSG00000286176.2	7
## ENSG00000074211.14	470
## ENSG00000013288.9	3915
## ENSG00000179010.16	35248
## ENSG00000251580.3	119
## ENSG00000284847.1	0
## ENSG00000170846.17	1669
## ENSG00000246526.3	10
## ENSG00000279859.2	1
## ENSG00000163993.7	325
## ENSG00000282742.1	0
## ENSG00000178988.11	6842
## ENSG00000186222.5	1673
## ENSG00000287331.1	0
## ENSG00000170871.12	10575
## ENSG00000132405.19	4942
## ENSG00000287104.2	92
## ENSG00000187904.3	0
## ENSG00000202392.1	1
## ENSG00000245748.1	11

## ENSG00000173013.6	258
## ENSG00000173011.12	2776
## ENSG00000109519.14	6448
## ENSG00000245468.5	8
## ENSG00000200867.1	0
## ENSG00000184985.17	454
## ENSG00000264658.1	0
## ENSG00000178597.7	866
## ENSG00000266690.1	0
## ENSG00000272620.2	15
## ENSG00000196526.11	1659
## ENSG00000287164.1	0
## ENSG00000228919.5	2
## ENSG00000163995.22	158
## ENSG00000207807.1	0
## ENSG00000273267.1	0
## ENSG00000251460.1	2
## ENSG00000290015.1	12
## ENSG00000250471.2	9
## ENSG00000125089.18	817
## ENSG00000170801.10	473
## ENSG00000249145.5	2
## ENSG00000251615.3	73
## ENSG00000087008.16	850
## ENSG00000202054.1	0
## ENSG00000155275.19	1122
## ENSG00000251186.1	0
## ENSG00000205959.4	50
## ENSG00000155269.12	8
## ENSG00000109625.19	5
## ENSG00000250915.3	0
## ENSG00000215612.8	84
## ENSG00000258507.1	0
## ENSG00000197468.5	0
## ENSG00000249272.1	0
## ENSG00000250804.1	0
## ENSG00000249347.1	0
## ENSG00000284636.1	8
## ENSG00000271057.1	7
## ENSG00000251313.1	0
## ENSG00000288075.1	511
## ENSG00000250342.1	0
## ENSG00000287972.1	19
## ENSG00000249767.1	2
## ENSG00000163612.10	3
## ENSG00000250268.3	0
## ENSG00000229924.3	0
## ENSG00000231396.3	0
## ENSG00000233136.3	0
## ENSG00000227551.1	0
## ENSG00000232399.4	0
## ENSG00000249482.1	0
## ENSG00000223569.8	0
## ENSG00000250231.1	0

## ENSG00000249104.3	0
## ENSG00000250844.3	0
## ENSG00000248920.3	0
## ENSG00000250745.3	0
## ENSG00000249811.3	0
## ENSG00000248933.3	0
## ENSG00000250913.2	0
## ENSG00000232264.5	0
## ENSG00000230430.5	0
## ENSG00000229579.5	0
## ENSG00000227140.3	0
## ENSG00000235780.3	0
## ENSG00000231051.3	0
## ENSG00000231637.3	0
## ENSG00000251694.1	0
## ENSG00000228856.3	0
## ENSG00000205946.1	0
## ENSG00000219492.4	0
## ENSG00000188438.4	0
## ENSG00000252307.1	0
## ENSG00000232773.2	0
## ENSG00000186146.2	0
## ENSG00000248364.1	0
## ENSG00000284689.1	0
## ENSG00000250884.1	0
## ENSG00000251624.1	0
## ENSG00000249866.1	0
## ENSG00000249443.1	0
## ENSG00000284648.1	27
## ENSG00000242034.1	1
## ENSG00000221275.1	0
## ENSG00000244004.1	0
## ENSG00000287117.1	10
## ENSG00000249799.1	0
## ENSG00000250942.1	8
## ENSG00000186234.7	2
## ENSG00000251087.3	2
## ENSG00000203436.2	0
## ENSG00000249563.1	0
## ENSG00000250425.1	0
## ENSG00000109667.12	79
## ENSG00000169676.6	3
## ENSG00000252002.1	0
## ENSG00000249219.1	0
## ENSG00000250413.1	0
## ENSG00000071127.18	40774
## ENSG00000264931.1	1
## ENSG00000223086.1	0
## ENSG00000289865.1	2
## ENSG00000250393.1	0
## ENSG00000251296.1	0
## ENSG00000248777.1	0
## ENSG00000271544.1	0
## ENSG00000250040.2	0

## ENSG00000250573.1	0
## ENSG00000250074.1	0
## ENSG00000250505.1	0
## ENSG00000251278.1	0
## ENSG00000251338.1	0
## ENSG00000250613.1	0
## ENSG00000178163.8	5818
## ENSG00000287154.1	0
## ENSG00000248419.2	0
## ENSG00000109684.16	0
## ENSG00000249334.1	8
## ENSG00000283083.2	0
## ENSG00000207716.1	0
## ENSG00000250896.1	26
## ENSG00000002587.10	323
## ENSG00000222182.1	0
## ENSG00000287778.2	6
## ENSG00000251152.1	0
## ENSG00000249631.7	0
## ENSG00000248300.1	0
## ENSG00000248262.1	0
## ENSG00000251210.6	0
## ENSG00000212282.1	0
## ENSG00000249995.1	0
## ENSG00000249780.1	0
## ENSG00000250371.1	1
## ENSG00000250098.1	0
## ENSG00000283271.1	0
## ENSG00000292984.1	0
## ENSG00000205940.9	6
## ENSG00000157869.16	1780
## ENSG00000286297.1	0
## ENSG00000281202.2	0
## ENSG00000109705.8	3
## ENSG00000246095.2	0
## ENSG00000038219.13	5795
## ENSG00000266240.1	0
## ENSG00000249148.2	0
## ENSG00000242209.1	0
## ENSG00000250634.6	10
## ENSG00000288951.2	0
## ENSG00000250497.1	1
## ENSG00000224569.3	0
## ENSG00000293010.1	0
## ENSG00000248698.7	0
## ENSG00000251679.1	0
## ENSG00000249988.1	0
## ENSG00000287360.1	0
## ENSG00000251412.1	0
## ENSG00000248425.1	0
## ENSG00000248360.7	9
## ENSG00000251252.1	0
## ENSG00000202449.1	0
## ENSG00000247624.6	2

## ENSG00000137449.17	587
## ENSG00000249252.5	4
## ENSG00000199420.1	0
## ENSG00000163145.13	0
## ENSG00000251379.1	0
## ENSG00000048342.18	1518
## ENSG00000249930.1	0
## ENSG00000273133.1	8
## ENSG00000118564.15	5706
## ENSG00000237765.8	1196
## ENSG00000288606.1	0
## ENSG00000109743.11	105
## ENSG00000214846.4	11
## ENSG00000248188.2	0
## ENSG00000004468.13	2
## ENSG00000251644.1	0
## ENSG00000137440.5	8
## ENSG00000137441.8	5
## ENSG00000007062.12	50980
## ENSG00000286280.1	0
## ENSG00000169762.17	1849
## ENSG00000249234.1	1
## ENSG00000263327.6	107
## ENSG00000242358.1	0
## ENSG00000248851.1	0
## ENSG00000286888.1	0
## ENSG00000249506.4	0
## ENSG00000293014.1	0
## ENSG00000248138.5	0
## ENSG00000169744.13	148
## ENSG00000287081.1	0
## ENSG00000249998.1	0
## ENSG00000251212.1	0
## ENSG00000250819.2	0
## ENSG00000206780.1	0
## ENSG00000215278.4	0
## ENSG00000151552.13	7411
## ENSG00000249581.2	0
## ENSG00000249488.1	0
## ENSG00000283219.1	0
## ENSG00000002549.13	5826
## ENSG00000249502.3	7
## ENSG00000118579.13	13969
## ENSG00000047662.5	45
## ENSG00000163257.11	4316
## ENSG00000109805.10	6981
## ENSG00000178177.17	2889
## ENSG00000235413.3	13
## ENSG00000286046.1	2
## ENSG00000251048.1	0
## ENSG00000279918.1	0
## ENSG00000248238.2	0
## ENSG00000251816.1	0
## ENSG00000279379.1	0

## ENSG00000248515.2	0
## ENSG00000249441.1	0
## ENSG00000241612.1	5
## ENSG00000250611.1	0
## ENSG00000145147.20	3010
## ENSG00000248228.2	1
## ENSG00000207732.1	0
## ENSG00000163138.19	1366
## ENSG00000185774.17	44
## ENSG00000272995.1	0
## ENSG00000250243.3	0
## ENSG00000283281.1	0
## ENSG00000286318.1	6
## ENSG00000250092.2	0
## ENSG00000242768.2	0
## ENSG00000248343.1	0
## ENSG00000280650.1	0
## ENSG00000250039.4	1
## ENSG00000239001.1	0
## ENSG00000289849.1	0
## ENSG00000152990.14	13916
## ENSG00000244538.1	25
## ENSG00000251516.1	0
## ENSG00000249948.7	242
## ENSG00000237350.1	195
## ENSG00000248837.7	3
## ENSG00000249547.1	0
## ENSG00000251220.2	0
## ENSG00000250137.1	0
## ENSG00000251292.1	1
## ENSG00000109819.9	159
## ENSG00000249453.1	0
## ENSG00000289902.1	0
## ENSG00000289201.1	11
## ENSG00000109606.13	26930
## ENSG00000207697.1	25
## ENSG00000243005.3	0
## ENSG00000249256.2	1
## ENSG00000261121.2	5
## ENSG00000251638.1	0
## ENSG00000248444.1	0
## ENSG00000109610.6	309
## ENSG00000181982.20	1179
## ENSG00000153012.12	2148
## ENSG00000109618.13	840
## ENSG00000281501.1	73
## ENSG00000038210.14	2697
## ENSG00000271172.1	0
## ENSG00000278135.1	0
## ENSG00000168228.16	949
## ENSG00000053900.11	2168
## ENSG00000249320.1	0
## ENSG00000248608.2	4
## ENSG00000248545.3	0

## ENSG00000238632.1	0
## ENSG00000228154.3	0
## ENSG00000157765.13	2063
## ENSG00000242640.1	4
## ENSG00000249277.1	0
## ENSG00000250050.1	6
## ENSG00000248133.1	0
## ENSG00000251353.1	0
## ENSG00000248654.1	0
## ENSG00000091490.11	16642
## ENSG00000250541.1	4
## ENSG00000250317.9	2039
## ENSG00000251009.2	0
## ENSG00000283314.1	0
## ENSG00000248452.2	0
## ENSG00000168214.22	11717
## ENSG00000163394.6	7
## ENSG00000109680.11	774
## ENSG00000200999.1	0
## ENSG00000109689.20	1462
## ENSG00000240005.7	5
## ENSG00000248340.2	0
## ENSG00000251080.1	0
## ENSG00000205830.1	0
## ENSG00000249699.1	0
## ENSG00000222206.1	0
## ENSG00000251325.1	0
## ENSG00000250858.1	0
## ENSG00000287389.2	0
## ENSG00000251410.2	3
## ENSG00000286321.1	15
## ENSG00000250038.7	0
## ENSG00000250064.1	4
## ENSG00000286141.1	1
## ENSG00000243548.3	0
## ENSG00000283275.1	0
## ENSG00000250927.1	3
## ENSG00000250190.2	1
## ENSG00000276507.1	0
## ENSG00000249228.1	0
## ENSG00000248176.2	0
## ENSG00000248338.2	0
## ENSG00000251373.1	0
## ENSG00000251113.2	0
## ENSG00000283666.1	0
## ENSG00000249542.2	0
## ENSG00000249564.1	0
## ENSG00000244031.3	0
## ENSG00000248281.1	0
## ENSG00000288940.1	33
## ENSG00000286596.1	71
## ENSG00000169851.16	18568
## ENSG00000249678.1	4
## ENSG00000250624.1	0

## ENSG00000251182.2	0
## ENSG00000251434.1	17
## ENSG00000249882.2	0
## ENSG00000251129.3	2293
## ENSG00000286212.2	3
## ENSG00000251329.1	0
## ENSG00000286784.1	0
## ENSG00000250076.1	3
## ENSG00000287968.1	0
## ENSG00000249452.2	0
## ENSG00000249766.1	0
## ENSG00000248417.1	0
## ENSG00000288321.1	0
## ENSG00000250954.6	0
## ENSG00000250723.7	0
## ENSG00000239983.1	2
## ENSG00000248685.6	0
## ENSG00000287320.1	0
## ENSG00000250597.5	0
## ENSG00000275250.1	0
## ENSG00000238694.1	0
## ENSG00000250416.2	0
## ENSG00000206665.1	0
## ENSG00000047365.13	1006
## ENSG00000248466.1	0
## ENSG00000247193.4	0
## ENSG00000197057.10	8
## ENSG00000251438.1	0
## ENSG00000283207.1	0
## ENSG00000248215.6	0
## ENSG00000251588.2	0
## ENSG00000287416.1	1
## ENSG00000261761.5	2
## ENSG00000247810.8	0
## ENSG00000264319.1	0
## ENSG00000174145.8	98
## ENSG00000154274.15	2483
## ENSG00000288073.1	6
## ENSG00000248936.1	4
## ENSG00000181826.10	3412
## ENSG00000207075.1	0
## ENSG00000239532.1	1
## ENSG00000169299.14	4926
## ENSG00000279386.1	32
## ENSG00000249863.2	109
## ENSG00000065882.18	7498
## ENSG00000250254.2	0
## ENSG00000251332.1	2
## ENSG00000249649.1	0
## ENSG00000287659.1	0
## ENSG00000251642.1	0
## ENSG00000248227.1	0
## ENSG00000280015.1	0
## ENSG00000249534.2	0

## ENSG00000249667.2	0
## ENSG00000251635.2	0
## ENSG00000231160.12	188
## ENSG00000271958.1	0
## ENSG00000109787.13	11399
## ENSG00000222230.1	0
## ENSG00000174123.11	3
## ENSG00000174125.8	26
## ENSG00000174130.13	29
## ENSG00000197712.12	3249
## ENSG00000207944.1	0
## ENSG00000121895.8	76
## ENSG00000109790.18	22441
## ENSG00000249207.2	79
## ENSG00000249685.1	32
## ENSG00000157796.18	1722
## ENSG00000035928.17	9749
## ENSG00000206675.1	0
## ENSG00000222592.1	0
## ENSG00000134962.7	176
## ENSG00000264621.1	0
## ENSG00000238797.1	0
## ENSG00000163682.17	144288
## ENSG00000121897.15	1253
## ENSG00000293167.1	7
## ENSG00000224097.6	0
## ENSG00000109814.12	20691
## ENSG00000249348.2	293
## ENSG00000287262.1	60
## ENSG00000163683.12	8542
## ENSG00000286349.1	4
## ENSG00000252796.1	0
## ENSG00000255458.9	20
## ENSG00000078140.14	19346
## ENSG00000252975.1	0
## ENSG00000249019.2	0
## ENSG00000243260.3	0
## ENSG00000180610.10	5
## ENSG00000121892.15	16958
## ENSG00000271278.1	0
## ENSG00000252970.1	0
## ENSG00000250568.1	24
## ENSG00000231707.4	16
## ENSG00000249064.1	1
## ENSG00000293349.1	1
## ENSG00000205794.5	0
## ENSG00000078177.15	6061
## ENSG00000200455.1	0
## ENSG00000201863.1	0
## ENSG00000248977.1	0
## ENSG00000260296.1	97
## ENSG00000286089.1	2
## ENSG00000168421.14	306
## ENSG00000250338.1	0

## ENSG00000249241.2	6
## ENSG00000174343.6	6
## ENSG00000239010.1	0
## ENSG00000163694.15	13207
## ENSG00000250893.1	3
## ENSG00000242197.2	0
## ENSG00000263642.1	1
## ENSG00000287182.1	1
## ENSG00000179299.17	853
## ENSG00000248780.1	12
## ENSG00000163697.18	8536
## ENSG00000250906.1	6
## ENSG00000207195.1	0
## ENSG00000201736.1	0
## ENSG00000199790.1	0
## ENSG00000207198.1	0
## ENSG00000289761.1	0
## ENSG00000251173.1	0
## ENSG00000154277.13	18922
## ENSG00000207481.1	0
## ENSG00000064042.18	1343
## ENSG00000239627.3	0
## ENSG00000287762.1	1
## ENSG00000249216.1	0
## ENSG00000249081.1	0
## ENSG00000109132.7	34
## ENSG00000250467.1	4
## ENSG00000249122.1	3
## ENSG00000200338.1	0
## ENSG00000249745.1	0
## ENSG00000245870.5	10
## ENSG00000249771.2	2
## ENSG00000249887.1	0
## ENSG00000109133.14	9945
## ENSG00000182308.7	17
## ENSG00000272862.1	2
## ENSG00000014824.14	13189
## ENSG00000249212.1	9
## ENSG00000188848.17	57
## ENSG00000285454.1	1
## ENSG00000250781.2	0
## ENSG00000289643.2	0
## ENSG00000178343.5	78
## ENSG00000124406.17	1178
## ENSG00000240167.1	1
## ENSG00000248283.2	3
## ENSG00000260519.2	2
## ENSG00000251517.1	0
## ENSG00000252595.1	0
## ENSG00000215203.3	0
## ENSG00000248939.1	2
## ENSG00000250657.1	0
## ENSG00000277096.1	0
## ENSG00000213851.3	1

## ENSG00000248143.1	0
## ENSG00000251501.1	0
## ENSG00000239464.3	0
## ENSG00000286891.1	10
## ENSG00000239679.3	0
## ENSG00000124399.4	6
## ENSG00000250863.2	3
## ENSG00000251350.2	0
## ENSG00000183783.7	461
## ENSG00000251159.1	0
## ENSG00000177752.15	7
## ENSG00000151806.14	5470
## ENSG00000163281.12	1073
## ENSG00000273369.1	14
## ENSG00000272936.1	0
## ENSG00000249729.2	0
## ENSG00000248987.2	0
## ENSG00000275959.1	0
## ENSG00000248744.1	0
## ENSG00000248320.1	0
## ENSG00000224560.3	0
## ENSG00000200720.1	0
## ENSG00000222257.1	0
## ENSG00000163285.8	3
## ENSG00000260878.1	0
## ENSG00000151834.16	4387
## ENSG00000249330.3	4
## ENSG00000252243.1	0
## ENSG00000249936.3	99
## ENSG00000170516.17	1
## ENSG00000109158.11	64
## ENSG00000163288.14	177
## ENSG00000260918.1	113
## ENSG00000169019.11	1395
## ENSG00000282904.2	2
## ENSG00000286294.2	0
## ENSG00000145246.14	1799
## ENSG00000242431.2	0
## ENSG00000248254.1	1
## ENSG00000145244.12	182
## ENSG00000277388.1	0
## ENSG00000242262.1	52
## ENSG00000282917.4	1
## ENSG00000259959.1	640
## ENSG00000170448.12	4269
## ENSG00000163293.12	13616
## ENSG00000198515.16	883
## ENSG00000074966.11	395
## ENSG00000200269.1	0
## ENSG00000283499.1	0
## ENSG00000135605.13	269
## ENSG00000202014.1	0
## ENSG00000109171.15	6406
## ENSG00000145248.7	338

## ENSG00000182223.7	0
## ENSG00000075539.15	4992
## ENSG00000251722.1	0
## ENSG00000109180.15	11667
## ENSG00000248256.1	12
## ENSG00000145247.12	5795
## ENSG00000252913.1	0
## ENSG00000251334.2	0
## ENSG00000109182.12	1
## ENSG00000225455.3	0
## ENSG00000249828.2	0
## ENSG00000249079.1	0
## ENSG00000280043.1	0
## ENSG00000250016.2	0
## ENSG00000237961.4	0
## ENSG00000268736.1	0
## ENSG00000248946.2	0
## ENSG00000248583.1	0
## ENSG00000251056.1	0
## ENSG00000250769.2	0
## ENSG00000248532.2	0
## ENSG00000269848.1	0
## ENSG00000268967.1	0
## ENSG00000268391.1	0
## ENSG00000232471.3	0
## ENSG00000251630.1	0
## ENSG00000251539.1	0
## ENSG00000250753.2	0
## ENSG00000249337.2	0
## ENSG00000109184.15	4705
## ENSG00000250473.1	0
## ENSG00000272576.1	3
## ENSG00000243929.1	0
## ENSG00000188993.4	37
## ENSG00000163069.13	4081
## ENSG00000251040.1	0
## ENSG00000163071.11	1462
## ENSG00000287999.1	0
## ENSG00000251286.2	1
## ENSG00000199924.1	0
## ENSG00000109189.13	6056
## ENSG00000248866.1	195
## ENSG00000260120.2	0
## ENSG00000226950.8	6839
## ENSG00000250302.3	32
## ENSG00000264585.1	0
## ENSG00000286161.1	0
## ENSG00000212588.1	0
## ENSG00000248375.1	0
## ENSG00000226887.8	1130
## ENSG00000212490.1	0
## ENSG00000199901.1	0
## ENSG00000128045.7	57
## ENSG00000184178.17	1397

## ENSG00000248115.1	1
## ENSG00000207385.1	0
## ENSG00000145216.17	3336
## ENSG00000282278.1	0
## ENSG00000072201.14	569
## ENSG00000250930.5	0
## ENSG00000173966.7	1
## ENSG00000248494.1	1
## ENSG00000249341.1	0
## ENSG00000249706.1	1
## ENSG00000250815.1	1
## ENSG00000229585.4	1
## ENSG00000272650.1	5
## ENSG00000109220.11	676
## ENSG00000269506.2	0
## ENSG00000287534.1	0
## ENSG00000251105.1	0
## ENSG00000250147.1	1
## ENSG00000180613.11	0
## ENSG00000242670.1	3
## ENSG00000134853.12	1424
## ENSG00000248184.1	0
## ENSG00000248518.1	0
## ENSG00000251264.1	0
## ENSG00000250456.1	4
## ENSG00000157404.17	3598
## ENSG00000249727.2	0
## ENSG00000251256.1	0
## ENSG00000248317.2	0
## ENSG00000244422.3	0
## ENSG00000252815.1	0
## ENSG00000250646.1	0
## ENSG00000244034.3	0
## ENSG00000128052.10	236
## ENSG00000287060.1	0
## ENSG00000239545.3	0
## ENSG00000250812.2	0
## ENSG00000206839.1	0
## ENSG00000250464.1	0
## ENSG00000128039.13	346
## ENSG00000288695.1	13
## ENSG00000251111.2	0
## ENSG00000249700.9	7
## ENSG00000273257.2	0
## ENSG00000134851.13	4941
## ENSG00000239040.1	3
## ENSG00000134852.15	3091
## ENSG00000238585.1	0
## ENSG00000223305.1	0
## ENSG00000272969.1	3
## ENSG00000163440.12	0
## ENSG00000109255.11	75
## ENSG00000251923.1	0
## ENSG00000250821.3	0

## ENSG00000090989.18	3321
## ENSG00000202358.1	2
## ENSG00000286599.1	13
## ENSG00000287382.1	0
## ENSG00000174799.12	1049
## ENSG00000109265.15	6516
## ENSG00000200741.1	0
## ENSG00000252489.1	0
## ENSG00000286093.1	2
## ENSG00000250324.2	0
## ENSG00000157426.14	1631
## ENSG00000242083.2	32
## ENSG00000269921.1	8
## ENSG00000128059.8	6096
## ENSG00000270147.1	1
## ENSG00000283156.2	0
## ENSG00000290817.1	0
## ENSG00000128050.9	47525
## ENSG00000289393.1	38
## ENSG00000174780.17	23834
## ENSG00000196503.5	73
## ENSG00000249693.3	42
## ENSG00000248590.2	29
## ENSG00000171476.23	80
## ENSG00000280285.1	0
## ENSG00000288944.1	0
## ENSG00000241250.1	1
## ENSG00000227040.4	1
## ENSG00000240545.3	0
## ENSG00000265894.2	0
## ENSG00000128040.13	0
## ENSG00000278226.1	0
## ENSG00000251799.1	0
## ENSG00000084093.19	7877
## ENSG00000269949.1	21
## ENSG00000084092.7	4003
## ENSG00000047315.17	22332
## ENSG00000251703.1	0
## ENSG00000163453.11	3168
## ENSG00000250384.1	1
## ENSG00000245067.8	1
## ENSG00000287369.1	3
## ENSG00000250192.1	2
## ENSG00000243920.2	0
## ENSG00000248505.2	0
## ENSG00000251459.2	4
## ENSG00000251049.2	0
## ENSG00000250333.2	0
## ENSG00000249831.2	0
## ENSG00000285998.1	1
## ENSG00000248660.1	0
## ENSG00000249105.2	0
## ENSG00000250340.1	0
## ENSG00000250078.2	0

## ENSG00000251339.6	0
## ENSG00000249382.3	0
## ENSG00000251266.2	0
## ENSG00000250375.2	0
## ENSG00000286097.1	0
## ENSG00000249111.1	0
## ENSG00000199780.1	0
## ENSG00000249392.1	0
## ENSG00000249892.1	0
## ENSG00000201676.1	0
## ENSG00000201775.1	0
## ENSG00000287174.1	0
## ENSG00000283043.1	0
## ENSG00000249066.2	0
## ENSG00000248237.2	0
## ENSG00000265829.1	0
## ENSG00000240152.2	0
## ENSG00000150471.17	10134
## ENSG00000241261.1	1
## ENSG00000205682.2	0
## ENSG00000289308.2	18
## ENSG00000226439.3	6
## ENSG00000202169.1	0
## ENSG00000248692.5	0
## ENSG00000225405.3	8
## ENSG00000288659.3	0
## ENSG00000241344.1	0
## ENSG00000250249.2	0
## ENSG00000288567.1	0
## ENSG00000248847.2	0
## ENSG00000248336.1	0
## ENSG00000180673.9	9
## ENSG00000251055.2	0
## ENSG00000231442.3	0
## ENSG00000250775.2	0
## ENSG00000205678.8	0
## ENSG00000252104.1	0
## ENSG00000250768.1	0
## ENSG00000251430.1	0
## ENSG00000251385.2	0
## ENSG00000249893.1	0
## ENSG00000250169.1	0
## ENSG00000248259.1	0
## ENSG00000249045.1	0
## ENSG00000248328.1	0
## ENSG00000244669.1	0
## ENSG00000286664.1	0
## ENSG00000250125.5	0
## ENSG00000248447.2	0
## ENSG00000248998.2	0
## ENSG00000249351.2	0
## ENSG00000285711.1	0
## ENSG00000145242.14	60
## ENSG00000243199.1	316

## ENSG00000250846.6	4
## ENSG00000248479.1	1
## ENSG00000222765.1	0
## ENSG00000251527.1	0
## ENSG00000249413.2	6
## ENSG00000272304.1	0
## ENSG00000236562.4	1
## ENSG00000287383.1	0
## ENSG00000221563.1	0
## ENSG00000244099.1	0
## ENSG00000252890.1	0
## ENSG00000250075.7	2
## ENSG00000206629.1	0
## ENSG00000274759.1	2
## ENSG00000250030.2	3
## ENSG00000145241.11	1613
## ENSG00000035720.8	0
## ENSG00000279464.1	13
## ENSG00000033178.13	7563
## ENSG00000270257.1	1
## ENSG00000248049.8	889
## ENSG00000250656.2	2
## ENSG00000270228.1	1
## ENSG00000270292.1	1
## ENSG00000109163.7	19
## ENSG00000202374.1	0
## ENSG00000232398.1	0
## ENSG00000153802.12	0
## ENSG00000187054.16	16
## ENSG00000229009.8	0
## ENSG00000290400.1	0
## ENSG00000207428.1	0
## ENSG00000227725.3	1
## ENSG00000283131.1	0
## ENSG00000198092.6	0
## ENSG00000293343.1	0
## ENSG00000215127.7	0
## ENSG00000293344.1	0
## ENSG00000250426.3	0
## ENSG00000250026.6	0
## ENSG00000290407.1	0
## ENSG00000291282.1	0
## ENSG00000185873.8	0
## ENSG00000250642.3	1
## ENSG00000248639.2	0
## ENSG00000249531.2	6
## ENSG00000248122.1	4
## ENSG00000083896.13	12067
## ENSG00000162840.4	0
## ENSG00000289942.1	0
## ENSG00000087128.10	11
## ENSG00000250566.1	0
## ENSG00000197888.3	16
## ENSG00000249472.1	0

## ENSG00000251101.1	0
## ENSG00000251074.1	0
## ENSG00000196620.10	99
## ENSG00000248635.1	2
## ENSG00000250376.1	65
## ENSG00000251236.1	0
## ENSG00000109181.12	18
## ENSG00000251424.1	0
## ENSG00000249235.1	0
## ENSG00000251529.1	6
## ENSG00000248547.2	9
## ENSG00000248613.1	17
## ENSG00000272626.1	127
## ENSG00000249985.1	0
## ENSG00000198277.6	26
## ENSG00000135220.11	82
## ENSG00000251498.1	0
## ENSG00000249735.1	0
## ENSG00000250277.2	0
## ENSG00000251685.3	2
## ENSG00000249890.1	0
## ENSG00000250919.1	2
## ENSG00000171234.14	461
## ENSG00000248763.2	0
## ENSG00000251284.2	0
## ENSG00000250100.2	0
## ENSG00000251427.1	0
## ENSG00000196472.4	0
## ENSG00000250696.5	1
## ENSG00000213759.10	1865
## ENSG00000268803.1	0
## ENSG00000249763.1	1
## ENSG00000135226.18	13
## ENSG00000251691.2	0
## ENSG00000250612.2	3
## ENSG00000268209.1	0
## ENSG00000215110.7	3
## ENSG00000248824.2	0
## ENSG00000249956.4	1
## ENSG00000250828.2	0
## ENSG00000249686.1	0
## ENSG00000156096.15	77
## ENSG00000248886.2	0
## ENSG00000251177.2	0
## ENSG00000271271.6	0
## ENSG00000173610.13	46
## ENSG00000173597.9	1889
## ENSG00000236959.1	2
## ENSG00000284695.1	19
## ENSG00000109193.12	2199
## ENSG00000251489.2	0
## ENSG00000126545.14	1
## ENSG00000135222.7	3
## ENSG00000126549.11	16

## ENSG00000205649.9	0
## ENSG00000126550.10	0
## ENSG00000293421.1	0
## ENSG00000234124.7	0
## ENSG00000187533.14	1
## ENSG00000109205.17	298
## ENSG00000181617.6	0
## ENSG00000171209.4	2
## ENSG00000145309.6	0
## ENSG00000109208.5	0
## ENSG00000171201.12	0
## ENSG00000171199.11	0
## ENSG00000171195.11	0
## ENSG00000187689.10	3
## ENSG00000178522.15	63
## ENSG00000132464.13	10
## ENSG00000286848.1	0
## ENSG00000132465.12	2
## ENSG00000132467.4	4924
## ENSG00000207448.1	0
## ENSG00000207058.1	0
## ENSG00000272986.1	12
## ENSG00000018189.13	5877
## ENSG00000132463.15	16794
## ENSG00000283313.1	0
## ENSG00000207007.1	0
## ENSG00000289019.1	102
## ENSG00000173542.9	5558
## ENSG00000156136.10	4144
## ENSG00000080493.19	24745
## ENSG00000249170.1	0
## ENSG00000270098.1	2
## ENSG00000145321.13	252
## ENSG00000222236.1	1
## ENSG00000248567.1	2
## ENSG00000056291.19	421
## ENSG00000156140.11	215
## ENSG00000250877.1	0
## ENSG00000270665.1	6
## ENSG00000252955.1	0
## ENSG00000210839.1	0
## ENSG00000163626.17	2416
## ENSG00000132466.20	19693
## ENSG00000248641.1	23
## ENSG00000250220.1	23
## ENSG00000221639.1	0
## ENSG00000249976.2	0
## ENSG00000163631.19	4781
## ENSG00000081051.8	133545
## ENSG00000079557.5	26
## ENSG00000250436.1	1
## ENSG00000249970.1	0
## ENSG00000169435.14	829
## ENSG00000289530.1	0

## ENSG00000228277.1	0
## ENSG00000169429.12	1119
## ENSG00000249051.2	0
## ENSG00000124875.10	738
## ENSG00000250550.3	0
## ENSG00000109272.4	32
## ENSG00000163739.5	425
## ENSG00000249920.2	6
## ENSG00000250339.2	0
## ENSG00000163737.5	3
## ENSG00000288796.1	0
## ENSG00000163736.4	0
## ENSG00000163735.7	3810
## ENSG00000287037.1	3
## ENSG00000244194.3	0
## ENSG00000163734.4	221
## ENSG00000290910.1	0
## ENSG00000248848.2	0
## ENSG00000288019.1	0
## ENSG00000251017.1	1
## ENSG00000081041.9	58
## ENSG00000289241.1	0
## ENSG00000163738.19	643
## ENSG00000269559.2	12
## ENSG00000182585.10	0
## ENSG00000124882.4	17
## ENSG00000250532.1	0
## ENSG00000109321.11	9849
## ENSG00000249942.1	4
## ENSG00000174808.12	19
## ENSG00000287375.1	0
## ENSG00000250356.1	0
## ENSG00000169116.11	11754
## ENSG00000249717.1	0
## ENSG00000248165.1	0
## ENSG00000260265.1	37
## ENSG00000293020.1	0
## ENSG00000250315.3	0
## ENSG00000250560.2	0
## ENSG00000251185.1	0
## ENSG00000251454.1	1
## ENSG00000251383.1	0
## ENSG00000248646.1	0
## ENSG00000250735.5	0
## ENSG00000163743.14	2409
## ENSG00000174796.12	679
## ENSG00000174792.11	1
## ENSG00000138769.11	178
## ENSG00000138757.15	34518
## ENSG00000201644.2	0
## ENSG00000138768.15	15537
## ENSG00000229717.3	0
## ENSG00000222644.1	0
## ENSG00000156194.19	0

## ENSG00000138744.16	268
## ENSG00000198301.12	6983
## ENSG00000245928.2	0
## ENSG00000138755.6	0
## ENSG00000156219.18	5
## ENSG00000169245.6	3
## ENSG00000169248.13	8
## ENSG00000225846.4	0
## ENSG00000138750.16	5371
## ENSG00000286074.1	0
## ENSG00000138760.11	40248
## ENSG00000189157.14	74
## ENSG00000287401.1	38
## ENSG00000272414.6	1
## ENSG00000289515.2	38
## ENSG00000118804.9	256
## ENSG00000163749.18	19
## ENSG00000249858.2	3
## ENSG00000212368.1	0
## ENSG00000240426.1	0
## ENSG00000199857.1	0
## ENSG00000138771.16	14995
## ENSG00000249278.1	0
## ENSG00000207307.1	0
## ENSG00000263445.1	0
## ENSG00000283682.1	0
## ENSG00000233860.2	32
## ENSG00000224218.1	0
## ENSG00000270244.1	2
## ENSG00000242727.2	0
## ENSG00000186212.4	487
## ENSG00000289586.2	253
## ENSG00000138758.12	32068
## ENSG00000234036.4	17
## ENSG00000118816.11	58511
## ENSG00000289443.1	73
## ENSG00000288888.1	10
## ENSG00000289496.2	5
## ENSG00000214062.5	0
## ENSG00000271676.1	0
## ENSG00000201641.1	0
## ENSG00000138764.15	6832
## ENSG00000270669.1	0
## ENSG00000250006.2	0
## ENSG00000248831.2	0
## ENSG00000249036.1	2
## ENSG00000156234.8	2
## ENSG00000221711.1	0
## ENSG00000138767.14	4079
## ENSG00000289379.2	0
## ENSG00000169288.18	2814
## ENSG00000250214.1	1
## ENSG00000248926.1	0
## ENSG00000248956.1	0

## ENSG00000248640.1	1
## ENSG00000248128.1	0
## ENSG00000249072.1	2
## ENSG00000138759.20	33415
## ENSG00000249565.2	89
## ENSG00000248117.1	0
## ENSG00000138772.13	25131
## ENSG00000200998.1	0
## ENSG00000251442.8	12
## ENSG00000251019.1	0
## ENSG00000287632.1	4
## ENSG00000239793.1	0
## ENSG00000260278.1	0
## ENSG00000138756.19	2392
## ENSG00000266270.1	0
## ENSG00000163291.14	3856
## ENSG00000242175.3	0
## ENSG00000249307.8	56
## ENSG00000156269.5	0
## ENSG00000196475.6	0
## ENSG00000250334.8	0
## ENSG00000290776.1	0
## ENSG00000249646.3	0
## ENSG00000251399.1	0
## ENSG00000248408.1	2
## ENSG00000251321.1	0
## ENSG00000212620.1	0
## ENSG00000163297.18	5901
## ENSG00000236530.2	2
## ENSG00000244002.1	1
## ENSG00000248719.2	31
## ENSG00000152784.16	68
## ENSG00000138675.17	19
## ENSG00000197826.13	3
## ENSG00000232327.4	0
## ENSG00000152785.8	31
## ENSG00000138669.10	254
## ENSG00000251059.6	0
## ENSG00000207065.1	1
## ENSG00000138670.19	1060
## ENSG00000248282.1	0
## ENSG00000248448.2	0
## ENSG00000252762.1	0
## ENSG00000248543.2	0
## ENSG00000250826.2	0
## ENSG00000202485.1	0
## ENSG00000234568.3	0
## ENSG00000293501.1	0
## ENSG00000284516.2	1
## ENSG00000273156.2	18
## ENSG00000289480.1	7
## ENSG00000138668.20	50094
## ENSG00000272677.3	15
## ENSG00000250325.1	1

## ENSG00000202440.1	0
## ENSG00000152795.18	24340
## ENSG00000145293.17	8734
## ENSG00000249242.8	1560
## ENSG00000214988.4	3
## ENSG00000293008.1	1
## ENSG00000227304.4	0
## ENSG00000289186.1	1
## ENSG00000249960.2	0
## ENSG00000248113.2	7
## ENSG00000231782.7	3
## ENSG00000286490.1	0
## ENSG00000145284.12	8114
## ENSG00000270480.1	10
## ENSG00000207746.1	0
## ENSG00000270842.1	0
## ENSG00000138674.17	26914
## ENSG00000251022.6	2862
## ENSG00000168152.13	881
## ENSG00000189308.11	1779
## ENSG00000199530.1	3
## ENSG00000251874.1	0
## ENSG00000138663.9	4661
## ENSG00000286035.1	8
## ENSG00000145287.11	1113
## ENSG00000250057.1	1
## ENSG00000250677.1	0
## ENSG00000248401.2	0
## ENSG00000173085.15	1515
## ENSG00000173083.16	1344
## ENSG00000274154.1	0
## ENSG00000251647.2	0
## ENSG00000163312.11	1099
## ENSG00000163319.11	1480
## ENSG00000163322.14	2846
## ENSG00000213608.5	0
## ENSG00000239525.1	0
## ENSG00000138678.11	455
## ENSG00000201633.1	0
## ENSG00000249171.1	0
## ENSG00000250546.6	4
## ENSG00000200108.1	0
## ENSG00000214980.4	2
## ENSG00000248749.1	13
## ENSG00000163623.10	10716
## ENSG00000258013.2	0
## ENSG00000163624.6	6784
## ENSG00000163625.17	6005
## ENSG00000239466.3	0
## ENSG00000251260.2	0
## ENSG00000252062.1	0
## ENSG00000180769.10	175
## ENSG00000286189.1	0
## ENSG00000201901.1	0

## ENSG00000248725.3	0
## ENSG00000138639.18	1214
## ENSG00000266421.3	0
## ENSG00000109339.24	644
## ENSG00000250062.5	0
## ENSG00000252757.1	0
## ENSG00000266515.1	0
## ENSG00000163629.13	18455
## ENSG00000145283.8	2
## ENSG00000243312.3	2
## ENSG00000163633.12	20
## ENSG00000250202.2	0
## ENSG00000285458.1	18
## ENSG00000251411.1	5
## ENSG00000284968.1	89
## ENSG00000172493.23	7333
## ENSG00000235043.3	71
## ENSG00000145332.14	4604
## ENSG00000248196.1	1
## ENSG00000248180.1	9
## ENSG00000250572.1	0
## ENSG00000263981.1	0
## ENSG00000170509.12	8
## ENSG00000255723.1	1
## ENSG00000198189.11	4189
## ENSG00000240966.3	0
## ENSG00000249262.2	0
## ENSG00000170502.13	3089
## ENSG00000272856.1	0
## ENSG00000152583.13	16
## ENSG00000249001.6	0
## ENSG00000152591.15	0
## ENSG00000152592.15	1
## ENSG00000200024.1	0
## ENSG00000249973.2	0
## ENSG0000029559.7	0
## ENSG00000152595.17	0
## ENSG00000183199.6	322
## ENSG00000286618.1	4
## ENSG00000118785.15	6225
## ENSG00000202000.1	0
## ENSG00000289034.1	6
## ENSG00000118762.8	5175
## ENSG00000118777.12	20809
## ENSG00000241853.1	0
## ENSG00000201707.1	0
## ENSG00000221440.1	0
## ENSG00000251285.2	0
## ENSG00000199326.1	0
## ENSG00000163644.15	787
## ENSG00000200469.1	0
## ENSG00000246375.5	4
## ENSG00000207480.1	0
## ENSG00000287181.1	0

## ENSG00000286978.1	0
## ENSG00000138642.16	598
## ENSG00000138646.9	200
## ENSG00000249934.2	0
## ENSG00000145337.5	0
## ENSG00000255072.2	0
## ENSG00000287542.1	0
## ENSG00000285122.1	2
## ENSG00000249755.2	0
## ENSG00000252322.1	0
## ENSG00000138641.18	17
## ENSG00000207524.1	8
## ENSG00000177432.8	188
## ENSG00000248019.3	20
## ENSG00000278151.1	0
## ENSG00000276003.1	0
## ENSG00000138640.15	2014
## ENSG00000180346.5	1924
## ENSG00000270720.1	10
## ENSG00000212226.1	0
## ENSG00000185477.5	2332
## ENSG00000251095.8	567
## ENSG00000288563.1	2
## ENSG00000145335.17	386
## ENSG00000274238.1	32
## ENSG00000277695.1	3
## ENSG00000276542.1	9
## ENSG00000247775.2	5
## ENSG00000138722.10	324
## ENSG00000287239.1	0
## ENSG00000184305.16	986
## ENSG00000252087.1	0
## ENSG00000251401.2	0
## ENSG00000187653.11	359
## ENSG00000248984.1	0
## ENSG00000249049.1	0
## ENSG00000279013.1	0
## ENSG00000249891.2	0
## ENSG00000249052.1	0
## ENSG00000248817.1	0
## ENSG00000287392.1	0
## ENSG00000280056.1	0
## ENSG00000249152.1	0
## ENSG00000248511.1	0
## ENSG00000152208.13	98
## ENSG00000251449.2	0
## ENSG00000249239.2	0
## ENSG00000248627.1	0
## ENSG00000248750.2	0
## ENSG00000250908.1	0
## ENSG00000252342.1	0
## ENSG00000172238.6	12
## ENSG00000246541.2	0
## ENSG00000250897.2	0

## ENSG00000163104.18	11114
## ENSG00000163106.11	0
## ENSG00000287552.1	1
## ENSG00000241103.1	0
## ENSG00000163110.15	15727
## ENSG00000249951.1	0
## ENSG00000249599.2	13
## ENSG00000138696.11	1339
## ENSG00000182168.16	13018
## ENSG00000271474.1	157
## ENSG00000242936.1	0
## ENSG00000163114.6	0
## ENSG00000200622.1	0
## ENSG00000201744.1	0
## ENSG00000250655.1	0
## ENSG00000248510.2	0
## ENSG00000201640.2	0
## ENSG00000287841.1	1
## ENSG00000236764.4	2
## ENSG00000253170.1	0
## ENSG00000163116.10	6
## ENSG00000254044.5	1
## ENSG00000251620.3	0
## ENSG00000250293.1	0
## ENSG00000242697.2	15
## ENSG00000214904.5	0
## ENSG00000214559.3	0
## ENSG00000289532.2	27
## ENSG00000138698.15	5452
## ENSG00000242318.1	1
## ENSG00000168785.8	2916
## ENSG00000251523.1	0
## ENSG00000260641.2	61
## ENSG00000249764.1	0
## ENSG00000227118.3	3
## ENSG00000151247.13	9863
## ENSG00000249055.1	2
## ENSG00000263923.1	1
## ENSG00000214886.4	0
## ENSG00000287512.1	0
## ENSG00000252548.1	0
## ENSG00000251437.1	0
## ENSG00000164024.12	8415
## ENSG00000265213.1	0
## ENSG00000250496.2	0
## ENSG00000272777.1	72
## ENSG00000197894.12	31252
## ENSG00000246090.9	136
## ENSG00000198099.10	2
## ENSG00000293361.1	0
## ENSG00000249065.3	0
## ENSG00000172955.17	73
## ENSG00000187758.8	17
## ENSG00000196616.15	65

## ENSG00000248144.6	83
## ENSG00000196344.12	0
## ENSG00000250300.1	0
## ENSG00000138813.10	0
## ENSG00000145331.14	1164
## ENSG00000138823.14	11559
## ENSG00000248676.1	9
## ENSG00000248713.2	2
## ENSG00000070190.13	4
## ENSG00000279913.1	0
## ENSG00000109270.13	4031
## ENSG00000164031.17	4330
## ENSG00000279098.1	1
## ENSG00000164032.12	33732
## ENSG00000245322.8	17
## ENSG00000250403.1	0
## ENSG00000248820.2	0
## ENSG00000145358.6	767
## ENSG00000249710.1	0
## ENSG00000164035.10	0
## ENSG00000286150.1	0
## ENSG00000250223.1	0
## ENSG00000251219.2	0
## ENSG00000251636.1	3
## ENSG00000138814.17	10224
## ENSG00000273882.1	0
## ENSG00000221265.1	0
## ENSG00000254531.3	281
## ENSG00000153064.12	120
## ENSG00000286124.1	0
## ENSG00000199529.1	0
## ENSG00000251149.1	0
## ENSG00000251309.1	0
## ENSG00000138821.14	2796
## ENSG00000241144.3	0
## ENSG00000248161.5	51
## ENSG00000251572.2	0
## ENSG00000260651.1	0
## ENSG00000109320.14	3491
## ENSG00000109323.11	17396
## ENSG00000241981.2	2
## ENSG00000230069.3	4
## ENSG00000248971.2	34
## ENSG00000224207.3	0
## ENSG00000251288.2	2
## ENSG00000109332.20	39458
## ENSG00000286242.1	5
## ENSG00000246560.3	102
## ENSG00000252739.1	0
## ENSG00000145354.12	3703
## ENSG00000164037.17	53
## ENSG00000250651.1	3
## ENSG00000249283.3	0
## ENSG00000164038.16	1531

## ENSG00000164039.15	3803
## ENSG00000138778.14	5708
## ENSG00000248740.8	19
## ENSG00000251577.5	22
## ENSG00000250920.3	0
## ENSG00000251571.1	0
## ENSG00000169836.5	120
## ENSG00000286291.1	0
## ENSG00000252460.1	0
## ENSG00000249614.2	0
## ENSG00000251170.6	0
## ENSG00000168772.12	929
## ENSG00000245384.2	10
## ENSG00000250670.1	0
## ENSG00000248242.1	0
## ENSG00000244470.2	0
## ENSG00000248373.7	0
## ENSG00000251906.2	0
## ENSG00000276992.1	0
## ENSG00000251473.2	0
## ENSG00000252136.1	0
## ENSG00000251259.1	7
## ENSG00000168769.14	2169
## ENSG00000251586.1	0
## ENSG00000243383.3	0
## ENSG00000138777.20	6654
## ENSG00000200917.1	0
## ENSG00000249264.1	585
## ENSG00000216425.4	0
## ENSG00000250922.1	0
## ENSG00000250522.1	0
## ENSG00000236699.9	58
## ENSG00000249885.1	0
## ENSG00000248778.1	0
## ENSG00000138785.16	1952
## ENSG00000138780.15	3823
## ENSG00000251175.5	0
## ENSG00000168743.13	621
## ENSG00000250740.1	0
## ENSG00000249635.1	0
## ENSG00000145348.17	2753
## ENSG00000164022.18	6688
## ENSG00000250298.6	0
## ENSG00000249613.2	0
## ENSG00000286147.1	0
## ENSG00000248915.2	0
## ENSG00000155011.9	37
## ENSG00000213522.4	9
## ENSG00000251081.1	0
## ENSG00000252470.1	0
## ENSG00000138801.9	23237
## ENSG00000164023.15	1331
## ENSG00000245293.5	8
## ENSG00000222691.1	0

## ENSG00000155016.18	1381
## ENSG00000249604.1	1
## ENSG00000138796.18	7646
## ENSG00000138795.10	270
## ENSG00000232021.9	2
## ENSG00000239939.1	0
## ENSG00000278589.1	0
## ENSG00000250485.1	0
## ENSG00000234492.6	18
## ENSG00000109475.17	43071
## ENSG00000198856.13	15348
## ENSG00000206601.1	1
## ENSG00000286136.2	14
## ENSG00000164089.9	7
## ENSG00000249257.1	0
## ENSG00000250185.2	1
## ENSG00000188517.17	54
## ENSG00000246774.1	1
## ENSG00000249465.1	17
## ENSG00000247950.9	62
## ENSG00000138802.11	5814
## ENSG00000243227.3	0
## ENSG00000207988.1	1
## ENSG00000225094.3	1
## ENSG00000249965.2	0
## ENSG00000005059.16	361
## ENSG00000248785.1	5
## ENSG00000138794.10	5243
## ENSG00000273447.1	13
## ENSG00000123739.11	2842
## ENSG00000285330.1	0
## ENSG00000205403.15	19
## ENSG00000272795.1	3
## ENSG00000109534.17	2652
## ENSG00000180245.7	8
## ENSG00000183423.12	8
## ENSG00000249681.2	1
## ENSG00000138798.13	32
## ENSG00000207260.1	0
## ENSG00000170522.10	16029
## ENSG00000263940.2	0
## ENSG00000248200.2	0
## ENSG00000288913.2	62
## ENSG00000166530.8	0
## ENSG00000250594.2	0
## ENSG00000212160.1	0
## ENSG00000250304.2	0
## ENSG00000138792.10	135
## ENSG00000251464.2	0
## ENSG00000251046.2	2
## ENSG00000199894.1	0
## ENSG00000250511.1	49
## ENSG00000250103.3	77
## ENSG00000164093.18	5018

## ENSG00000289096.1	25
## ENSG00000249519.1	0
## ENSG00000215961.1	0
## ENSG00000288692.1	0
## ENSG00000251483.2	0
## ENSG00000251312.2	0
## ENSG00000200963.1	0
## ENSG00000248656.3	0
## ENSG00000241722.2	0
## ENSG00000250855.2	0
## ENSG00000249815.2	2
## ENSG00000288691.1	1
## ENSG00000288685.1	2
## ENSG00000250556.1	0
## ENSG00000250307.2	0
## ENSG00000240459.2	3
## ENSG00000174749.6	31
## ENSG00000243280.2	0
## ENSG00000260526.1	75
## ENSG00000138660.12	2509
## ENSG00000145365.12	940
## ENSG00000073331.18	169
## ENSG00000251441.4	2
## ENSG00000293208.1	0
## ENSG00000248697.1	3
## ENSG00000178403.4	1
## ENSG00000249509.1	0
## ENSG00000248439.2	0
## ENSG00000138658.16	734
## ENSG00000250966.2	69
## ENSG00000174720.18	2718
## ENSG00000249532.6	4
## ENSG00000199169.1	0
## ENSG00000199145.1	0
## ENSG00000207927.1	0
## ENSG00000199102.1	0
## ENSG00000284463.1	0
## ENSG00000220924.4	2
## ENSG00000250046.3	0
## ENSG00000248633.1	2
## ENSG00000241002.1	1
## ENSG00000202536.2	0
## ENSG00000241741.1	107
## ENSG00000250500.1	0
## ENSG00000145362.21	311
## ENSG00000234841.4	0
## ENSG00000251126.2	0
## ENSG00000228814.4	0
## ENSG00000248152.2	1
## ENSG00000249373.2	0
## ENSG00000283193.1	0
## ENSG00000275810.1	0
## ENSG00000196656.8	26
## ENSG00000293227.1	0

## ENSG00000145349.20	18675
## ENSG00000239279.3	0
## ENSG00000206820.1	0
## ENSG00000250229.1	0
## ENSG00000180801.14	940
## ENSG00000249304.1	2
## ENSG00000248716.2	0
## ENSG00000288781.2	9
## ENSG00000174607.11	6118
## ENSG00000207931.1	0
## ENSG00000250215.1	0
## ENSG00000240637.3	0
## ENSG00000138653.10	14
## ENSG00000251308.1	0
## ENSG00000250693.2	0
## ENSG00000248488.2	0
## ENSG00000250363.1	0
## ENSG00000293005.1	0
## ENSG00000250442.1	1
## ENSG00000249259.4	0
## ENSG00000250627.2	0
## ENSG00000284253.1	0
## ENSG00000250272.1	0
## ENSG00000248139.2	0
## ENSG00000250791.2	0
## ENSG00000213493.3	14
## ENSG00000287845.1	0
## ENSG00000287520.1	0
## ENSG00000287290.1	0
## ENSG00000286637.1	0
## ENSG00000201752.1	0
## ENSG00000271053.1	1
## ENSG00000174599.5	249
## ENSG00000223605.1	0
## ENSG00000224932.2	0
## ENSG00000228358.7	1
## ENSG00000236922.10	0
## ENSG00000237684.1	1
## ENSG00000293004.1	6
## ENSG00000213492.3	0
## ENSG00000286269.1	10
## ENSG00000288921.1	0
## ENSG00000229565.2	1
## ENSG00000164100.9	682
## ENSG00000251463.2	1
## ENSG00000269893.10	2971
## ENSG00000275994.1	0
## ENSG00000164099.3	7655
## ENSG00000230671.2	0
## ENSG00000273716.2	57
## ENSG00000154608.14	42
## ENSG00000291201.1	481
## ENSG00000260404.6	0
## ENSG00000223225.1	0

## ENSG00000248213.3	47
## ENSG00000251155.2	16
## ENSG00000281731.3	25
## ENSG00000145388.15	3223
## ENSG00000150961.15	4334
## ENSG00000172403.11	125
## ENSG00000249002.2	0
## ENSG00000172399.6	8
## ENSG00000293254.1	5
## ENSG00000178636.9	0
## ENSG00000145390.12	3808
## ENSG00000164096.13	8342
## ENSG00000145384.4	0
## ENSG00000250412.1	28
## ENSG00000201186.1	0
## ENSG00000249244.1	57
## ENSG00000291202.1	470
## ENSG00000260091.1	0
## ENSG00000223208.1	0
## ENSG00000283050.5	0
## ENSG00000291203.1	707
## ENSG00000250950.1	3
## ENSG00000245958.9	0
## ENSG00000138735.16	10648
## ENSG00000221245.1	0
## ENSG00000286241.1	1
## ENSG00000250772.6	0
## ENSG00000250183.2	0
## ENSG00000250392.2	2
## ENSG00000200553.1	0
## ENSG00000253825.1	2
## ENSG00000164109.14	7866
## ENSG00000250938.8	17
## ENSG00000250219.2	0
## ENSG00000225665.4	0
## ENSG00000249409.1	0
## ENSG00000138738.11	879
## ENSG00000212359.1	0
## ENSG00000251609.2	12
## ENSG00000173376.14	513
## ENSG00000223006.1	0
## ENSG00000250344.1	0
## ENSG00000271302.1	0
## ENSG00000050730.16	4
## ENSG00000252183.1	0
## ENSG00000186867.11	4
## ENSG00000207148.1	0
## ENSG00000213480.3	0
## ENSG00000224062.4	0
## ENSG00000164111.15	32236
## ENSG00000164112.14	0
## ENSG00000226757.2	0
## ENSG00000123737.13	4776
## ENSG00000145386.11	9943

## ENSG00000138686.10	1882
## ENSG00000261501.1	0
## ENSG00000138741.11	83
## ENSG00000289342.2	1
## ENSG00000237868.1	1
## ENSG00000241037.3	0
## ENSG00000138688.17	4169
## ENSG00000164113.11	0
## ENSG00000109471.5	0
## ENSG00000138684.9	0
## ENSG00000227145.2	0
## ENSG00000287692.1	0
## ENSG00000293471.1	26
## ENSG00000224786.4	0
## ENSG00000181004.10	754
## ENSG00000244083.1	0
## ENSG00000138685.18	255
## ENSG00000240775.1	0
## ENSG00000273007.2	17
## ENSG00000170917.14	178
## ENSG00000145375.9	1146
## ENSG00000250322.2	2
## ENSG00000287951.1	5
## ENSG00000164056.11	2220
## ENSG00000249125.2	0
## ENSG00000251526.1	2
## ENSG00000249464.8	110
## ENSG00000226655.1	0
## ENSG00000228489.1	0
## ENSG00000250458.2	0
## ENSG00000286700.1	0
## ENSG00000250484.2	0
## ENSG00000249837.1	0
## ENSG00000286734.1	2
## ENSG00000248506.1	0
## ENSG00000248565.2	1
## ENSG00000261083.3	0
## ENSG00000151458.12	4113
## ENSG00000196159.14	186
## ENSG00000201297.1	0
## ENSG00000283550.1	0
## ENSG00000250149.2	0
## ENSG00000251436.2	0
## ENSG00000249555.2	0
## ENSG00000251649.2	0
## ENSG00000251005.1	0
## ENSG00000286251.2	0
## ENSG00000223620.3	0
## ENSG00000289869.1	0
## ENSG00000199862.1	0
## ENSG00000250945.1	0
## ENSG00000248491.6	0
## ENSG00000287101.1	0
## ENSG00000248209.1	0

## ENSG00000249795.1	0
## ENSG00000287021.1	1
## ENSG00000164066.13	1507
## ENSG00000151475.6	0
## ENSG00000164070.12	3805
## ENSG00000282855.1	1
## ENSG00000244021.4	14
## ENSG00000261668.1	9
## ENSG00000142731.11	2809
## ENSG00000251821.1	4
## ENSG00000164073.11	1183
## ENSG00000164074.17	1254
## ENSG00000138709.20	3026
## ENSG00000241651.4	11
## ENSG00000248394.1	1
## ENSG00000164040.18	10437
## ENSG00000251432.8	42
## ENSG00000273077.1	3
## ENSG00000248187.1	0
## ENSG00000248802.1	0
## ENSG00000289243.1	0
## ENSG00000280711.1	0
## ENSG00000077684.16	5545
## ENSG00000151466.12	981
## ENSG00000275647.1	0
## ENSG00000151470.13	604
## ENSG00000251345.2	0
## ENSG00000248958.2	0
## ENSG00000251195.1	0
## ENSG00000250193.1	0
## ENSG00000287748.1	0
## ENSG00000246876.7	0
## ENSG00000249618.6	0
## ENSG00000234125.5	0
## ENSG00000251326.2	0
## ENSG00000248877.2	0
## ENSG00000249018.2	0
## ENSG00000280059.1	0
## ENSG00000250503.1	0
## ENSG00000287924.1	0
## ENSG00000250213.2	0
## ENSG00000206782.1	0
## ENSG00000250102.6	0
## ENSG00000248715.2	0
## ENSG00000241392.3	0
## ENSG00000251676.2	1
## ENSG00000252014.1	0
## ENSG00000249416.2	0
## ENSG00000184139.8	0
## ENSG00000251555.1	0
## ENSG00000251598.2	0
## ENSG00000249463.1	0
## ENSG00000251051.1	0
## ENSG00000248369.1	0

## ENSG00000251398.2	0
## ENSG00000249038.2	0
## ENSG00000251488.1	0
## ENSG00000249513.2	0
## ENSG00000250241.7	6
## ENSG00000248735.2	0
## ENSG00000138650.9	425
## ENSG00000286467.1	1
## ENSG00000250191.1	0
## ENSG00000251388.1	0
## ENSG00000251199.6	1
## ENSG00000286253.1	0
## ENSG00000254535.4	480
## ENSG00000248191.1	0
## ENSG00000251291.2	0
## ENSG00000249000.1	0
## ENSG00000249847.1	0
## ENSG00000251228.1	1
## ENSG00000241411.1	0
## ENSG00000250144.1	429
## ENSG00000248434.1	0
## ENSG00000248456.1	16
## ENSG00000283432.1	0
## ENSG00000250834.1	0
## ENSG00000248104.1	0
## ENSG00000250865.1	0
## ENSG00000248330.5	0
## ENSG00000207322.1	0
## ENSG00000251492.1	0
## ENSG00000261166.1	0
## ENSG00000251567.5	0
## ENSG00000250665.1	0
## ENSG00000249311.4	1
## ENSG00000279749.1	0
## ENSG00000248869.7	32
## ENSG00000250341.1	0
## ENSG00000250813.1	0
## ENSG00000251440.2	0
## ENSG00000213448.3	2
## ENSG00000189184.12	1855
## ENSG00000251632.1	0
## ENSG00000280352.1	0
## ENSG00000250126.1	0
## ENSG00000250777.2	1
## ENSG00000287441.1	0
## ENSG00000250034.1	0
## ENSG00000287144.1	4
## ENSG00000248307.6	7
## ENSG00000250033.5	16
## ENSG00000151012.13	3580
## ENSG00000249091.1	0
## ENSG00000248397.1	0
## ENSG00000251372.7	0
## ENSG00000249381.1	0

## ENSG00000248305.1	1
## ENSG00000248795.1	8
## ENSG00000250977.1	0
## ENSG00000250501.3	0
## ENSG00000250195.1	0
## ENSG00000250577.1	0
## ENSG00000151014.6	1658
## ENSG00000109381.21	4042
## ENSG00000252503.1	25
## ENSG00000240723.3	0
## ENSG00000179967.11	86
## ENSG00000276396.1	0
## ENSG00000288785.1	3
## ENSG00000265892.2	0
## ENSG00000207384.1	0
## ENSG00000252362.1	0
## ENSG00000206722.1	0
## ENSG00000137463.5	30
## ENSG00000109390.13	2493
## ENSG00000164134.14	14314
## ENSG00000200520.1	0
## ENSG00000273247.7	244
## ENSG00000293157.1	2
## ENSG00000248863.3	1
## ENSG00000239005.1	0
## ENSG00000172007.7	1521
## ENSG00000145391.14	11058
## ENSG00000249302.2	0
## ENSG00000272717.1	48
## ENSG00000286896.2	5
## ENSG00000261268.2	0
## ENSG00000085871.9	1310
## ENSG00000201533.1	0
## ENSG00000178458.5	44
## ENSG00000196782.13	2405
## ENSG00000286320.2	2
## ENSG00000252233.1	1
## ENSG00000290022.1	2
## ENSG00000250698.1	0
## ENSG00000153130.18	10968
## ENSG00000196951.13	62
## ENSG00000249754.2	0
## ENSG00000241923.2	26
## ENSG00000153132.13	2460
## ENSG00000205301.12	0
## ENSG00000280262.1	1
## ENSG00000179387.10	6971
## ENSG00000109424.4	11
## ENSG00000287449.1	3
## ENSG00000242102.3	0
## ENSG00000248621.2	0
## ENSG00000109436.8	6376
## ENSG00000249661.1	7
## ENSG00000207155.1	0

## ENSG00000248335.1	0
## ENSG00000273472.2	140
## ENSG00000222613.1	0
## ENSG00000170153.11	5014
## ENSG00000109445.11	3704
## ENSG00000248747.1	5
## ENSG00000248810.4	24
## ENSG00000250189.2	0
## ENSG00000272632.1	2
## ENSG00000250141.1	0
## ENSG00000164136.17	47
## ENSG00000109452.13	1400
## ENSG00000242134.2	1
## ENSG00000250835.1	0
## ENSG00000251248.1	0
## ENSG00000249806.1	0
## ENSG00000250326.2	34
## ENSG00000251300.1	0
## ENSG00000170185.11	3721
## ENSG00000250969.1	0
## ENSG00000200049.1	0
## ENSG00000109458.10	3875
## ENSG00000265623.1	0
## ENSG00000228981.3	41
## ENSG00000286771.1	0
## ENSG00000293348.1	0
## ENSG00000243175.2	0
## ENSG00000250540.1	0
## ENSG00000245112.2	375
## ENSG00000153147.6	32867
## ENSG00000248924.3	0
## ENSG00000293301.1	0
## ENSG00000251600.9	73
## ENSG00000236296.9	0
## ENSG00000183090.5	2
## ENSG00000250345.2	0
## ENSG00000197465.14	37
## ENSG00000249741.2	25
## ENSG00000250361.10	0
## ENSG00000286055.1	0
## ENSG00000170180.22	0
## ENSG00000285783.1	0
## ENSG00000285713.1	1
## ENSG00000261129.1	0
## ENSG00000250504.2	0
## ENSG00000248890.4	15
## ENSG00000164161.10	20
## ENSG00000289314.1	0
## ENSG00000273621.1	0
## ENSG00000164162.14	629
## ENSG00000249193.1	7
## ENSG00000250406.2	1
## ENSG00000251452.2	0
## ENSG00000222594.1	0

## ENSG00000164163.11	16689
## ENSG00000164164.17	8381
## ENSG00000238713.1	0
## ENSG00000240992.1	0
## ENSG00000272727.2	7
## ENSG00000251333.3	29
## ENSG00000278943.1	10
## ENSG00000286420.1	0
## ENSG00000248745.2	0
## ENSG00000170365.10	2573
## ENSG00000250582.1	0
## ENSG00000250902.1	0
## ENSG00000151611.17	670
## ENSG00000249245.2	9
## ENSG00000248356.1	0
## ENSG00000237136.8	0
## ENSG00000151612.18	2024
## ENSG00000279481.1	4
## ENSG00000251687.1	1
## ENSG00000201314.1	0
## ENSG00000260303.1	0
## ENSG00000248809.6	0
## ENSG00000164167.12	2075
## ENSG00000279845.1	3
## ENSG00000250673.3	4
## ENSG00000251010.1	0
## ENSG00000120519.16	1410
## ENSG00000278438.1	0
## ENSG00000288998.2	4
## ENSG00000207182.1	0
## ENSG00000151615.3	34
## ENSG00000137473.19	118
## ENSG00000248764.1	0
## ENSG00000248346.1	0
## ENSG00000260090.1	0
## ENSG00000279376.1	0
## ENSG00000286371.1	0
## ENSG00000221369.1	0
## ENSG00000241281.1	1
## ENSG00000249004.1	0
## ENSG00000151617.17	2960
## ENSG00000280219.1	251
## ENSG00000251254.1	4
## ENSG00000251688.2	0
## ENSG00000251298.1	0
## ENSG00000164168.8	6550
## ENSG00000164169.13	1352
## ENSG00000071205.12	3152
## ENSG00000252951.1	0
## ENSG00000264274.1	0
## ENSG00000240014.3	0
## ENSG00000270387.1	0
## ENSG00000151623.15	1472
## ENSG00000250354.1	0

## ENSG00000287292.1	7
## ENSG00000251418.2	0
## ENSG00000201846.1	0
## ENSG00000250357.1	1
## ENSG00000225176.2	0
## ENSG00000279016.1	0
## ENSG00000249317.2	0
## ENSG00000239168.1	0
## ENSG00000249752.1	0
## ENSG00000250252.2	0
## ENSG00000248210.2	0
## ENSG00000234828.9	4
## ENSG00000287565.1	0
## ENSG00000250905.1	0
## ENSG00000251482.1	1
## ENSG00000202331.1	0
## ENSG00000207121.1	0
## ENSG00000250704.1	0
## ENSG00000286711.1	0
## ENSG00000170390.16	233
## ENSG00000238721.1	0
## ENSG00000198589.15	17762
## ENSG00000248521.1	0
## ENSG00000249690.1	1
## ENSG00000181541.6	6
## ENSG00000183432.6	0
## ENSG00000252451.1	0
## ENSG00000235606.3	0
## ENSG00000145425.10	158634
## ENSG00000201264.1	1
## ENSG00000109686.20	8229
## ENSG00000208797.1	0
## ENSG00000270681.1	107
## ENSG00000249012.2	0
## ENSG00000189099.12	0
## ENSG00000250350.1	0
## ENSG00000252544.1	0
## ENSG00000270265.1	10
## ENSG00000251611.1	18
## ENSG00000164142.16	1980
## ENSG00000253019.1	0
## ENSG00000059691.12	2716
## ENSG00000251455.1	10
## ENSG00000249184.2	3
## ENSG00000286761.1	0
## ENSG00000249708.1	0
## ENSG00000249818.2	0
## ENSG00000248991.2	1
## ENSG00000286066.1	0
## ENSG00000251249.2	2
## ENSG00000253077.1	0
## ENSG00000286720.1	0
## ENSG00000245954.10	1
## ENSG00000287504.1	1

## ENSG00000250706.1	0
## ENSG00000251377.2	0
## ENSG00000244544.2	0
## ENSG00000270302.1	0
## ENSG00000270883.1	0
## ENSG00000109670.17	3382
## ENSG00000270751.1	0
## ENSG00000287555.1	1
## ENSG00000264678.1	0
## ENSG00000268471.6	183
## ENSG00000283792.1	0
## ENSG00000243417.1	1
## ENSG00000240669.1	4
## ENSG00000170006.13	50
## ENSG00000248571.1	0
## ENSG00000169989.3	103
## ENSG00000164144.16	4898
## ENSG00000250980.1	0
## ENSG00000231841.1	7
## ENSG00000287642.3	63
## ENSG00000137460.10	627
## ENSG00000249022.2	2
## ENSG00000109654.16	3340
## ENSG00000288637.1	0
## ENSG00000252030.1	0
## ENSG00000201786.1	0
## ENSG00000213406.3	19
## ENSG00000121211.8	11
## ENSG00000243883.3	0
## ENSG00000121210.16	4282
## ENSG00000287216.1	1
## ENSG00000290441.1	1
## ENSG00000248208.1	1
## ENSG00000250771.3	0
## ENSG00000137462.9	178
## ENSG00000145428.15	27
## ENSG00000249309.1	1
## ENSG00000145423.5	22
## ENSG00000280241.4	0
## ENSG00000197410.14	96
## ENSG00000278981.1	0
## ENSG00000280005.1	0
## ENSG00000249200.1	0
## ENSG00000250609.1	0
## ENSG00000171566.12	13765
## ENSG00000200350.1	0
## ENSG00000248611.1	0
## ENSG00000171564.12	361471
## ENSG00000171560.18	65350
## ENSG00000171557.17	98509
## ENSG00000287770.1	20
## ENSG00000121207.12	9949
## ENSG00000249074.1	0
## ENSG00000249041.1	0

## ENSG00000249692.1	0
## ENSG00000151962.8	29
## ENSG00000222582.1	0
## ENSG00000252604.1	0
## ENSG00000250910.8	5
## ENSG00000250538.6	2
## ENSG00000185149.6	8
## ENSG00000249924.2	0
## ENSG00000164114.19	6173
## ENSG00000250205.1	0
## ENSG00000250398.1	0
## ENSG00000271606.1	0
## ENSG00000287730.1	0
## ENSG00000249247.1	0
## ENSG00000249770.1	0
## ENSG00000248748.1	0
## ENSG00000248548.1	0
## ENSG00000249127.1	0
## ENSG00000249698.1	0
## ENSG00000248420.1	0
## ENSG00000249386.1	0
## ENSG00000251223.1	0
## ENSG00000248907.1	0
## ENSG00000251407.1	0
## ENSG00000251244.3	0
## ENSG00000164116.17	691
## ENSG00000260244.1	0
## ENSG00000061918.14	539
## ENSG00000256394.3	5
## ENSG00000151790.9	517
## ENSG00000256043.5	793
## ENSG00000289320.1	0
## ENSG00000249013.1	0
## ENSG00000251511.1	0
## ENSG00000251283.1	0
## ENSG00000249479.1	0
## ENSG00000248912.1	0
## ENSG00000145431.11	3780
## ENSG00000248629.1	0
## ENSG00000280284.1	0
## ENSG00000278880.1	0
## ENSG00000250622.1	0
## ENSG00000252350.1	0
## ENSG00000252524.1	0
## ENSG00000109738.11	323
## ENSG00000199859.1	0
## ENSG00000120251.22	57
## ENSG00000249819.1	0
## ENSG00000286133.2	0
## ENSG00000234111.6	0
## ENSG00000249275.1	0
## ENSG00000200521.1	0
## ENSG00000249627.1	0
## ENSG00000279703.1	0

## ENSG00000286862.1	0
## ENSG00000287226.1	3
## ENSG00000279994.1	0
## ENSG00000250475.1	0
## ENSG00000279139.1	0
## ENSG00000280140.1	3
## ENSG00000164125.16	13832
## ENSG00000248429.5	172
## ENSG00000287822.1	0
## ENSG00000251073.1	0
## ENSG00000250604.2	1
## ENSG00000164124.11	2307
## ENSG00000286558.1	1
## ENSG00000293013.1	2
## ENSG00000251429.2	1
## ENSG00000171509.16	3
## ENSG00000199634.1	0
## ENSG00000248387.1	0
## ENSG00000249901.1	0
## ENSG00000205208.5	4370
## ENSG00000171503.13	965
## ENSG00000271817.2	0
## ENSG00000171497.5	6025
## ENSG00000052795.13	5751
## ENSG00000206703.1	0
## ENSG00000289999.1	0
## ENSG00000164123.7	7
## ENSG00000274535.1	0
## ENSG00000248988.1	8
## ENSG00000249367.1	0
## ENSG00000206978.1	0
## ENSG00000109756.10	6569
## ENSG00000264105.1	0
## ENSG00000283379.1	0
## ENSG00000248552.1	0
## ENSG00000250180.1	0
## ENSG00000250488.2	0
## ENSG00000250997.1	0
## ENSG00000249425.1	0
## ENSG00000242635.2	0
## ENSG00000249568.1	1
## ENSG00000168843.14	1011
## ENSG00000249419.1	0
## ENSG00000251253.1	0
## ENSG00000248396.1	0
## ENSG00000248431.2	0
## ENSG00000287072.1	0
## ENSG00000251123.1	0
## ENSG00000283468.1	0
## ENSG00000250027.1	22
## ENSG00000145414.9	2426
## ENSG00000250547.1	0
## ENSG00000164128.7	860
## ENSG00000164129.12	28

## ENSG00000227283.1	0
## ENSG00000151005.5	0
## ENSG00000198498.10	3223
## ENSG00000145416.14	189
## ENSG00000273449.1	15
## ENSG00000253001.1	0
## ENSG00000177803.7	5
## ENSG00000250746.1	19
## ENSG00000248546.3	17
## ENSG00000251162.1	0
## ENSG00000223037.1	0
## ENSG00000248162.1	0
## ENSG00000248771.5	3
## ENSG00000201050.1	0
## ENSG00000248329.6	272
## ENSG00000250227.1	0
## ENSG00000244146.1	1
## ENSG00000285563.1	1
## ENSG00000221891.2	0
## ENSG00000270960.1	0
## ENSG00000248645.1	0
## ENSG00000121089.4	16
## ENSG00000236941.6	0
## ENSG00000183439.10	0
## ENSG00000250486.5	0
## ENSG00000248229.1	0
## ENSG00000250887.1	0
## ENSG00000250712.1	0
## ENSG00000240674.1	9
## ENSG00000176979.14	0
## ENSG00000276623.1	0
## ENSG00000250430.1	0
## ENSG00000249617.1	3
## ENSG00000250374.5	0
## ENSG00000170088.14	2993
## ENSG00000109466.14	2310
## ENSG00000200974.1	0
## ENSG00000229894.5	1
## ENSG00000052802.13	14030
## ENSG00000109472.14	26921
## ENSG00000207559.1	0
## ENSG00000251596.1	19
## ENSG00000248287.1	0
## ENSG00000248327.1	0
## ENSG00000287424.1	0
## ENSG00000250725.2	0
## ENSG00000249500.1	0
## ENSG00000038295.8	913
## ENSG00000252959.1	0
## ENSG00000206711.1	0
## ENSG00000249675.1	3
## ENSG00000196104.11	8316
## ENSG00000212373.1	0
## ENSG00000250150.1	0

## ENSG00000240772.3	0
## ENSG00000248913.1	0
## ENSG00000222721.1	0
## ENSG00000270336.1	0
## ENSG00000248601.1	0
## ENSG00000109511.12	174
## ENSG00000287188.1	0
## ENSG00000137628.18	280
## ENSG00000181381.15	392
## ENSG00000207171.1	0
## ENSG00000129116.20	17340
## ENSG00000229226.3	0
## ENSG00000249623.1	0
## ENSG00000206613.1	0
## ENSG00000214676.4	0
## ENSG00000249609.1	2
## ENSG00000279384.1	9
## ENSG00000145439.12	4745
## ENSG00000201176.1	5
## ENSG00000201818.1	0
## ENSG00000251445.1	1
## ENSG00000154447.15	6921
## ENSG00000214671.4	0
## ENSG00000251171.1	0
## ENSG00000289249.2	0
## ENSG00000137601.18	1517
## ENSG00000286302.1	2
## ENSG00000109572.16	12400
## ENSG00000056050.7	2731
## ENSG00000229204.3	18
## ENSG00000248625.1	1
## ENSG00000287660.1	0
## ENSG00000288003.1	0
## ENSG00000248319.4	0
## ENSG00000287298.1	0
## ENSG00000289508.2	0
## ENSG00000251200.2	0
## ENSG00000249955.2	3
## ENSG00000198948.12	2715
## ENSG00000109576.14	1483
## ENSG00000248822.1	0
## ENSG00000248739.1	0
## ENSG00000250266.3	269
## ENSG00000251061.2	0
## ENSG00000250082.1	0
## ENSG00000293021.1	0
## ENSG00000181359.6	3
## ENSG00000250968.1	0
## ENSG00000249943.1	0
## ENSG00000251961.1	0
## ENSG00000286580.1	0
## ENSG00000248872.2	0
## ENSG00000249525.1	0
## ENSG00000248755.1	0

## ENSG00000278502.1	0
## ENSG00000248339.1	0
## ENSG00000287210.1	0
## ENSG00000249297.2	0
## ENSG00000251176.1	0
## ENSG00000174473.17	186
## ENSG00000248637.1	0
## ENSG00000245213.7	75
## ENSG00000241652.3	0
## ENSG00000109586.12	15696
## ENSG00000221296.2	0
## ENSG00000290017.1	4
## ENSG00000248774.1	31
## ENSG00000164104.12	18136
## ENSG00000288728.2	15
## ENSG00000272870.4	56
## ENSG00000164105.4	1293
## ENSG00000164106.8	2
## ENSG00000288025.1	3
## ENSG00000242882.1	6
## ENSG00000286226.1	0
## ENSG00000252898.1	0
## ENSG00000261646.1	1
## ENSG00000286039.3	25
## ENSG00000288776.1	0
## ENSG00000164107.9	24
## ENSG00000237125.13	8
## ENSG00000234801.3	37
## ENSG00000213370.3	13
## ENSG00000250708.3	1
## ENSG00000250043.1	0
## ENSG00000251216.2	0
## ENSG00000248174.8	2
## ENSG00000250957.1	1
## ENSG00000251213.1	0
## ENSG00000289179.1	7
## ENSG00000289210.1	20
## ENSG00000164117.14	1007
## ENSG00000164118.13	1176
## ENSG00000249875.1	0
## ENSG00000265846.1	0
## ENSG00000164120.14	1196
## ENSG00000251584.2	3
## ENSG00000293043.1	3
## ENSG00000250596.3	0
## ENSG00000145451.13	9
## ENSG00000168594.15	3
## ENSG00000250200.1	0
## ENSG00000250431.1	0
## ENSG00000249411.1	0
## ENSG00000286494.1	0
## ENSG00000249284.1	0
## ENSG00000248551.1	0
## ENSG00000249945.2	0

## ENSG00000251174.1	0
## ENSG00000248574.1	0
## ENSG00000289392.1	0
## ENSG00000150625.17	816
## ENSG00000249106.1	0
## ENSG00000248249.1	0
## ENSG00000250372.1	0
## ENSG00000150627.16	146
## ENSG00000201516.1	0
## ENSG00000150628.7	25
## ENSG00000164122.9	23
## ENSG00000248980.1	0
## ENSG00000289149.1	27
## ENSG00000129128.13	14283
## ENSG00000289520.1	105
## ENSG00000248480.1	0
## ENSG00000248388.5	2
## ENSG00000150630.4	54
## ENSG00000287544.1	0
## ENSG00000249458.1	0
## ENSG00000250263.2	0
## ENSG00000222859.1	0
## ENSG00000249008.1	0
## ENSG00000109674.4	975
## ENSG00000249084.1	6
## ENSG00000038002.9	1575
## ENSG00000250131.2	304
## ENSG00000201931.1	1
## ENSG00000251416.1	1
## ENSG00000231171.4	0
## ENSG00000251504.1	1
## ENSG00000253000.1	0
## ENSG00000241877.1	1
## ENSG00000201727.1	0
## ENSG00000212191.1	0
## ENSG00000250839.1	0
## ENSG00000250993.1	0
## ENSG00000248921.1	0
## ENSG00000287083.1	5
## ENSG00000287775.1	1
## ENSG00000289951.1	0
## ENSG00000251025.1	0
## ENSG00000249883.1	0
## ENSG00000248197.1	0
## ENSG00000248770.1	0
## ENSG00000249460.2	0
## ENSG00000225356.3	15
## ENSG00000286860.1	0
## ENSG00000287948.1	0
## ENSG00000251336.1	0
## ENSG00000251742.1	0
## ENSG00000177822.10	291
## ENSG00000251433.1	0
## ENSG00000218336.9	10659

## ENSG00000248266.1	0
## ENSG00000290012.1	1
## ENSG00000221227.1	0
## ENSG00000252343.1	0
## ENSG00000251714.1	0
## ENSG00000248816.1	0
## ENSG00000248694.1	0
## ENSG00000286119.1	0
## ENSG00000272646.1	3
## ENSG00000129187.15	8510
## ENSG00000286821.1	0
## ENSG00000250636.1	0
## ENSG00000293019.1	0
## ENSG00000230219.4	0
## ENSG00000273180.1	2
## ENSG00000272784.1	6
## ENSG00000251359.4	34
## ENSG00000151718.16	7785
## ENSG00000251128.1	0
## ENSG00000177300.7	0
## ENSG00000185758.9	2
## ENSG00000250292.1	8
## ENSG00000248376.2	0
## ENSG00000168564.6	2457
## ENSG00000213434.2	1
## ENSG00000232648.4	58
## ENSG00000168556.7	1119
## ENSG00000272744.1	23
## ENSG00000182552.15	2148
## ENSG00000252157.1	0
## ENSG00000168538.16	4397
## ENSG00000201433.1	0
## ENSG00000251739.1	2
## ENSG00000287349.1	0
## ENSG00000283383.1	0
## ENSG00000173320.12	1743
## ENSG00000248206.2	13
## ENSG00000283355.1	10
## ENSG00000250726.1	1
## ENSG00000164303.11	0
## ENSG00000287433.1	6
## ENSG00000240159.1	0
## ENSG00000244512.3	0
## ENSG00000227765.4	7
## ENSG00000180712.5	7
## ENSG00000249096.7	0
## ENSG00000168310.12	1479
## ENSG00000251878.1	0
## ENSG00000270426.1	7
## ENSG00000271646.1	28
## ENSG00000286292.2	1
## ENSG00000271538.7	7
## ENSG00000249056.1	0
## ENSG00000254233.1	34

## ENSG00000164305.20	5461
## ENSG00000164306.11	619
## ENSG00000151725.12	3072
## ENSG00000151726.16	2395
## ENSG00000293200.1	0
## ENSG00000249138.2	0
## ENSG00000251139.2	0
## ENSG00000286256.2	0
## ENSG00000251230.7	0
## ENSG00000266698.1	0
## ENSG00000289139.1	0
## ENSG00000249173.8	0
## ENSG00000289197.2	0
## ENSG00000251147.1	0
## ENSG00000263458.1	0
## ENSG00000279460.1	0
## ENSG00000248517.1	0
## ENSG00000187821.9	0
## ENSG00000250754.6	0
## ENSG00000249520.1	0
## ENSG00000287183.1	4
## ENSG00000151729.11	3878
## ENSG00000164323.15	3911
## ENSG00000109762.17	1459
## ENSG00000109771.16	86
## ENSG00000250410.1	0
## ENSG00000186352.9	57
## ENSG00000109775.11	2660
## ENSG00000207231.1	0
## ENSG00000205129.9	37
## ENSG00000168491.10	34
## ENSG00000249679.3	6
## ENSG00000154553.17	623
## ENSG00000154556.20	5729
## ENSG00000233110.1	10
## ENSG00000235902.1	26
## ENSG00000207497.1	0
## ENSG00000285745.1	3
## ENSG00000235149.1	0
## ENSG00000222727.1	0
## ENSG00000164342.14	5
## ENSG00000109794.14	315
## ENSG00000253013.1	1
## ENSG00000250327.1	15
## ENSG00000251008.1	1
## ENSG00000279943.1	12
## ENSG00000145476.16	456
## ENSG00000290316.1	0
## ENSG00000164344.17	0
## ENSG00000088926.15	6
## ENSG00000251165.6	5
## ENSG00000287667.1	0
## ENSG00000213332.4	1
## ENSG00000272297.2	0

## ENSG00000212387.1	0
## ENSG00000168412.7	171
## ENSG00000083857.15	36549
## ENSG00000287169.1	0
## ENSG00000250829.2	3
## ENSG00000272218.1	0
## ENSG00000249539.1	0
## ENSG00000249742.2	0
## ENSG00000250971.3	0
## ENSG00000287571.1	0
## ENSG00000249747.1	0
## ENSG00000250658.1	232
## ENSG00000250042.1	3
## ENSG00000250620.2	0
## ENSG00000251643.1	0
## ENSG00000251490.1	0
## ENSG00000250590.6	0
## ENSG00000249642.2	0
## ENSG00000249162.1	0
## ENSG00000286641.1	0
## ENSG00000213331.4	5
## ENSG00000179059.10	6242
## ENSG00000179046.9	3
## ENSG00000241011.1	0
## ENSG00000201085.1	0
## ENSG00000184108.8	0
## ENSG00000247130.2	0
## ENSG00000248370.2	0
## ENSG00000242169.2	3
## ENSG00000248880.1	0
## ENSG00000249378.8	27
## ENSG00000289879.1	0
## ENSG00000250523.1	0
## ENSG00000275826.1	0
## ENSG00000252275.1	0
## ENSG00000180015.12	11
## ENSG00000278974.1	299
## ENSG00000249269.2	0
## ENSG00000251619.1	0
## ENSG00000250626.3	0
## ENSG00000250024.1	0
## ENSG00000251310.1	0
## ENSG00000249877.1	0
## ENSG00000205100.3	2
## ENSG00000293097.1	0
## ENSG00000250739.1	2
## ENSG00000272566.1	0
## ENSG00000202215.1	0
## ENSG00000245685.9	43
## ENSG00000250666.1	0
## ENSG00000109536.13	3754
## ENSG00000249462.1	0
## ENSG00000271307.3	0
## ENSG00000251297.1	0

## ENSG00000199572.1	0
## ENSG00000201145.1	0
## ENSG00000224807.5	0
## ENSG00000205097.7	0
## ENSG00000250053.1	4
## ENSG00000214273.4	4
## ENSG00000249003.1	0
## ENSG00000281591.1	0
## ENSG00000277162.1	0
## ENSG00000281720.1	0
## ENSG00000281652.1	0
## ENSG00000281058.1	0
## ENSG00000280799.1	0
## ENSG00000258834.4	0
## ENSG00000280757.1	0
## ENSG00000281627.1	0
## ENSG00000280457.1	0
## ENSG00000260596.5	1
## ENSG00000261914.2	0
## ENSG00000282994.1	0
## ENSG00000250020.1	0
## ENSG00000153404.15	3553
## ENSG00000199540.1	2
## ENSG00000185028.4	0
## ENSG00000261434.1	0
## ENSG00000164366.4	2768
## ENSG00000260774.1	34
## ENSG00000286001.1	71
## ENSG00000073578.18	1648
## ENSG00000248925.3	9
## ENSG00000249915.9	217
## ENSG00000288622.1	1
## ENSG00000250848.1	18
## ENSG00000063438.20	7
## ENSG00000214278.4	0
## ENSG00000250645.1	0
## ENSG00000221990.5	209
## ENSG00000180104.16	3210
## ENSG00000188242.4	2
## ENSG00000066230.12	118
## ENSG00000225138.8	416
## ENSG00000250385.2	0
## ENSG00000264233.1	0
## ENSG00000249650.1	1
## ENSG00000112877.8	793
## ENSG00000171368.12	621
## ENSG00000271781.1	48
## ENSG00000289088.1	17
## ENSG00000206077.14	414
## ENSG00000249908.2	0
## ENSG00000285522.1	0
## ENSG00000288930.1	268
## ENSG00000188818.13	275
## ENSG00000247872.2	1

## ENSG00000028310.18	3988
## ENSG00000071539.14	2371
## ENSG000000287600.1	11
## ENSG000000248949.1	1
## ENSG000000288763.1	0
## ENSG000000250173.1	0
## ENSG000000215246.6	23
## ENSG000000272347.1	4
## ENSG000000145506.14	439
## ENSG000000113504.21	9207
## ENSG000000263834.1	1
## ENSG000000249201.2	5
## ENSG000000174358.16	223
## ENSG000000164363.10	16
## ENSG000000287486.1	7
## ENSG000000164362.21	332
## ENSG000000263670.1	0
## ENSG000000049656.14	12458
## ENSG000000286388.1	615
## ENSG000000250584.4	4
## ENSG000000248951.2	0
## ENSG000000279908.1	7
## ENSG000000142319.18	14
## ENSG000000153395.10	16364
## ENSG000000273742.1	0
## ENSG000000251532.1	0
## ENSG000000291055.1	297
## ENSG000000185986.14	7
## ENSG000000271119.1	12
## ENSG000000248126.1	25
## ENSG000000188002.13	0
## ENSG000000291079.1	134
## ENSG000000232615.4	1
## ENSG000000288549.1	0
## ENSG000000263746.1	0
## ENSG000000260066.1	4
## ENSG000000171421.13	2045
## ENSG000000145494.12	4725
## ENSG000000249966.1	0
## ENSG000000250417.1	0
## ENSG000000279222.1	0
## ENSG000000113430.10	7
## ENSG000000249116.2	2
## ENSG000000249326.1	0
## ENSG000000288108.1	0
## ENSG000000248994.2	21
## ENSG000000248597.2	0
## ENSG000000249731.1	0
## ENSG000000201026.1	0
## ENSG000000275733.1	0
## ENSG000000281560.1	0
## ENSG000000259757.1	0
## ENSG000000170561.13	303
## ENSG000000186493.14	47

## ENSG00000289075.2	10
## ENSG00000249541.1	1
## ENSG00000248137.1	0
## ENSG00000248736.3	0
## ENSG00000249808.4	2
## ENSG00000248118.2	1
## ENSG00000249830.1	0
## ENSG00000250716.1	0
## ENSG00000170549.4	72
## ENSG00000259603.1	0
## ENSG00000288978.3	0
## ENSG00000248962.1	0
## ENSG00000249994.1	0
## ENSG00000250921.2	0
## ENSG00000260763.1	0
## ENSG00000248973.3	1
## ENSG00000231291.3	0
## ENSG00000251371.1	0
## ENSG00000249521.1	0
## ENSG00000248311.1	0
## ENSG00000249941.1	0
## ENSG00000251506.1	0
## ENSG00000250481.2	0
## ENSG00000215231.8	0
## ENSG00000251426.1	0
## ENSG00000250529.1	0
## ENSG00000223007.1	0
## ENSG00000250579.3	444
## ENSG00000145536.15	8598
## ENSG00000250866.1	0
## ENSG00000251568.1	0
## ENSG00000286753.3	61
## ENSG00000248729.1	0
## ENSG00000250808.1	0
## ENSG00000251476.2	0
## ENSG00000164151.12	10962
## ENSG00000286986.1	0
## ENSG00000261037.1	0
## ENSG00000259861.1	0
## ENSG00000278913.1	0
## ENSG00000250730.2	0
## ENSG00000250490.1	0
## ENSG00000133398.4	1514
## ENSG00000287031.1	4
## ENSG00000215218.4	1307
## ENSG00000271230.1	0
## ENSG00000250056.8	382
## ENSG00000037474.15	8378
## ENSG00000145545.13	3128
## ENSG00000248677.2	0
## ENSG00000112941.14	2563
## ENSG00000251365.6	4
## ENSG00000272071.1	2
## ENSG00000283420.1	0

## ENSG00000250974.4	3
## ENSG00000200243.1	0
## ENSG00000250060.2	0
## ENSG00000212258.1	0
## ENSG00000287790.1	8
## ENSG00000286254.1	0
## ENSG00000237611.2	0
## ENSG00000285689.1	0
## ENSG00000248775.1	0
## ENSG00000290510.1	0
## ENSG00000251250.4	0
## ENSG00000205976.4	2
## ENSG00000251678.1	0
## ENSG00000250668.2	0
## ENSG00000249638.1	0
## ENSG00000249865.1	0
## ENSG00000223597.3	0
## ENSG00000078295.17	2528
## ENSG00000250761.2	0
## ENSG00000215217.7	232
## ENSG00000124275.15	2525
## ENSG00000124279.12	1353
## ENSG00000251168.1	0
## ENSG00000199773.1	0
## ENSG00000287947.1	0
## ENSG00000280338.1	0
## ENSG00000280251.1	0
## ENSG00000249486.1	0
## ENSG00000288002.1	0
## ENSG00000245729.2	0
## ENSG00000249159.6	0
## ENSG00000251549.2	0
## ENSG00000272049.1	0
## ENSG00000247516.8	5
## ENSG00000250037.1	0
## ENSG00000279075.1	0
## ENSG00000284000.1	0
## ENSG00000249782.2	0
## ENSG00000279097.1	0
## ENSG00000279264.1	0
## ENSG00000250389.1	0
## ENSG00000248765.1	0
## ENSG00000279002.1	0
## ENSG00000280373.1	0
## ENSG00000279125.1	0
## ENSG00000280438.1	0
## ENSG00000278877.1	0
## ENSG00000260981.1	0
## ENSG00000280185.1	0
## ENSG00000250198.5	0
## ENSG00000279635.1	0
## ENSG00000250619.1	0
## ENSG00000112902.12	526
## ENSG00000266415.1	0

## ENSG00000248537.1	0
## ENSG00000279698.1	0
## ENSG00000251370.1	0
## ENSG00000250001.1	0
## ENSG00000250786.4	149
## ENSG00000239112.1	0
## ENSG00000248525.2	0
## ENSG00000169777.7	2
## ENSG00000249781.7	2
## ENSG00000222054.1	0
## ENSG00000286556.1	0
## ENSG00000250814.3	0
## ENSG00000279011.1	0
## ENSG00000279755.1	0
## ENSG00000278874.1	0
## ENSG00000280016.1	0
## ENSG00000249807.1	0
## ENSG00000280449.1	0
## ENSG00000280368.1	0
## ENSG00000260515.1	0
## ENSG00000271998.1	0
## ENSG00000272417.1	6
## ENSG00000150756.14	1436
## ENSG00000248968.1	4
## ENSG00000150753.12	47653
## ENSG00000271980.1	6
## ENSG00000271715.1	0
## ENSG00000164237.9	7633
## ENSG00000252341.1	0
## ENSG00000259802.3	232
## ENSG00000252671.1	0
## ENSG00000280369.1	0
## ENSG00000145495.17	13772
## ENSG00000250600.2	0
## ENSG00000145491.12	78
## ENSG00000277073.1	0
## ENSG00000246016.2	2
## ENSG00000244361.1	0
## ENSG00000249166.1	0
## ENSG00000249396.2	9
## ENSG00000249160.4	0
## ENSG00000280017.1	0
## ENSG00000279450.1	0
## ENSG00000164236.12	15611
## ENSG00000250106.1	1
## ENSG00000251196.1	0
## ENSG00000251548.1	2
## ENSG00000279979.1	0
## ENSG00000278865.1	0
## ENSG00000112977.16	13030
## ENSG00000272324.5	1
## ENSG00000250576.1	11
## ENSG00000169862.21	14656
## ENSG00000207312.1	0

## ENSG00000212305.1	0
## ENSG00000248783.1	0
## ENSG00000248131.6	0
## ENSG00000288967.1	0
## ENSG00000251112.2	0
## ENSG00000249053.1	0
## ENSG00000248457.1	0
## ENSG00000248145.2	0
## ENSG00000242608.1	0
## ENSG00000248462.1	0
## ENSG00000243744.2	0
## ENSG00000039139.11	568
## ENSG00000251423.3	0
## ENSG00000038382.23	9118
## ENSG00000287581.1	0
## ENSG00000145569.6	2720
## ENSG00000248791.1	9
## ENSG00000250526.1	8
## ENSG00000250182.3	1111
## ENSG00000261360.3	10
## ENSG00000154124.6	3494
## ENSG00000154122.14	1797
## ENSG00000286970.1	16
## ENSG00000249485.1	57
## ENSG00000264792.1	0
## ENSG00000272057.1	0
## ENSG00000249928.2	0
## ENSG00000250662.1	0
## ENSG00000250247.1	0
## ENSG00000286441.1	0
## ENSG00000202269.1	0
## ENSG00000249332.2	0
## ENSG00000248834.2	0
## ENSG00000286377.1	0
## ENSG00000248699.1	1
## ENSG00000183580.10	1280
## ENSG00000250250.2	0
## ENSG00000216077.3	0
## ENSG00000222312.1	0
## ENSG00000183654.9	66
## ENSG00000250981.3	0
## ENSG00000250448.1	2
## ENSG00000248403.1	0
## ENSG00000248150.1	0
## ENSG00000249737.1	0
## ENSG00000173545.5	5155
## ENSG00000289112.2	11
## ENSG00000154153.15	6435
## ENSG00000246214.3	6
## ENSG00000250415.1	5
## ENSG00000201370.1	0
## ENSG00000145555.15	17066
## ENSG00000253093.1	0
## ENSG00000243538.1	3

## ENSG00000201436.1	0
## ENSG00000176788.9	18277
## ENSG00000215196.5	6
## ENSG00000271892.1	0
## ENSG00000206814.1	0
## ENSG00000251990.1	0
## ENSG00000250816.1	2
## ENSG00000252908.1	0
## ENSG00000185296.8	0
## ENSG00000201715.1	0
## ENSG00000293060.1	13
## ENSG00000223361.6	0
## ENSG00000248223.1	0
## ENSG00000249199.2	14
## ENSG00000250822.1	0
## ENSG00000248455.8	0
## ENSG00000249662.7	0
## ENSG00000268799.4	1
## ENSG00000250667.1	0
## ENSG00000284373.1	0
## ENSG00000248205.1	0
## ENSG00000249620.1	1
## ENSG00000284439.1	0
## ENSG00000284283.1	0
## ENSG00000284234.1	0
## ENSG00000284042.1	0
## ENSG00000284465.1	0
## ENSG00000250088.1	0
## ENSG00000283967.1	0
## ENSG00000283988.1	0
## ENSG00000284356.1	0
## ENSG00000248422.1	0
## ENSG00000249282.1	0
## ENSG00000283740.2	8
## ENSG00000249156.2	1
## ENSG00000271296.1	0
## ENSG00000250351.1	0
## ENSG00000250386.1	7
## ENSG00000283776.1	0
## ENSG00000250782.1	0
## ENSG00000248471.2	0
## ENSG00000248160.1	0
## ENSG00000248542.2	0
## ENSG00000248337.1	0
## ENSG00000269466.4	7
## ENSG00000274832.1	0
## ENSG00000250715.1	0
## ENSG00000249937.9	0
## ENSG00000293053.1	0
## ENSG00000240785.3	3
## ENSG00000212278.1	0
## ENSG00000241552.3	0
## ENSG00000248693.1	0
## ENSG00000249191.1	0

## ENSG00000249927.1	0
## ENSG00000249285.1	0
## ENSG00000276764.1	0
## ENSG00000249174.1	0
## ENSG00000251487.1	0
## ENSG00000242654.1	0
## ENSG00000249557.2	0
## ENSG00000145526.12	84
## ENSG00000248766.2	0
## ENSG00000214132.4	1
## ENSG00000249854.3	0
## ENSG00000249490.2	0
## ENSG00000251629.7	0
## ENSG00000248308.1	0
## ENSG00000286751.1	6
## ENSG00000248286.1	0
## ENSG00000249359.3	1
## ENSG00000291102.1	361
## ENSG00000183666.20	0
## ENSG00000233974.3	2
## ENSG00000272130.1	3
## ENSG00000253766.1	2
## ENSG00000154162.15	5472
## ENSG00000213430.6	179
## ENSG00000253104.1	0
## ENSG00000290530.1	0
## ENSG00000168967.15	0
## ENSG00000287471.1	0
## ENSG00000249206.2	0
## ENSG00000286961.2	1
## ENSG00000249404.1	0
## ENSG00000250319.1	0
## ENSG00000206912.1	0
## ENSG00000250332.1	0
## ENSG00000249289.1	0
## ENSG00000164256.11	14
## ENSG00000248591.1	0
## ENSG00000249607.1	0
## ENSG00000248874.5	0
## ENSG00000252083.1	0
## ENSG00000234865.3	0
## ENSG00000200600.1	0
## ENSG00000286134.2	11
## ENSG00000226432.3	1
## ENSG00000250694.1	0
## ENSG00000277455.1	0
## ENSG00000287199.1	0
## ENSG00000040731.10	897
## ENSG00000251294.1	0
## ENSG00000249562.1	0
## ENSG00000286454.1	0
## ENSG00000250099.1	0
## ENSG00000286238.1	0
## ENSG00000248156.2	0

## ENSG00000223004.1	0
## ENSG00000248908.1	0
## ENSG00000250524.1	0
## ENSG00000199911.1	0
## ENSG00000251273.4	1
## ENSG00000245662.4	3
## ENSG00000285042.1	0
## ENSG00000251654.2	0
## ENSG00000260761.1	0
## ENSG00000279671.1	0
## ENSG00000248605.5	0
## ENSG00000279531.1	0
## ENSG00000201016.1	0
## ENSG00000279869.1	0
## ENSG00000251593.1	4
## ENSG00000286625.1	0
## ENSG00000222560.1	0
## ENSG00000249099.1	0
## ENSG00000286204.1	0
## ENSG00000230571.2	0
## ENSG00000248426.1	0
## ENSG00000250703.1	0
## ENSG00000251033.1	0
## ENSG00000249616.1	0
## ENSG00000113100.10	2
## ENSG00000207261.1	0
## ENSG00000250337.10	3213
## ENSG00000248490.2	0
## ENSG00000250079.1	0
## ENSG00000249785.3	0
## ENSG00000250453.2	0
## ENSG00000286432.1	0
## ENSG00000252867.1	0
## ENSG00000270495.1	0
## ENSG00000259786.7	0
## ENSG00000271035.1	0
## ENSG00000162685.6	0
## ENSG00000226400.2	0
## ENSG00000277878.1	0
## ENSG00000249226.1	0
## ENSG00000252601.1	0
## ENSG00000248687.2	0
## ENSG00000270430.1	0
## ENSG00000286182.1	0
## ENSG00000248391.6	0
## ENSG00000276098.1	0
## ENSG00000248418.2	0
## ENSG00000250984.1	0
## ENSG00000249744.1	0
## ENSG00000233787.3	0
## ENSG00000223136.1	0
## ENSG00000280305.1	0
## ENSG00000250587.2	0
## ENSG00000250118.1	0

```
## ENSG00000287176.1      65
## ENSG00000287940.1      0
## ENSG00000241668.2      5
## ENSG00000253940.1      0
## ENSG00000289601.1      2
## ENSG00000254138.1      0
## ENSG00000113361.13    56432
## ENSG00000250482.3      0
## ENSG00000113360.17    10182
## ENSG00000206682.1      0
## ENSG00000082213.18    5468
## ENSG00000279923.1      18
## ENSG00000199765.1      0
## ENSG00000133401.16    237
## ENSG00000248624.1      0
## ENSG00000248878.1      0
## ENSG00000249114.1      0
## ENSG00000248813.1      0
## ENSG00000248378.1      0
## ENSG00000250164.1      0
## ENSG00000249688.1      0
## ENSG00000252373.1      0
## ENSG00000224282.3      2
## ENSG00000251887.2      0
## ENSG00000241739.1      0
## ENSG00000243914.1      0
## ENSG00000214108.4      0
## ENSG00000249774.1      1
## ENSG00000266243.1      0
## ENSG00000250764.1      1
## ENSG00000113384.14    10436
## ENSG00000200065.1      0
## ENSG00000272086.2      74
## ENSG00000230829.3      0
## [ reached getOption("max.print") -- omitted 46575 rows ]
```

To get the number of genes that is for the raw counts data, we use the `dim` function on a matrix. We see that there are 63241 genes for the 6 samples.

```
dim(counts)
```

```
## [1] 63241      6
```

Here we can see the rows of the counts matrix that was generated by our nextflow pipeline.

Pre-filtering the raw counts

We need to pre-filter the raw counts so that we eliminate the genes that are not informative (i.e., have too low amount of counts). We can determine the threshold count depending on our data from `counts.csv`.

```
smallestGroupSize <- 3
keep <- rowSums(counts >= 5) >= smallestGroupSize
filt_counts <- counts[keep,]
filt_counts
```

```
##               control_rep2 exp_rep1 control_rep1 exp_rep2 exp_rep3
## ENSG00000227232.6         146      164         150      200      212
```

## ENSG00000233750.3	5	6	3	9	4
## ENSG00000268903.1	45	54	56	70	57
## ENSG00000269981.1	22	27	39	41	44
## ENSG00000241860.7	16	36	35	37	22
## ENSG00000279457.4	72	100	99	121	113
## ENSG00000292994.1	24	22	31	31	27
## ENSG00000290385.1	30	41	31	64	25
## ENSG00000293331.1	5	21	14	13	9
## ENSG00000225972.1	1018	1577	1478	1682	2070
## ENSG00000225630.1	755	1034	788	1075	1203
## ENSG00000237973.1	364	467	374	509	555
## ENSG00000229344.1	31	39	25	53	80
## ENSG00000248527.1	3331	4201	4425	4623	5787
## ENSG00000198744.5	43	56	63	85	113
## ENSG00000291215.1	110	129	112	151	88
## ENSG00000237491.10	17	27	20	26	23
## ENSG00000225880.6	29	31	52	47	50
## ENSG00000228794.12	1751	2359	1996	2288	2109
## ENSG00000272438.1	22	27	21	30	28
## ENSG00000230699.2	102	102	104	133	134
## ENSG00000223764.2	88	81	75	109	124
## ENSG00000187634.13	93	59	90	53	148
## ENSG00000188976.11	10656	11524	11020	11209	13440
## ENSG00000187961.15	258	361	343	411	341
## ENSG00000187583.11	103	149	116	143	126
## ENSG00000272512.1	21	22	16	42	25
## ENSG00000188290.11	438	366	450	426	713
## ENSG00000187608.10	588	493	614	501	581
## ENSG00000224969.1	4	12	6	9	8
## ENSG00000188157.15	50969	60960	51916	58940	69113
## ENSG00000291156.1	63	80	82	71	64
## ENSG00000217801.13	5	10	14	11	10
## ENSG00000237330.3	32	30	41	41	42
## ENSG00000131591.18	831	884	846	911	1227
## ENSG00000285812.1	7	14	17	26	11
## ENSG00000272141.1	5	5	9	7	8
## ENSG00000205231.1	14	2	17	11	11
## ENSG00000162571.14	14	14	19	12	9
## ENSG00000186891.14	6	1	6	2	3
## ENSG00000078808.20	8868	10421	9515	11091	12066
## ENSG00000176022.7	2456	2746	2573	2700	3260
## ENSG00000184163.3	29	25	29	27	42
## ENSG00000260179.1	3	9	11	4	13
## ENSG00000160087.21	2878	3397	3090	3538	3920
## ENSG00000230415.1	5	3	8	6	4
## ENSG00000162572.21	39	42	60	48	60
## ENSG00000131584.19	2253	2332	2382	2537	2544
## ENSG00000169972.13	863	842	826	913	1177
## ENSG00000127054.22	4423	4567	4640	4884	5568
## ENSG00000240731.1	36	51	47	60	40
## ENSG00000224051.7	1137	1165	1028	1073	1469
## ENSG00000169962.5	26	18	13	21	23
## ENSG00000107404.21	3028	3004	3037	3327	3686
## ENSG00000162576.17	1945	1127	1921	1188	2037

## ENSG00000175756.14	3720	3793	3772	3790	5235
## ENSG00000221978.13	2076	2747	2614	3320	2565
## ENSG00000224870.9	1060	1253	1240	1374	1344
## ENSG00000242485.6	3604	4424	3951	4324	4950
## ENSG00000272455.1	138	167	146	192	145
## ENSG00000235098.9	439	439	509	443	612
## ENSG00000225905.1	5	7	9	8	9
## ENSG00000205116.4	111	146	149	114	135
## ENSG00000225285.1	36	43	50	57	55
## ENSG00000179403.12	3702	4796	3807	4660	5514
## ENSG00000215915.10	47	91	67	124	69
## ENSG00000160072.20	1491	1596	1519	1625	1838
## ENSG00000197785.14	2874	3005	3000	2811	3941
## ENSG00000205090.10	92	65	98	81	139
## ENSG00000160075.12	6563	8005	7171	7624	8671
## ENSG00000215014.5	35	53	37	31	51
## ENSG00000228594.4	521	462	536	445	658
## ENSG00000286989.1	6	9	9	8	8
## ENSG00000272106.1	136	160	134	160	196
## ENSG00000197530.13	1182	1374	1262	1398	1735
## ENSG00000248333.9	2256	2530	2535	2558	2696
## ENSG00000189339.12	6218	7367	6882	8047	7135
## ENSG00000293187.1	53	80	72	87	54
## ENSG00000269737.3	20	21	31	45	18
## ENSG00000008128.23	126	147	150	212	145
## ENSG00000268575.1	97	142	158	135	140
## ENSG00000293188.1	128	202	194	212	159
## ENSG00000290854.1	122	137	132	143	136
## ENSG00000008130.15	4031	4419	4480	5021	4851
## ENSG00000078369.19	34513	40798	41086	41117	42896
## ENSG00000231050.3	7	12	8	9	13
## ENSG00000169885.10	2	7	1	11	5
## ENSG00000178821.13	161	167	178	168	248
## ENSG00000142609.20	25	24	28	18	34
## ENSG00000067606.17	2782	3286	2981	3025	3293
## ENSG00000182873.5	157	182	193	223	218
## ENSG00000162585.17	2314	2242	2255	2231	3151
## ENSG00000157933.11	4508	5119	5198	5230	5887
## ENSG00000287356.1	59	57	57	89	82
## ENSG00000116151.14	282	419	371	364	312
## ENSG00000292993.1	132	118	151	156	151
## ENSG00000157916.20	4615	5876	5285	5972	5778
## ENSG00000157911.11	1176	1292	1178	1175	1470
## ENSG00000149527.18	16	13	20	15	13
## ENSG00000157881.16	1373	1523	1487	1496	1638
## ENSG00000272449.3	16	20	22	23	32
## ENSG00000157873.18	23	35	31	33	37
## ENSG00000225931.3	7	7	4	10	3
## ENSG00000228037.1	3	6	1	8	3
## ENSG00000157870.17	2632	2975	2861	3043	3607
## ENSG00000177133.14	647	582	652	648	811
## ENSG00000142611.17	3170	3087	3436	3192	3145
## ENSG00000272235.1	13	7	8	13	16
## ENSG00000287828.1	14	15	26	15	27

## ENSG00000286518.1	4	6	6	0	7
## ENSG00000130762.15	1946	2414	2146	2474	2446
## ENSG00000272088.1	5	5	5	6	10
## ENSG00000162591.17	4525	5093	4538	5000	6371
## ENSG00000238260.3	2	14	8	10	10
## ENSG00000158109.15	5709	6349	6233	6516	6878
## ENSG00000116213.16	1106	1434	1303	1654	1619
## ENSG00000078900.16	78	93	102	114	102
## ENSG00000293478.1	1270	1504	1641	1671	1635
## ENSG00000162592.10	8	10	10	9	10
## ENSG00000235169.11	104	120	105	91	159
## ENSG00000130764.10	4288	4889	4914	5303	5664
## ENSG00000266075.2	1	5	1	5	4
## ENSG00000272153.1	21	23	18	28	24
## ENSG00000116198.14	2534	3001	2770	3041	2719
## ENSG00000169598.17	834	999	886	1048	976
## ENSG00000198912.12	1322	1717	1626	1941	1846
## ENSG00000236423.8	19	40	27	43	33
## ENSG00000196581.11	32	26	42	43	44
## ENSG00000131697.18	633	717	835	809	778
## ENSG00000069424.16	259	177	256	210	305
## ENSG00000116254.18	13	12	14	13	10
## ENSG00000116251.11	15829	20625	17200	18164	17329
## ENSG00000226944.1	20	13	21	20	38
## ENSG00000158286.13	182	271	272	346	221
## ENSG00000116237.16	12406	15473	14025	14838	14516
## ENSG00000225077.3	41	24	38	32	39
## ENSG00000158292.7	633	633	788	659	968
## ENSG00000097021.21	6024	6859	6611	6483	9527
## ENSG00000069812.11	353	550	445	626	515
## ENSG00000187017.18	679	1139	796	1044	1000
## ENSG00000215788.11	160	216	235	268	217
## ENSG00000171680.23	1585	1697	1751	1809	1919
## ENSG00000162408.11	1662	1670	1954	1899	1515
## ENSG00000204859.13	684	776	795	756	926
## ENSG00000162413.17	2816	3165	3118	3067	3743
## ENSG00000116273.6	2740	3086	3248	3288	3494
## ENSG00000041988.16	805	1002	905	1178	1151
## ENSG00000007923.17	4216	5025	4757	4951	4752
## ENSG00000237436.1	18	7	8	11	11
## ENSG00000171735.21	2884	3827	3460	3902	3923
## ENSG00000270035.1	5	7	9	6	4
## ENSG00000269978.1	10	11	7	9	8
## ENSG00000049245.13	9521	12421	10385	11135	11045
## ENSG00000269925.1	22	32	26	36	27
## ENSG00000049246.15	163	149	215	190	164
## ENSG00000049249.10	2245	3055	2675	2732	2274
## ENSG00000116288.13	14268	16934	15811	17006	18374
## ENSG00000284747.1	7	12	16	22	11
## ENSG00000116285.13	9986	17203	12761	17506	11779
## ENSG00000162426.16	67	40	80	48	95
## ENSG00000142599.20	6612	7538	7748	7598	8026
## ENSG00000074800.16	172263	180244	183187	176889	229020
## ENSG00000238249.2	4	5	3	5	13

## ENSG00000197241.4	3	3	5	6	5
## ENSG00000142583.18	11	7	18	13	11
## ENSG00000180758.12	403	487	463	445	418
## ENSG00000228526.8	146	325	235	356	233
## ENSG00000234546.5	99	186	118	146	161
## ENSG00000049239.13	4692	6158	5713	6435	5297
## ENSG00000171621.14	822	912	1026	954	1029
## ENSG00000284693.2	13	11	8	11	19
## ENSG00000171612.7	1991	2601	2312	2521	2459
## ENSG00000231181.1	18	34	32	45	28
## ENSG00000188807.13	2005	2120	2139	1950	2904
## ENSG00000171608.18	1028	1111	1196	1068	1330
## ENSG00000231789.4	133	101	139	79	181
## ENSG00000171603.18	16671	20562	18636	20432	20924
## ENSG00000178585.15	8178	13801	8808	13117	11499
## ENSG00000162441.12	4596	6811	5334	6186	5225
## ENSG00000228150.1	6	12	23	23	24
## ENSG00000173614.14	1164	1501	1303	1493	1348
## ENSG00000162444.12	30	27	37	37	32
## ENSG00000130939.20	9261	11240	10711	11057	9818
## ENSG00000054523.20	10394	12391	12346	12090	10178
## ENSG00000284735.1	19	18	24	12	23
## ENSG00000284642.1	23	21	32	36	29
## ENSG00000142657.21	29442	33151	32912	30846	36785
## ENSG00000251503.8	22	22	11	22	22
## ENSG00000175279.22	144	206	144	115	146
## ENSG00000241563.4	3	3	3	8	11
## ENSG00000160049.12	7665	8747	9173	9115	8220
## ENSG00000142655.13	1667	1988	1975	2013	2389
## ENSG00000130940.15	1335	1614	1538	1597	1332
## ENSG00000272078.1	33	48	26	26	45
## ENSG00000175262.15	82	42	91	42	72
## ENSG00000120948.19	18685	22621	21760	22176	21178
## ENSG00000009724.18	74	92	78	106	75
## ENSG00000116649.10	7352	7834	7910	7269	11118
## ENSG00000171824.14	5323	6175	6120	6632	6258
## ENSG00000230337.3	9	7	10	11	8
## ENSG00000198793.14	7652	8871	8959	9546	8068
## ENSG00000171819.5	4	5	10	13	7
## ENSG00000120942.14	1956	2398	2220	2359	2357
## ENSG00000204624.8	181	129	219	108	204
## ENSG00000116661.11	1257	1599	1392	1698	2010
## ENSG00000132879.14	1234	1407	1227	1478	1734
## ENSG00000116670.16	4103	4133	4145	4467	5623
## ENSG00000116663.11	138	177	128	159	177
## ENSG00000162490.7	756	871	851	853	971
## ENSG00000177674.16	2521	2626	2575	2691	3349
## ENSG00000177000.13	1242	1370	1353	1450	1200
## ENSG00000011021.23	917	1127	1184	1370	1062
## ENSG00000175206.11	4	7	12	8	8
## ENSG00000120937.9	2463	4238	3214	4696	4411
## ENSG00000285646.2	31	63	53	42	65
## ENSG00000116685.17	4686	5234	5087	5680	6162
## ENSG00000083444.17	12796	16205	14298	15872	16421

## ENSG00000116688.18	8782	10854	10117	10857	10633
## ENSG00000116691.11	1645	1675	1714	1663	2077
## ENSG00000120949.15	21	15	20	22	19
## ENSG00000028137.19	17	33	22	29	33
## ENSG00000048707.15	3140	4197	3759	4212	3034
## ENSG00000162496.9	2519	3234	2716	3029	3273
## ENSG00000288927.2	43	52	53	33	45
## ENSG00000272482.2	9	7	10	4	5
## ENSG00000157330.10	33	32	43	27	31
## ENSG00000116726.5	8	5	5	11	6
## ENSG00000179172.10	10	10	8	13	21
## ENSG00000179412.11	8	6	4	7	8
## ENSG00000162494.6	88	74	126	69	96
## ENSG00000162493.17	1192	615	1390	757	1424
## ENSG00000116731.23	3601	4685	4244	4852	3971
## ENSG00000189337.17	738	840	922	937	1009
## ENSG00000175147.13	48	63	68	91	48
## ENSG00000171729.14	1056	1486	1301	1609	1363
## ENSG00000142621.21	234	239	255	260	274
## ENSG00000236045.1	3	4	6	7	7
## ENSG00000228140.2	4	4	11	13	9
## ENSG00000142634.13	1524	1571	1600	1598	2004
## ENSG00000215704.10	4	11	3	7	15
## ENSG00000132906.18	983	1123	1110	1216	1222
## ENSG00000116138.13	2186	3133	2873	3260	2637
## ENSG00000116771.6	710	830	756	751	813
## ENSG00000237301.1	2	5	6	8	5
## ENSG00000235084.3	11	10	11	11	20
## ENSG00000197312.13	4638	6243	5857	6689	4694
## ENSG00000116786.13	4721	4835	5118	5097	5797
## ENSG00000237938.5	2	11	6	3	1
## ENSG00000162461.8	5	10	18	20	18
## ENSG00000162460.7	51	63	60	74	83
## ENSG00000162458.13	8750	11407	9885	11879	11611
## ENSG00000224321.1	22	24	16	33	41
## ENSG00000233954.7	798	980	914	1168	1226
## ENSG00000178715.8	49	49	49	75	83
## ENSG00000179743.4	199	195	217	191	198
## ENSG00000065526.13	7941	9815	9181	9807	7958
## ENSG00000116809.12	1789	1977	1915	2042	2325
## ENSG00000173641.18	15	67	54	99	61
## ENSG00000186510.12	19	15	7	10	20
## ENSG00000232456.1	7	4	9	5	10
## ENSG00000184908.20	52	41	49	52	60
## ENSG00000185519.9	66	55	98	62	129
## ENSG00000142627.13	9582	15750	10758	16673	15796
## ENSG00000227959.2	18	16	19	27	23
## ENSG00000224621.1	12	24	7	12	5
## ENSG00000142632.17	1882	1579	1983	1730	2110
## ENSG00000291077.1	9	7	10	6	8
## ENSG00000288398.1	403	438	431	438	507
## ENSG00000132881.12	297	316	366	323	367
## ENSG00000037637.11	2446	3044	3014	3363	2890
## ENSG00000055070.17	10150	13027	11637	13029	13673

## ENSG00000226457.1	2	4	5	7	3
## ENSG00000157191.20	3989	5347	4385	5326	5260
## ENSG00000226029.1	14	36	36	29	38
## ENSG00000290842.1	41	70	59	46	47
## ENSG00000233421.5	40	44	46	52	41
## ENSG00000219481.11	1113	1362	1335	1465	1209
## ENSG00000291072.1	312	357	372	443	330
## ENSG00000215908.12	61	75	92	108	66
## ENSG00000186301.8	37	27	36	41	30
## ENSG00000236698.1	57	66	74	53	78
## ENSG00000058453.17	715	579	727	662	823
## ENSG00000290851.1	18	36	26	36	17
## ENSG00000228549.5	124	146	189	152	192
## ENSG00000238142.4	37	27	49	38	49
## ENSG00000117122.14	4818	4615	5060	4753	6399
## ENSG00000159363.19	5442	5745	5763	5540	7342
## ENSG00000117118.11	2853	3548	3415	3809	3639
## ENSG00000117115.13	15	19	21	28	26
## ENSG00000142619.4	10	2	11	4	5
## ENSG00000179051.14	18761	24209	22853	26186	22694
## ENSG00000290096.1	4	6	4	7	5
## ENSG00000074964.17	1561	2131	1824	2407	2038
## ENSG00000117148.8	43	39	26	42	42
## ENSG00000117154.12	61	38	71	44	61
## ENSG00000179023.9	98	152	103	180	141
## ENSG00000159423.17	3000	2876	3041	2577	3885
## ENSG00000169991.11	2932	3364	3583	3100	2884
## ENSG00000272084.1	19	22	14	13	27
## ENSG00000127481.15	11030	14666	12878	15122	11397
## ENSG00000230424.3	27	30	32	30	38
## ENSG00000127463.16	10242	13615	11738	13551	12369
## ENSG00000053372.5	5175	5817	5587	5761	6321
## ENSG00000286064.1	41	65	64	64	62
## ENSG00000211454.16	20	14	22	15	18
## ENSG00000162482.5	20	17	27	20	34
## ENSG00000270728.1	113	117	140	154	123
## ENSG00000053371.13	3217	3181	3288	3212	4233
## ENSG00000040487.13	1656	1906	1794	2027	2450
## ENSG00000077549.19	19232	23696	22107	22917	25053
## ENSG00000173436.15	1327	1538	1509	1538	1603
## ENSG00000158747.15	1253	1237	1482	1215	1805
## ENSG00000226396.1	44	55	65	57	100
## ENSG00000158748.4	28	23	28	19	20
## ENSG00000162542.14	655	812	700	904	778
## ENSG00000178828.7	2	7	8	10	14
## ENSG00000169914.6	1329	1862	1887	2226	1277
## ENSG00000188257.12	7	20	15	21	17
## ENSG00000187980.7	10	4	7	9	4
## ENSG00000162543.6	705	687	797	710	738
## ENSG00000158816.16	19	19	23	19	22
## ENSG00000162545.6	3187	3341	4063	3352	3842
## ENSG00000289402.2	17	15	21	12	26
## ENSG00000090432.7	2535	2970	2732	2898	3249
## ENSG00000183114.8	21	6	28	7	43

## ENSG00000158825.6	8	6	5	8	4
## ENSG00000158828.8	690	758	740	886	861
## ENSG00000117242.7	652	827	666	822	801
## ENSG00000244038.11	29770	40636	33900	43068	40498
## ENSG00000117245.13	116	57	95	43	88
## ENSG00000189410.12	78	59	71	67	85
## ENSG00000127483.19	8243	10461	9968	11091	9267
## ENSG00000075151.24	9755	12773	12144	13837	10615
## ENSG00000117298.16	9444	10511	10285	10502	11381
## ENSG00000231105.2	5	4	1	10	6
## ENSG00000227001.3	52	45	45	64	50
## ENSG00000187952.9	36	22	22	25	32
## ENSG00000142794.19	494	607	573	660	566
## ENSG00000162551.14	876	444	1114	443	1061
## ENSG00000076864.21	1082	988	1337	1220	1409
## ENSG00000090686.16	4344	5382	5180	5441	4558
## ENSG00000187942.12	17	20	23	23	17
## ENSG00000142798.20	99577	138697	103028	124719	130399
## ENSG00000219073.8	24	19	29	18	22
## ENSG00000142789.20	38	30	37	22	29
## ENSG00000218510.9	68	86	70	87	85
## ENSG00000285752.1	9	7	21	18	18
## ENSG00000070831.18	219	313	257	310	256
## ENSG00000162552.15	250	225	291	234	339
## ENSG00000285873.1	11	7	11	6	7
## ENSG00000184677.18	2996	3831	3555	3980	2999
## ENSG00000070886.12	75	49	59	55	85
## ENSG00000133216.17	10256	10198	11316	10365	12186
## ENSG00000004487.18	30651	34867	34588	35409	35540
## ENSG00000169641.15	8555	10555	10088	9999	8834
## ENSG00000179546.5	176	190	153	161	198
## ENSG00000261326.5	70	101	87	111	83
## ENSG00000284726.1	8	8	12	9	16
## ENSG00000125944.22	18974	23542	23458	23821	21387
## ENSG00000125945.16	1456	1887	1723	1775	1657
## ENSG00000249087.9	102	126	135	191	143
## ENSG00000204219.11	569	654	735	632	806
## ENSG00000088280.21	6192	6128	6597	5825	6966
## ENSG00000007968.7	865	678	1097	738	1076
## ENSG00000235052.1	7	7	11	8	6
## ENSG00000117318.9	5948	5217	6446	5939	8890
## ENSG00000142676.14	63886	73964	78942	76689	81997
## ENSG00000236810.8	48	46	62	62	39
## ENSG00000011007.13	4478	5548	5007	5362	5258
## ENSG00000057757.10	2661	3286	3161	3460	3302
## ENSG00000011009.11	11453	13383	11975	13390	16416
## ENSG00000117308.15	2614	3318	2844	3529	3687
## ENSG00000117305.15	1863	2472	2252	2692	2437
## ENSG00000179163.12	2082	2863	2431	2812	2363
## ENSG00000189266.13	12533	16769	14664	16190	13935
## ENSG00000188529.15	9547	12345	11606	11078	10610
## ENSG00000225315.2	2	8	6	6	1
## ENSG00000142661.19	19	14	7	16	15
## ENSG00000142677.4	45	35	45	41	30

## ENSG00000185436.12	1527	1922	1756	2062	1720
## ENSG00000158055.17	361	339	472	379	388
## ENSG00000001460.18	940	1031	1005	1131	1057
## ENSG00000001461.17	1679	2186	2024	2547	1870
## ENSG00000286061.1	9	18	20	14	19
## ENSG00000117602.13	5972	5900	6167	5741	5264
## ENSG00000184454.7	145	148	160	188	151
## ENSG00000133226.19	9652	10763	12075	11362	10328
## ENSG00000169504.15	20828	29122	25183	25255	23773
## ENSG00000117614.10	2874	3755	3369	3720	3315
## ENSG00000284602.1	9	12	10	21	12
## ENSG00000117616.18	396	533	517	644	449
## ENSG00000272432.1	8	3	8	7	10
## ENSG00000261349.1	7	4	13	2	3
## ENSG00000187010.21	5	9	6	7	5
## ENSG00000224183.1	4	3	5	8	7
## ENSG00000183726.11	8029	10938	9214	10468	9994
## ENSG00000188672.19	9	10	8	9	11
## ENSG00000238084.4	6	8	6	8	11
## ENSG00000204178.11	3850	4925	4033	4396	4492
## ENSG00000157978.12	1532	1686	1741	1879	1836
## ENSG00000225643.1	8	4	6	2	2
## ENSG00000117643.16	546	628	634	748	647
## ENSG00000162430.18	18440	20349	20844	21011	23308
## ENSG00000228172.5	19	30	18	17	25
## ENSG00000117640.18	2476	2951	2788	2856	3074
## ENSG00000127423.11	659	802	799	749	759
## ENSG00000182749.6	1210	1390	1437	1367	1526
## ENSG00000117632.23	55402	61279	63182	57700	69456
## ENSG00000158006.14	1317	1767	1622	1824	1505
## ENSG00000158008.10	93	90	96	89	102
## ENSG00000158014.15	74	53	80	54	101
## ENSG00000158022.7	54	18	39	28	54
## ENSG00000175087.10	993	1402	1260	1246	1114
## ENSG00000197245.6	14	11	12	5	17
## ENSG00000282872.2	34	19	34	14	33
## ENSG00000236782.8	26	18	29	33	22
## ENSG00000142675.18	910	1085	1067	1143	1193
## ENSG00000293494.2	39	36	45	41	54
## ENSG00000130695.16	2429	2533	3038	2865	2622
## ENSG00000142669.15	5512	6218	6355	5732	7861
## ENSG00000158062.21	872	884	933	868	1132
## ENSG00000169442.9	7	15	8	10	6
## ENSG00000176092.17	2588	3895	2733	3696	3276
## ENSG00000131914.11	90010	117230	100316	110637	110437
## ENSG00000117682.18	2348	2576	2554	2615	2744
## ENSG00000223583.1	5	6	1	1	0
## ENSG00000198830.12	16166	19304	17261	18132	21929
## ENSG00000117676.14	4849	5783	5152	5932	6130
## ENSG00000260063.1	25	32	21	29	31
## ENSG00000117713.21	11407	12955	13453	14329	12556
## ENSG00000060642.12	773	917	885	1024	887
## ENSG00000204160.12	2745	3232	3022	3169	3361
## ENSG00000175793.12	114	158	104	150	157

## ENSG00000142751.15	1647	1991	2030	2056	2071
## ENSG00000289554.1	35	59	65	65	38
## ENSG00000198746.13	1254	1346	1275	1419	1506
## ENSG00000090273.14	12614	14107	14849	13361	17025
## ENSG00000131910.5	83	72	82	73	103
## ENSG00000175707.10	1022	1231	1140	1310	1224
## ENSG00000253368.4	3243	4209	3534	3862	4162
## ENSG00000158246.8	1571	1815	1710	1769	2161
## ENSG00000090020.11	2611	3123	2991	3172	3348
## ENSG00000214973.3	6	9	5	6	4
## ENSG00000225159.1	36	63	50	49	76
## ENSG00000142784.16	4174	4366	4747	4583	5219
## ENSG00000186501.15	2120	2491	2325	2667	3169
## ENSG00000241547.1	25	23	21	30	28
## ENSG00000142765.18	754	1170	841	1220	1272
## ENSG00000142733.18	320	320	381	363	373
## ENSG00000174950.11	3	1	8	3	8
## ENSG00000181773.7	197	235	186	199	278
## ENSG00000158195.11	11684	14887	13535	14280	13539
## ENSG00000126705.15	2617	2920	3035	3141	3455
## ENSG00000235912.1	19	18	16	26	21
## ENSG00000126709.16	138	40	113	35	44
## ENSG00000009780.16	648	851	891	828	789
## ENSG00000117758.14	2956	3802	3354	3374	3143
## ENSG00000117751.18	5481	6912	6284	7503	6699
## ENSG00000130775.16	104	82	125	90	131
## ENSG00000117748.10	3233	3700	3695	3665	3980
## ENSG00000130768.15	980	1153	1087	1173	1261
## ENSG00000158156.9	1325	1498	1473	1708	1692
## ENSG00000158161.16	4385	5197	5337	5251	4714
## ENSG00000228589.3	61	41	61	62	58
## ENSG00000169403.12	720	1074	1054	1171	795
## ENSG00000126698.11	11649	14573	12462	14345	14560
## ENSG00000290123.1	10	9	17	19	9
## ENSG00000130770.18	3395	4094	4016	4591	4474
## ENSG00000270605.1	26	32	33	41	36
## ENSG00000130766.5	5368	7076	5852	7439	7337
## ENSG00000130772.14	1233	1502	1408	1594	1518
## ENSG00000204138.13	5669	6876	6964	7016	6062
## ENSG00000180198.17	6996	8008	7618	8187	8299
## ENSG00000242125.3	2142	2313	2630	2612	2392
## ENSG00000200087.1	9	37	20	19	19
## ENSG00000279443.1	67	93	70	100	75
## ENSG00000180098.9	1118	1351	1326	1405	1525
## ENSG00000197989.15	164	273	239	322	152
## ENSG00000221539.1	0	4	8	5	6
## ENSG00000120656.14	1461	1690	1642	1809	1778
## ENSG00000188060.8	65	54	85	76	90
## ENSG00000162419.13	1900	2162	2247	2169	1745
## ENSG00000289291.1	57	69	69	87	78
## ENSG00000198492.16	13200	16208	15190	15411	15600
## ENSG00000116329.12	52	29	47	33	34
## ENSG00000159023.23	7800	7930	9109	8047	7780
## ENSG00000225616.2	22	27	14	38	42

## ENSG00000253304.2	1090	1074	1219	1144	1381
## ENSG00000116350.18	6522	7619	7889	8087	7980
## ENSG00000116353.16	1378	1624	1558	1635	1841
## ENSG00000060656.20	8525	11776	9747	12269	12003
## ENSG00000162510.6	9	8	3	2	9
## ENSG00000186056.11	4	17	11	18	10
## ENSG00000162511.8	23	30	27	35	34
## ENSG00000162512.16	6474	6927	7251	6596	7790
## ENSG00000134644.16	11680	14867	14277	15453	13273
## ENSG00000084628.10	3465	2701	3713	2759	4433
## ENSG00000060688.13	4761	5813	5711	6174	5723
## ENSG00000121766.16	5417	6762	6188	6394	6910
## ENSG00000121769.8	745	865	998	973	1060
## ENSG00000168528.12	7385	10052	8591	10659	11553
## ENSG00000215899.3	5	5	5	11	8
## ENSG00000284543.1	5	9	10	14	11
## ENSG00000229167.2	8	12	14	19	11
## ENSG00000142910.16	358	674	616	903	607
## ENSG00000121764.12	4	6	6	6	3
## ENSG00000162517.13	4434	5327	4971	5392	5706
## ENSG00000235790.7	3	6	5	4	11
## ENSG00000084636.18	77	86	104	82	83
## ENSG00000121753.13	622	766	800	707	896
## ENSG00000134668.13	30	47	51	44	39
## ENSG00000184007.22	14384	19486	17222	18199	17503
## ENSG00000121774.18	23477	29362	27679	26180	27335
## ENSG00000121775.18	608	744	803	742	1014
## ENSG00000025800.14	7247	9865	9312	10757	8562
## ENSG00000084652.16	5215	6583	6399	7205	6450
## ENSG00000160050.16	596	530	628	547	760
## ENSG00000160051.12	377	331	427	398	393
## ENSG00000160055.20	433	634	538	564	580
## ENSG00000084623.12	23278	27525	25913	26436	30049
## ENSG00000291132.1	178	157	162	175	192
## ENSG00000290045.1	8	10	14	3	13
## ENSG00000183615.6	53	33	46	32	41
## ENSG00000182866.18	114	112	117	94	112
## ENSG00000116478.12	9392	12472	10772	12617	11616
## ENSG00000175130.7	46884	52844	52598	53810	66692
## ENSG00000225828.2	37	42	41	41	50
## ENSG00000160058.19	5130	7180	5916	7244	6369
## ENSG00000273274.2	228	230	264	224	222
## ENSG00000160062.15	905	1136	1021	1032	882
## ENSG00000176261.16	1491	1723	1699	1859	1857
## ENSG00000162521.19	23643	28623	27624	28109	26534
## ENSG00000162520.15	13	12	11	12	13
## ENSG00000162522.11	10508	12072	12140	12593	12859
## ENSG00000134684.13	13540	15402	15485	15261	16113
## ENSG00000116497.18	2658	3206	3169	3518	2952
## ENSG00000160097.21	199	59	213	98	227
## ENSG00000121905.10	151	45	149	59	172
## ENSG00000121900.19	507	562	624	592	811
## ENSG00000287691.1	8	13	7	12	6
## ENSG00000116514.17	1507	1885	1681	2113	2038

## ENSG00000004455.18	11649	14472	12711	14323	14316
## ENSG00000142920.18	171	205	190	261	217
## ENSG00000278997.1	5	18	7	17	12
## ENSG00000116525.14	328	389	429	369	413
## ENSG00000160094.15	2240	2199	2488	2264	2890
## ENSG00000270115.1	1	6	2	6	3
## ENSG00000225313.5	48	79	60	60	51
## ENSG00000134686.21	9390	10216	10020	10110	12082
## ENSG00000222112.1	4	10	10	7	5
## ENSG00000233246.1	0	10	12	11	9
## ENSG00000121903.15	888	1138	1025	1176	879
## ENSG00000121904.19	45	62	67	93	62
## ENSG00000163866.9	2241	2795	2522	2889	2990
## ENSG00000189433.7	1	6	3	10	4
## ENSG00000188910.8	13	20	18	19	14
## ENSG00000187513.9	42	12	39	15	30
## ENSG00000116544.12	167	112	148	122	166
## ENSG00000284773.1	18	51	46	48	40
## ENSG00000293382.1	16	44	41	27	29
## ENSG00000243749.2	77	96	68	108	94
## ENSG00000163867.17	499	729	626	596	627
## ENSG00000197056.11	1798	2296	2058	2182	1637
## ENSG00000116560.12	30638	39613	34801	37367	36818
## ENSG00000146463.12	11084	13425	12660	13340	11753
## ENSG00000229994.1	45	55	39	34	53
## ENSG00000142687.19	4421	6621	5122	6600	5415
## ENSG00000020129.16	2017	2360	2150	2347	2738
## ENSG00000116819.9	12	13	13	14	15
## ENSG00000126067.12	11987	15175	14672	14579	16407
## ENSG00000142686.8	761	789	972	807	900
## ENSG00000092853.14	2561	2724	3047	2487	2375
## ENSG00000134698.11	1869	2413	2334	2556	1944
## ENSG00000092847.14	8563	10216	9866	10077	8864
## ENSG00000126070.20	1488	1772	1999	1865	1464
## ENSG00000092850.12	193	141	237	171	191
## ENSG00000116863.11	1515	1823	1684	1898	2154
## ENSG00000171812.13	1	2	1	9	10
## ENSG00000054116.12	3387	4861	4035	5164	4638
## ENSG00000116871.16	7840	8457	8635	8489	10223
## ENSG00000054118.15	15210	18956	17580	18152	16993
## ENSG00000214193.11	114	142	127	134	131
## ENSG00000196182.11	4947	6640	5514	6559	6337
## ENSG00000181817.6	1849	1958	1985	2129	2661
## ENSG00000116885.18	904	956	920	966	1054
## ENSG00000116898.12	6840	8015	7055	7808	8284
## ENSG00000119535.20	89	131	117	169	104
## ENSG00000163873.10	189	198	251	164	205
## ENSG00000233621.3	49	59	68	64	81
## ENSG00000163874.11	497	669	556	759	637
## ENSG00000163875.16	3992	4805	4920	4466	4833
## ENSG00000163877.11	1634	1828	1849	1861	1785
## ENSG00000237749.4	21	32	40	52	48
## ENSG00000163879.11	3883	4305	4292	4264	5189
## ENSG00000134697.13	7098	8109	7837	8162	7908

## ENSG00000116922.15	1578	2174	2075	2243	2046
## ENSG00000134690.11	4352	5050	5198	5211	5469
## ENSG00000183317.17	54	61	59	41	72
## ENSG00000185090.15	654	379	696	420	735
## ENSG00000196449.4	1784	2119	2040	2183	2232
## ENSG00000197982.14	1924	1842	1866	1915	2518
## ENSG00000188786.10	1294	1672	1625	1865	1377
## ENSG00000204084.14	976	1086	1295	1265	1162
## ENSG00000183431.12	12140	13949	13241	13729	14442
## ENSG00000212541.1	6	1	5	3	1
## ENSG00000183386.10	955	1135	1094	1115	1418
## ENSG00000183520.12	2969	3580	3305	3491	3301
## ENSG00000185668.8	18	35	36	28	32
## ENSG00000224592.5	16	25	17	26	49
## ENSG00000215895.4	32	30	37	46	46
## ENSG00000116954.8	936	1317	1125	1154	1135
## ENSG00000228436.4	32	28	37	39	44
## ENSG00000214114.9	2186	2666	2405	2508	2455
## ENSG00000174574.16	10767	15982	13054	15896	13757
## ENSG00000168653.11	15773	18512	17592	19226	21423
## ENSG00000127603.32	18743	28413	22264	27600	19805
## ENSG00000183682.8	70	58	102	81	89
## ENSG00000237624.1	6	0	4	7	6
## ENSG00000291129.1	15	14	18	35	21
## ENSG00000090621.15	16208	18848	17910	17287	18753
## ENSG00000228060.3	14	20	15	14	7
## ENSG00000163909.8	41	19	49	15	26
## ENSG00000116983.13	7	9	2	13	9
## ENSG00000084072.17	3764	4425	4158	4645	4910
## ENSG00000116985.12	84	90	102	84	72
## ENSG00000043514.17	2380	2731	2677	2739	2598
## ENSG00000116990.12	1912	2026	2104	2144	2275
## ENSG00000236546.1	9	7	9	9	10
## ENSG00000168389.18	309	321	357	380	438
## ENSG00000228477.1	31	32	45	56	68
## ENSG00000131236.18	26885	34688	30107	34966	32611
## ENSG00000131238.18	12939	16275	13910	15999	15158
## ENSG00000117000.9	4061	5191	4792	5284	3988
## ENSG00000259943.2	306	385	398	380	408
## ENSG00000084073.10	8779	12922	9678	10754	9999
## ENSG00000049089.15	928	1509	1134	1654	1432
## ENSG00000227311.3	21	10	11	23	36
## ENSG00000084070.12	3247	4458	3778	4475	4063
## ENSG00000187801.15	325	366	403	350	344
## ENSG00000260920.2	282	316	348	308	338
## ENSG00000279667.1	5	20	17	12	7
## ENSG00000187815.10	408	527	488	469	485
## ENSG00000238287.1	2	8	6	3	3
## ENSG00000164002.12	307	346	350	364	354
## ENSG00000238186.1	30	35	38	27	37
## ENSG00000117010.17	205	215	227	183	227
## ENSG00000117016.10	1278	906	1413	929	1201
## ENSG00000237899.1	0	3	2	6	7
## ENSG00000272145.2	24	39	34	27	27

## ENSG00000066136.21	2301	2606	2636	2710	3025
## ENSG00000117013.17	83	58	119	66	96
## ENSG00000179862.7	1088	996	1232	1107	1606
## ENSG00000171793.17	9250	10127	11232	9952	10381
## ENSG00000281207.1	25	18	29	31	18
## ENSG00000171790.16	4	25	14	26	20
## ENSG00000010803.17	2905	3221	3392	3245	3548
## ENSG00000291157.1	5	10	5	5	15
## ENSG00000204060.8	173	107	188	137	243
## ENSG00000127129.10	25	12	15	13	16
## ENSG00000127124.16	338	411	356	424	444
## ENSG00000230638.4	4	10	2	8	8
## ENSG00000044012.4	24	17	34	17	53
## ENSG00000197273.4	1	8	5	6	9
## ENSG00000198815.9	4523	5329	5429	5510	4960
## ENSG00000177181.15	275	144	304	151	268
## ENSG00000066185.13	38	33	33	26	39
## ENSG00000127125.9	2194	2662	2301	2664	2521
## ENSG00000186409.19	406	451	457	438	457
## ENSG00000236876.3	17	13	9	17	11
## ENSG00000171960.12	1437	1583	1538	1672	1667
## ENSG00000285728.3	26	54	38	54	27
## ENSG00000065978.19	99370	116119	108725	104369	140152
## ENSG00000164007.11	423	433	505	452	524
## ENSG00000117385.16	5945	6998	6521	7341	8158
## ENSG00000164008.17	463	488	537	500	455
## ENSG00000274386.6	49	53	62	46	62
## ENSG00000177868.12	1243	1409	1347	1347	1550
## ENSG00000164010.15	422	584	596	604	583
## ENSG00000228192.10	164	141	138	144	156
## ENSG00000164011.18	882	929	982	1001	1040
## ENSG00000117394.24	8164	7720	9022	8646	11814
## ENSG00000227533.7	10	2	11	5	10
## ENSG00000186973.11	57	68	66	53	80
## ENSG00000117395.13	5991	6768	6328	6938	7717
## ENSG00000243710.8	121	126	135	101	132
## ENSG00000179178.11	802	1094	958	1099	1144
## ENSG00000253313.6	769	1198	904	1266	987
## ENSG00000066056.14	21	15	19	12	32
## ENSG00000117400.18	16	23	25	11	15
## ENSG00000234694.2	11	8	6	15	18
## ENSG00000117399.14	9148	9681	10139	9609	12632
## ENSG00000066322.15	5786	7057	6513	7052	7659
## ENSG00000288772.2	21	16	11	7	8
## ENSG00000159479.17	2022	2508	2267	2540	2517
## ENSG00000229431.1	0	10	13	9	12
## ENSG00000198198.17	1483	1783	1724	1988	1621
## ENSG00000142949.17	54806	67761	63575	69984	66115
## ENSG00000066135.13	5042	6801	5813	6500	5409
## ENSG00000236200.7	42	63	49	45	63
## ENSG00000126091.21	39	51	44	44	57
## ENSG00000117407.17	12	19	14	15	19
## ENSG00000237950.3	11	17	12	17	13
## ENSG00000288573.3	9	5	1	9	4

## ENSG00000117408.11	3184	3514	3540	3570	3782
## ENSG00000285649.1	8	5	5	4	5
## ENSG00000132768.14	3291	3658	3515	3517	4381
## ENSG00000117410.14	7347	9791	7683	9453	10761
## ENSG00000117411.18	6618	6846	6677	6741	8963
## ENSG00000159214.13	426	422	486	471	507
## ENSG00000196517.13	1521	2130	1917	2262	2207
## ENSG00000230615.8	73	99	109	120	101
## ENSG00000233514.1	20	21	15	21	28
## ENSG00000178028.14	1646	1867	1789	1830	2038
## ENSG00000117419.16	6707	7296	6715	6987	8926
## ENSG00000187147.19	3854	4373	4487	4600	4924
## ENSG00000126106.14	585	647	566	583	691
## ENSG00000198520.12	18	12	16	15	27
## ENSG00000142945.13	3848	3937	4333	4367	4576
## ENSG00000142937.12	96656	121129	107717	122458	140528
## ENSG00000200913.1	9	11	6	16	12
## ENSG00000234093.3	20	27	17	30	41
## ENSG00000142959.5	91	81	93	79	138
## ENSG00000173846.13	486	739	547	914	763
## ENSG00000188396.4	7	8	4	10	6
## ENSG00000222009.9	71	113	99	105	111
## ENSG00000117425.14	33	44	72	67	53
## ENSG00000226499.1	7	10	4	6	12
## ENSG00000070785.17	2110	2480	2333	2327	2489
## ENSG00000126107.15	2461	3083	2920	2887	3094
## ENSG00000126088.14	3507	4051	3624	4001	4817
## ENSG00000162415.7	465	498	662	529	510
## ENSG00000281912.1	14	19	18	27	25
## ENSG00000186603.7	1139	1085	1088	1180	1237
## ENSG00000132781.21	58	102	90	97	84
## ENSG00000132773.12	976	1217	1110	1397	1257
## ENSG00000070759.17	855	1272	1021	1433	961
## ENSG00000280670.3	174	240	201	255	203
## ENSG00000132763.15	1367	1428	1480	1413	1586
## ENSG00000117450.15	36582	47077	39696	44935	46087
## ENSG00000117448.14	9884	10952	10708	10780	12873
## ENSG00000289407.1	30	22	38	27	30
## ENSG00000132780.17	26063	28809	31810	29502	28442
## ENSG00000159588.15	19	28	16	39	23
## ENSG00000159592.11	7757	10454	9657	10672	8631
## ENSG00000234329.1	18	30	19	27	15
## ENSG00000159596.7	1961	2625	2199	2671	2268
## ENSG00000197429.11	1068	1378	1318	1424	1090
## ENSG00000230896.1	103	133	98	113	129
## ENSG00000086015.23	4245	4818	4699	5158	4814
## ENSG00000117461.15	5312	6575	5864	6205	6064
## ENSG00000227857.2	6	5	3	12	3
## ENSG00000117472.10	858	865	875	876	856
## ENSG00000085998.15	6036	7242	6417	7001	7723
## ENSG00000171357.6	8	6	9	10	17
## ENSG00000085999.13	1614	1684	1837	1764	1920
## ENSG00000132128.18	10008	12383	10999	12660	13311
## ENSG00000173660.12	14974	17970	17486	18648	20301

## ENSG00000117481.11	2076	2859	2514	2965	2628
## ENSG00000117480.16	637	644	755	683	641
## ENSG00000291138.1	5	4	2	5	4
## ENSG00000269956.2	7	1	5	6	4
## ENSG00000079277.22	1073	1257	1185	1439	1218
## ENSG00000142961.16	94	102	138	113	119
## ENSG00000123472.13	5159	5867	5834	5843	5989
## ENSG00000159658.15	4989	6250	5920	6507	5003
## ENSG00000186377.8	93	156	231	337	152
## ENSG00000225506.2	15	19	21	16	11
## ENSG00000162367.12	24	10	17	8	14
## ENSG00000123473.17	2203	2518	2589	2632	2313
## ENSG00000162368.15	13851	21601	17107	18686	16107
## ENSG00000225762.1	27	34	25	52	24
## ENSG00000186790.6	46	65	74	73	43
## ENSG00000237424.1	309	518	410	587	505
## ENSG00000186564.6	114	330	161	333	203
## ENSG00000227947.2	3	4	7	8	4
## ENSG00000269113.4	1026	967	1168	997	1244
## ENSG00000225028.1	2	7	6	7	6
## ENSG00000117834.13	13	10	10	10	15
## ENSG00000132122.12	952	1222	1119	1158	1053
## ENSG00000235105.1	21	26	21	23	23
## ENSG00000186094.18	8	9	20	23	22
## ENSG00000162373.13	403	358	419	350	506
## ENSG00000162374.18	232	100	253	73	191
## ENSG00000185104.21	3356	3536	3728	3449	3584
## ENSG00000230585.2	5	6	2	1	3
## ENSG00000123080.12	8	6	17	7	6
## ENSG00000123091.5	7146	9702	9020	8185	8326
## ENSG00000233406.5	17	13	23	21	37
## ENSG00000085831.16	841	923	1097	1035	991
## ENSG00000085832.18	3739	4607	4601	4321	3916
## ENSG00000117859.19	12092	15168	14734	15217	13885
## ENSG00000078618.23	16461	19358	18988	18083	17483
## ENSG00000266993.3	11	18	8	19	10
## ENSG00000169213.7	11582	13350	15085	13259	11076
## ENSG00000117862.13	1446	1766	1544	1934	1686
## ENSG00000198841.4	459	519	497	552	510
## ENSG00000134717.18	9068	11687	10743	11261	10797
## ENSG00000157077.16	5727	7066	6233	6512	5928
## ENSG00000228407.2	28	26	18	29	25
## ENSG00000154222.15	1918	2278	2041	2437	2319
## ENSG00000287078.1	12	6	13	19	8
## ENSG00000224680.4	19	22	23	26	24
## ENSG00000085840.13	2626	2548	2695	2576	2795
## ENSG00000134748.13	5502	6323	6047	5951	5962
## ENSG00000134744.14	4393	5489	5625	6540	4496
## ENSG00000116157.6	1423	1458	1493	1679	1917
## ENSG00000182183.15	12	20	27	17	16
## ENSG00000162377.6	2788	3150	3093	3137	3003
## ENSG00000162378.13	3524	5211	4608	5002	3695
## ENSG00000228929.1	109	99	103	160	156
## ENSG00000203995.11	32	61	61	72	33

## ENSG00000121310.17	520	917	705	995	752
## ENSG00000116171.19	4602	6599	5756	6577	5207
## ENSG00000174348.14	125	58	125	75	93
## ENSG00000162383.13	3	8	9	5	4
## ENSG00000157184.7	1665	2088	1838	2046	2002
## ENSG00000236723.2	5	8	11	11	4
## ENSG00000162384.14	1417	1556	1473	1663	1669
## ENSG00000162385.11	3337	3963	3987	4270	4398
## ENSG00000226754.3	32	32	29	22	26
## ENSG00000157193.18	1008	1042	1270	1188	1102
## ENSG00000058804.12	9525	11879	10736	10774	10347
## ENSG00000058799.15	2844	3398	3238	3424	3567
## ENSG00000211452.12	121	172	203	175	127
## ENSG00000081870.12	1149	1217	1239	1172	1314
## ENSG00000116212.16	5082	5764	5883	5925	6314
## ENSG00000219102.3	22	39	32	31	19
## ENSG00000203985.11	15	20	21	19	15
## ENSG00000116209.12	8923	12352	10644	12394	10974
## ENSG00000116205.14	1010	1266	1290	1326	1187
## ENSG00000215883.11	365	393	396	395	400
## ENSG00000116221.15	7898	8937	8421	8600	9801
## ENSG00000157216.17	7291	7982	8844	7819	9339
## ENSG00000198711.5	20	28	20	29	16
## ENSG00000162390.18	192	182	191	180	148
## ENSG00000162391.12	156	261	174	232	185
## ENSG00000243725.7	234	305	239	315	241
## ENSG00000162396.6	1042	1212	1204	1265	1319
## ENSG00000006555.11	42	67	55	91	46
## ENSG00000116133.13	49757	60363	50458	55135	63137
## ENSG00000233203.6	9	25	17	26	14
## ENSG00000143001.5	26	8	28	13	12
## ENSG00000169174.12	3843	4671	4241	4763	4840
## ENSG00000162402.15	7174	9220	8774	9650	7052
## ENSG00000162407.9	1168	1557	1342	1867	1380
## ENSG00000162409.12	1250	1591	1564	1633	1428
## ENSG00000187889.13	30	27	26	35	24
## ENSG00000157131.12	4	11	7	20	5
## ENSG00000021852.14	5	10	22	23	6
## ENSG00000173406.16	675	1161	856	1343	1009
## ENSG00000162600.12	721	908	819	860	760
## ENSG00000286918.1	8	7	6	8	3
## ENSG00000184292.7	405	260	441	305	384
## ENSG00000185839.3	21	19	25	25	25
## ENSG00000162601.12	1186	1636	1616	1935	979
## ENSG00000177606.9	3011	2954	3386	3096	3435
## ENSG00000234807.8	9	4	7	7	11
## ENSG00000232453.7	12	5	10	3	7
## ENSG00000224609.8	3	3	13	12	10
## ENSG00000172456.18	371	427	432	394	382
## ENSG00000134709.13	4121	4667	5170	4535	3790
## ENSG00000134716.11	91	78	94	77	101
## ENSG00000162598.13	4	6	5	6	2
## ENSG00000162599.18	24	22	35	28	22
## ENSG00000162604.13	777	977	837	954	854

## ENSG00000132849.22	5483	6825	6249	7000	4908
## ENSG00000240563.2	12309	17169	14167	15864	12619
## ENSG00000132854.19	3744	4389	4166	4561	3694
## ENSG00000162607.13	6940	7637	8389	7317	7066
## ENSG00000116641.18	6770	8510	8224	8958	7053
## ENSG00000132855.5	13	29	20	20	17
## ENSG00000235545.1	47	43	45	34	43
## ENSG00000125703.15	879	1059	1049	1034	960
## ENSG00000088035.18	1635	2068	1809	1829	1820
## ENSG00000142856.17	1651	1725	1710	1572	1756
## ENSG00000203965.13	468	559	522	607	534
## ENSG00000116652.6	7	20	12	10	5
## ENSG00000079739.17	3648	3918	4378	3947	4586
## ENSG00000185483.13	2294	2258	2667	2033	2331
## ENSG00000158966.16	5455	5009	6172	5199	5376
## ENSG00000162437.15	3331	3783	3908	3818	3240
## ENSG00000162434.14	5106	5941	5735	5655	5202
## ENSG00000162433.15	8401	13735	10498	14033	10257
## ENSG00000116675.16	1238	1425	1570	1500	1385
## ENSG00000213625.9	4195	6497	4966	6531	4977
## ENSG00000116678.20	1080	1562	1400	1304	1230
## ENSG00000237852.1	2	3	0	8	6
## ENSG00000184588.18	34	49	55	52	52
## ENSG00000118473.23	67	55	74	43	55
## ENSG00000152760.10	63	57	83	36	49
## ENSG00000152763.17	431	467	444	435	382
## ENSG00000198160.15	2982	4304	3696	3814	3168
## ENSG00000289394.1	4	6	9	10	11
## ENSG00000116704.8	3103	5582	3664	5466	3205
## ENSG00000203963.12	7	21	10	17	10
## ENSG00000275678.1	7	14	6	7	5
## ENSG00000162594.17	18	9	15	10	9
## ENSG00000081985.14	15	23	35	25	18
## ENSG00000142864.15	48328	56608	55337	48621	51037
## ENSG00000116717.13	3794	5132	4892	5703	5219
## ENSG00000172380.6	5273	7546	5978	6159	5974
## ENSG00000232284.9	83	103	99	100	117
## ENSG00000162595.8	77	60	79	58	108
## ENSG00000116729.14	20073	22164	22321	21389	23736
## ENSG00000234383.1	6	11	11	10	13
## ENSG00000229133.1	23	19	14	26	41
## ENSG00000024526.17	2955	3659	3437	3625	3249
## ENSG00000233589.1	5	9	17	15	9
## ENSG00000234264.1	3	4	8	11	11
## ENSG00000285407.1	5	2	3	10	4
## ENSG00000223883.2	9	6	10	18	12
## ENSG00000033122.21	1172	1307	1469	1289	1429
## ENSG00000237919.5	3	5	0	5	3
## ENSG00000066557.6	4190	4912	4614	4471	3834
## ENSG00000116754.14	13721	18688	17702	17289	15470
## ENSG00000118454.13	2076	2888	2437	2660	2123
## ENSG00000197568.15	364	424	419	416	494
## ENSG00000226088.1	21	9	16	18	17
## ENSG00000116761.12	1631	2044	1938	2220	1774

## ENSG00000271992.1	20	48	34	39	24
## ENSG00000050628.21	62	33	70	22	38
## ENSG00000132485.14	6572	8647	7933	7680	7401
## ENSG00000207721.1	3	18	14	7	0
## ENSG00000229956.11	38	46	32	45	26
## ENSG00000172260.15	287	286	362	233	255
## ENSG00000233994.2	10	14	14	9	17
## ENSG00000286863.2	3	12	5	3	7
## ENSG00000162620.16	61	101	72	76	88
## ENSG00000259030.8	5	15	3	13	7
## ENSG00000254685.8	804	1105	901	987	790
## ENSG00000178965.14	69	30	113	45	56
## ENSG00000272864.1	9	16	9	6	16
## ENSG00000116791.14	4762	7251	5817	6942	5585
## ENSG00000162623.16	2199	3068	2577	2662	2443
## ENSG00000137968.17	494	558	532	533	581
## ENSG00000213579.3	5	6	3	6	6
## ENSG00000117054.15	4180	5118	4771	4680	4346
## ENSG00000137955.16	4012	4885	4909	5398	4301
## ENSG00000057468.7	2	5	6	3	10
## ENSG00000184005.12	2252	3597	2639	3351	2778
## ENSG00000272855.1	7	7	9	12	4
## ENSG00000226415.1	207	213	181	189	343
## ENSG00000117069.15	1157	577	1270	448	858
## ENSG00000230498.3	6	8	2	7	1
## ENSG00000142892.15	2761	3791	3135	3088	3074
## ENSG00000226084.5	151	213	217	201	249
## ENSG00000289212.1	6	7	11	8	5
## ENSG00000154027.19	197	64	187	71	167
## ENSG00000036549.13	4970	6262	5977	6303	5062
## ENSG00000077254.14	7972	9731	9032	9266	8625
## ENSG00000180488.17	892	1150	1176	1176	804
## ENSG00000219201.4	40	44	33	34	29
## ENSG00000235927.4	3	8	13	15	6
## ENSG00000162614.19	1150	1418	1448	1310	1179
## ENSG00000162613.18	13964	17671	17417	17925	15939
## ENSG00000162616.9	1053	1552	1362	1296	1106
## ENSG00000137960.6	731	903	915	913	676
## ENSG00000285928.1	13	20	15	10	15
## ENSG00000122420.10	2	8	0	6	5
## ENSG00000162618.15	11	27	16	28	14
## ENSG00000230787.1	7	16	5	9	13
## ENSG00000229752.1	3	2	3	11	7
## ENSG00000117114.21	14371	15592	16335	15550	15573
## ENSG00000227288.3	30	30	30	26	36
## ENSG00000233008.8	4	5	6	2	8
## ENSG00000137941.17	1187	1296	1479	1144	986
## ENSG00000271576.2	35	51	56	46	58
## ENSG00000142875.21	6046	7803	7390	6876	6038
## ENSG00000226970.2	6	6	8	8	5
## ENSG00000203943.9	199	217	238	169	229
## ENSG00000117133.11	3848	4184	4080	4382	4183
## ENSG00000174021.12	3511	4017	3826	3385	4883
## ENSG00000122432.19	10	16	10	15	5

## ENSG00000117151.13	568	833	752	693	656
## ENSG00000284882.2	4	2	7	1	5
## ENSG00000289881.1	17	20	9	11	13
## ENSG00000117155.17	4538	4902	5351	4422	4653
## ENSG00000171517.6	397	620	513	637	429
## ENSG00000153898.13	39	75	44	55	50
## ENSG00000162643.13	770	973	837	925	861
## ENSG00000055732.13	173	396	245	445	211
## ENSG00000280099.1	38	49	66	64	39
## ENSG00000097096.10	694	815	865	816	643
## ENSG00000162642.14	1288	1609	1440	1619	1391
## ENSG00000142867.14	1077	1517	1345	1556	1184
## ENSG00000223653.6	10	14	16	14	12
## ENSG00000153904.21	3038	3925	3909	3554	3590
## ENSG00000282057.1	21	31	17	17	24
## ENSG00000142871.18	5117	6243	5875	5744	6307
## ENSG00000117174.11	2808	3932	3545	4044	3335
## ENSG00000171502.15	435	1105	582	1164	605
## ENSG00000285210.1	6	7	4	10	9
## ENSG00000122417.16	2094	3062	2490	2793	2192
## ENSG00000137975.8	8	24	5	11	13
## ENSG00000016490.16	149	642	276	780	125
## ENSG00000236915.3	17	30	23	23	21
## ENSG00000097033.15	6034	8415	7450	7687	6884
## ENSG00000230721.1	5	3	3	8	11
## ENSG00000183291.18	9075	12940	10204	12574	11147
## ENSG00000153936.18	6698	9316	8159	8040	7358
## ENSG00000235251.2	3	7	3	7	9
## ENSG00000267272.5	22	28	33	29	25
## ENSG00000143013.13	7315	14617	9277	14434	10659
## ENSG00000237505.8	43	88	60	93	49
## ENSG00000065243.20	5134	7366	6522	7144	5177
## ENSG00000241975.1	9	13	8	18	8
## ENSG00000137947.12	2069	2721	2282	2748	2367
## ENSG00000235308.1	5	2	6	5	5
## ENSG00000137944.18	3586	4353	3804	4063	4022
## ENSG00000213516.10	1717	2137	1973	1923	1793
## ENSG00000117226.12	92	178	160	169	75
## ENSG00000117228.11	82	115	273	177	88
## ENSG00000234518.2	62	96	95	77	106
## ENSG00000162645.13	49	138	144	160	82
## ENSG00000162654.9	2	42	23	41	52
## ENSG00000183347.15	8	4	1	5	0
## ENSG00000286548.1	37	54	48	55	50
## ENSG00000197147.15	2622	3549	3126	3371	2812
## ENSG00000231999.8	36	28	49	35	35
## ENSG00000171488.15	376	473	504	497	510
## ENSG00000272931.1	33	49	45	60	62
## ENSG00000171492.14	5520	7265	6509	7287	6449
## ENSG00000228175.3	67	90	96	94	86
## ENSG00000162664.17	3534	4845	4294	4575	4067
## ENSG00000287406.1	21	14	17	9	9
## ENSG00000233593.12	68	108	108	131	127
## ENSG00000285532.2	0	5	5	2	1

## ENSG00000232882.1	11	13	11	16	8
## ENSG00000122482.22	5874	8058	7028	7646	5506
## ENSG00000162669.16	54	70	67	60	48
## ENSG00000097046.13	2456	2899	2902	2855	2596
## ENSG00000203914.4	12	19	20	33	22
## ENSG00000069702.11	1541	2295	1923	2370	2152
## ENSG00000289483.1	44	54	45	61	59
## ENSG00000172031.7	57	95	62	98	111
## ENSG00000230667.7	122	80	103	129	122
## ENSG00000189195.15	359	420	453	464	336
## ENSG00000174842.17	1468	1982	1653	1780	1647
## ENSG00000122484.9	2390	3190	2561	3174	2602
## ENSG00000162676.13	17	21	13	20	25
## ENSG00000067208.17	1738	2898	2458	3105	1936
## ENSG00000122406.14	135473	165464	154407	161582	179768
## ENSG00000154511.12	916	1251	1142	1098	1014
## ENSG00000207523.1	6	4	12	7	8
## ENSG00000143033.18	5623	7336	6939	6902	5829
## ENSG00000117500.13	7909	12032	9885	9753	8612
## ENSG00000122483.18	752	973	878	987	741
## ENSG00000223745.8	165	231	203	225	165
## ENSG00000229567.1	12	13	6	19	13
## ENSG00000117505.13	5043	6619	5957	6089	5708
## ENSG00000137942.18	17966	23145	22173	22156	17568
## ENSG00000137936.18	879	1094	1050	1268	1040
## ENSG00000224093.7	163	165	142	175	169
## ENSG00000260464.1	16	24	27	23	23
## ENSG00000067334.14	7380	8934	8131	8152	7910
## ENSG00000023909.10	2384	3517	3100	2808	2554
## ENSG00000198691.14	44	86	47	55	34
## ENSG00000137962.13	2797	4610	3745	4818	3119
## ENSG00000226835.4	11	14	21	11	10
## ENSG00000117528.14	8812	11394	10870	10826	10466
## ENSG00000117525.14	4344	3970	5439	4411	4349
## ENSG00000288736.2	42	22	40	29	34
## ENSG00000293271.1	804	1115	944	1139	889
## ENSG00000143036.17	4278	6698	4887	6769	5427
## ENSG00000117519.16	30422	35464	36102	35574	36790
## ENSG00000235501.8	1087	859	1232	960	1317
## ENSG00000172339.10	658	823	724	800	821
## ENSG00000152078.10	3440	5391	4234	3987	3884
## ENSG00000271092.5	44	58	42	48	29
## ENSG00000226026.7	14	19	13	16	14
## ENSG00000122481.17	210	297	238	311	232
## ENSG00000228852.6	15	11	10	17	7
## ENSG00000287919.1	3	11	5	4	14
## ENSG00000237954.7	10	7	9	13	7
## ENSG00000228502.1	491	589	533	884	929
## ENSG00000137970.7	795	1073	1062	1126	1204
## ENSG00000117569.20	2457	2618	3112	2797	2391
## ENSG00000188641.14	242	210	355	195	310
## ENSG00000228057.1	30	44	43	41	36
## ENSG00000225206.12	29	21	24	10	27
## ENSG00000285922.1	12	4	12	2	5

## ENSG00000226053.1	54	46	43	30	39
## ENSG00000162627.17	2994	3353	3097	3150	3081
## ENSG00000117598.14	259	118	297	100	269
## ENSG00000227034.1	4	5	7	7	10
## ENSG00000117600.14	37	29	42	37	41
## ENSG00000224445.3	4	4	7	8	13
## ENSG00000099260.12	4821	4560	4966	4282	5500
## ENSG00000156869.14	675	959	888	883	658
## ENSG00000162688.17	3267	4519	4153	4138	3222
## ENSG00000228084.3	7	7	5	2	5
## ENSG00000117620.15	739	1046	980	941	710
## ENSG00000283761.1	22	16	19	23	17
## ENSG00000288826.1	13	19	20	28	18
## ENSG00000156875.14	283	403	314	389	319
## ENSG00000156876.10	1137	1317	1318	1220	1011
## ENSG00000122435.11	645	917	824	837	739
## ENSG00000122477.14	13	20	26	32	17
## ENSG00000137992.15	3114	4384	4032	4093	3252
## ENSG00000224616.5	78	84	115	70	86
## ENSG00000137996.13	2694	3369	3193	3332	3125
## ENSG00000079335.20	809	934	1004	1034	773
## ENSG00000162692.12	66	53	63	58	61
## ENSG00000162694.14	2986	3626	3441	3602	3328
## ENSG00000273204.1	10	11	17	3	4
## ENSG00000162695.12	2351	3114	2944	3400	2489
## ENSG00000117543.22	3899	4590	4248	4356	4402
## ENSG00000235795.1	7	9	16	6	6
## ENSG00000233184.9	244	294	251	311	258
## ENSG00000170989.10	21	10	11	32	25
## ENSG00000183298.5	29	35	39	51	75
## ENSG00000118733.17	14	18	18	22	32
## ENSG00000060718.22	1026	1912	1597	2019	1307
## ENSG00000185946.16	357	416	407	451	353
## ENSG00000240038.8	12	38	29	40	24
## ENSG00000237897.2	6	4	10	3	4
## ENSG00000232952.1	8	11	6	11	14
## ENSG00000198890.9	3430	4414	3810	3899	4300
## ENSG00000162631.20	66	40	65	55	73
## ENSG00000224550.1	27	25	25	43	39
## ENSG00000134215.16	166	164	200	185	127
## ENSG00000085491.17	8910	12329	10765	11439	9508
## ENSG00000260879.1	29	46	27	38	26
## ENSG00000162636.16	805	967	989	1060	771
## ENSG00000162639.16	276	239	272	235	248
## ENSG00000285923.1	1	4	5	7	5
## ENSG00000290126.1	26	11	28	23	25
## ENSG00000134186.12	5490	6759	6856	6837	6102
## ENSG00000143107.10	29	12	23	13	12
## ENSG00000116266.11	1518	2243	1984	2279	1761
## ENSG00000121957.15	815	832	970	893	730
## ENSG00000121940.17	2616	3523	3289	3495	3046
## ENSG00000085433.17	909	1070	1167	1105	954
## ENSG00000244716.3	157	197	214	211	265
## ENSG00000228665.2	13	11	20	21	32

## ENSG00000197780.11	2075	2743	2633	2634	2061
## ENSG00000273382.1	37	44	37	47	35
## ENSG00000215717.7	3150	3827	3607	3472	3194
## ENSG00000179902.13	49	27	40	26	29
## ENSG00000116299.17	502	343	554	273	517
## ENSG00000031698.13	15015	17541	16557	17562	18199
## ENSG00000143126.8	3746	3264	3969	3241	3896
## ENSG00000134222.16	2280	2200	2415	2442	2932
## ENSG00000221986.7	7	10	5	6	7
## ENSG00000134243.12	10183	14090	11983	13666	11457
## ENSG00000143106.13	8850	10992	10383	11289	11564
## ENSG00000143028.9	20	16	17	13	20
## ENSG00000162650.17	312	336	313	327	391
## ENSG00000174151.15	871	983	1003	1011	942
## ENSG00000181754.7	707	680	793	713	867
## ENSG00000290117.1	6	4	7	6	1
## ENSG00000065135.12	11176	13993	12687	12158	12152
## ENSG00000134183.13	36	50	56	59	39
## ENSG00000116337.20	4175	5178	4930	5311	5601
## ENSG00000235045.2	7	6	9	9	2
## ENSG00000168765.19	2242	2574	2545	2549	2797
## ENSG00000213366.13	922	914	1035	847	1057
## ENSG00000134201.12	6	7	5	4	5
## ENSG00000241720.2	10	21	8	18	12
## ENSG00000134202.12	4736	6884	5223	7107	5986
## ENSG00000198758.11	507	930	733	952	697
## ENSG00000184371.14	618	1051	804	1081	1092
## ENSG00000168710.18	13333	17261	16833	17587	15467
## ENSG00000143093.15	2816	3334	3367	3809	3216
## ENSG00000258634.3	630	717	773	849	743
## ENSG00000197106.7	10	14	12	20	17
## ENSG00000116396.15	236	188	277	247	239
## ENSG00000227963.2	25	25	21	25	26
## ENSG00000162775.17	957	1251	1223	1400	1115
## ENSG00000224699.11	77	100	89	92	97
## ENSG00000168679.18	149	200	374	237	121
## ENSG00000273373.1	78	76	99	96	91
## ENSG00000134248.14	2946	3648	3447	3986	3926
## ENSG00000235407.1	3	3	10	6	4
## ENSG00000177301.16	20	13	9	24	14
## ENSG00000177272.10	75	70	117	57	88
## ENSG00000261654.1	44	35	39	37	33
## ENSG00000232811.1	32	58	72	82	66
## ENSG00000121931.16	1727	2356	1929	1934	1858
## ENSG00000273010.1	2	2	7	7	8
## ENSG00000156171.15	4797	7520	5593	7044	5777
## ENSG00000134255.16	2429	4041	2925	4048	2937
## ENSG00000162777.17	452	453	592	481	538
## ENSG00000064886.14	142	347	154	349	247
## ENSG00000173947.14	2087	2942	2243	2964	2672
## ENSG00000234020.1	18	20	15	18	21
## ENSG00000085465.13	190	356	221	334	220
## ENSG00000260948.1	99	132	139	140	130
## ENSG00000233337.1	45	78	45	73	51

## ENSG00000243960.1	25	49	21	50	25
## ENSG00000116455.14	6524	8937	7089	8961	9122
## ENSG00000116459.11	17130	20122	18561	20552	20212
## ENSG00000143110.12	13	10	20	29	18
## ENSG00000116473.15	4063	5604	4960	4879	4172
## ENSG00000231346.5	6	4	4	7	5
## ENSG00000197852.12	2087	3107	2408	3076	3165
## ENSG00000227811.3	36	38	45	60	60
## ENSG00000284830.1	11	11	22	18	12
## ENSG00000064703.13	3446	4015	3923	4050	3662
## ENSG00000171385.11	392	265	462	216	303
## ENSG00000231437.3	12	5	9	3	7
## ENSG00000143079.15	4581	6322	5471	6210	5396
## ENSG00000134245.18	111	96	117	137	182
## ENSG00000273483.1	8	4	9	4	4
## ENSG00000007341.19	563	705	579	709	612
## ENSG00000116489.13	12720	17080	15177	16955	14730
## ENSG00000155363.19	5647	6681	6446	6977	7271
## ENSG00000155366.17	6605	8982	6931	8912	10402
## ENSG00000155367.16	142	131	146	130	160
## ENSG00000184599.14	17	27	22	27	27
## ENSG00000215866.9	73	53	92	74	49
## ENSG00000224167.3	7	10	9	10	10
## ENSG00000155380.13	24755	31798	27860	27391	28425
## ENSG00000229020.4	3	2	3	5	8
## ENSG00000226419.8	90	122	124	108	104
## ENSG00000238198.2	7	2	5	13	5
## ENSG00000198799.12	1671	2046	2021	2281	1664
## ENSG00000081026.19	1387	1625	1635	1603	1419
## ENSG00000232499.2	32	32	37	34	42
## ENSG00000116793.16	2652	3002	3010	3124	2720
## ENSG00000232450.1	42	65	78	83	44
## ENSG00000081019.14	3435	4302	3982	3919	3519
## ENSG00000226167.1	9	3	2	11	12
## ENSG00000134262.14	347	367	408	419	414
## ENSG00000118655.8	1182	1318	1331	1410	1396
## ENSG00000163349.22	5393	7320	6912	7817	5397
## ENSG00000116774.12	1671	2675	2348	3337	2362
## ENSG00000134207.17	125	158	174	260	166
## ENSG00000197323.12	5931	7925	7241	6966	5979
## ENSG00000236480.1	16	15	12	26	22
## ENSG00000116752.6	2991	3669	3325	3618	3492
## ENSG00000175984.16	2064	2605	2326	2458	1737
## ENSG00000213281.5	16239	21446	18541	18779	17537
## ENSG00000009307.17	84498	103866	98757	95095	91778
## ENSG00000052723.12	3813	5225	4696	5338	4082
## ENSG00000134200.4	5	3	9	9	9
## ENSG00000134198.10	6854	7612	7561	6770	7527
## ENSG00000228035.1	2	6	9	5	3
## ENSG00000134259.6	40	49	27	44	43
## ENSG00000173218.15	3381	4381	3851	4200	3683
## ENSG00000118729.13	14	9	16	2	13
## ENSG00000177551.5	56	52	62	64	66
## ENSG00000214204.4	4	2	7	8	9

## ENSG00000163393.13	83	108	92	114	81
## ENSG00000221040.2	2	7	8	9	3
## ENSG00000287217.1	18	45	15	21	24
## ENSG00000163399.16	67259	100718	75168	96238	81234
## ENSG00000203865.13	177	201	242	242	188
## ENSG00000233154.6	6	9	2	7	2
## ENSG00000224950.2	4	2	5	6	2
## ENSG00000116815.16	219	292	239	306	261
## ENSG00000177173.5	16	25	25	27	18
## ENSG00000143061.18	7371	10287	8916	10658	7857
## ENSG00000134247.10	5512	7654	6602	8073	6907
## ENSG00000134256.13	91	134	126	123	97
## ENSG00000236137.1	14	10	14	16	11
## ENSG00000116830.12	3472	3943	4253	4361	3651
## ENSG00000134253.10	1113	625	1349	796	1077
## ENSG00000134258.18	443	377	524	501	475
## ENSG00000271427.1	2	6	5	6	3
## ENSG00000198162.12	8410	10125	10020	9226	7682
## ENSG00000183508.5	972	1094	1280	1202	1096
## ENSG00000228217.1	14	15	10	16	20
## ENSG00000196505.11	1882	2261	2166	2154	2005
## ENSG00000065183.16	6847	7946	8046	7695	7269
## ENSG00000155761.14	41	40	68	46	47
## ENSG00000116874.12	2197	2826	2442	2639	2504
## ENSG00000231365.7	589	800	756	907	671
## ENSG00000227712.3	8	2	9	3	3
## ENSG00000232650.6	1	5	2	7	10
## ENSG00000116882.15	5	1	2	5	7
## ENSG00000203855.7	1	8	5	10	6
## ENSG00000260941.1	24	30	26	23	33
## ENSG00000198857.3	16	36	13	31	26
## ENSG00000143067.5	2452	3077	2844	2965	2828
## ENSG00000092621.13	35029	40097	38108	39718	48734
## ENSG00000134240.12	7712	16921	8918	16496	11650
## ENSG00000134193.15	70	117	51	104	106
## ENSG00000134250.21	15942	21106	19155	21132	17284
## ENSG00000265808.4	4566	6024	5112	5843	5276
## ENSG00000290569.1	25	38	20	25	40
## ENSG00000270231.5	665	895	785	937	700
## ENSG00000293296.1	6	8	10	13	5
## ENSG00000275131.4	55	50	67	70	29
## ENSG00000290999.1	10	21	23	28	15
## ENSG00000286106.3	6	14	5	7	9
## ENSG00000273136.9	379	617	536	641	403
## ENSG00000226067.7	107	128	113	145	151
## ENSG00000188610.12	215	247	249	207	253
## ENSG00000171943.12	508	612	723	606	580
## ENSG00000227082.3	1	5	8	3	5
## ENSG00000272583.2	12	17	23	18	28
## ENSG00000291141.1	69	63	66	72	53
## ENSG00000277702.1	18	29	22	28	42
## ENSG00000232721.3	24	20	26	46	31
## ENSG00000273213.4	108	132	142	118	95
## ENSG00000263513.6	47	53	62	47	49

## ENSG00000289318.2	13	10	17	16	14
## ENSG00000270872.2	32	36	44	46	38
## ENSG00000266338.7	1546	2031	1844	2186	1742
## ENSG00000288905.2	45	38	60	52	40
## ENSG00000196369.12	287	288	337	313	257
## ENSG00000215784.6	76	83	100	94	99
## ENSG00000290867.1	85	78	73	98	97
## ENSG00000281571.2	36	42	55	32	54
## ENSG00000223612.3	62	35	45	44	64
## ENSG00000162825.18	221	368	343	424	337
## ENSG00000291005.1	34	52	40	55	34
## ENSG00000117262.19	499	571	545	533	538
## ENSG00000174827.14	520	827	665	893	589
## ENSG00000117281.16	14	16	18	21	12
## ENSG00000265491.5	3663	4841	4233	4532	3987
## ENSG00000186141.10	2850	3666	3249	3733	3415
## ENSG00000186364.12	78	74	82	84	80
## ENSG00000131788.16	1256	1509	1564	1686	1601
## ENSG00000198483.13	10	6	15	10	12
## ENSG00000143127.13	12	22	13	24	15
## ENSG00000131779.11	1160	1437	1399	1494	1370
## ENSG00000293505.1	33	36	39	50	38
## ENSG00000265241.8	5666	7187	6092	6663	6340
## ENSG00000234222.6	6	0	0	6	5
## ENSG00000271601.4	289	230	390	330	397
## ENSG00000272031.3	19	28	32	25	28
## ENSG00000121851.13	617	732	723	684	793
## ENSG00000265972.6	4298	7291	6020	8070	5632
## ENSG00000233396.9	210	273	286	267	226
## ENSG00000271425.9	179	255	227	291	178
## ENSG00000264343.7	43	67	44	75	36
## ENSG00000290578.1	25	31	16	20	22
## ENSG00000287978.1	17	24	17	16	19
## ENSG00000268043.9	651	921	929	1128	666
## ENSG00000230832.3	9	18	9	11	15
## ENSG00000131791.8	3787	4995	4455	5346	3972
## ENSG00000293279.1	81	70	94	88	63
## ENSG00000131781.13	243	361	275	364	230
## ENSG00000180867.12	142	201	195	240	210
## ENSG00000226015.2	72	82	79	106	96
## ENSG00000131778.20	141	146	122	166	114
## ENSG00000278811.4	16	31	21	32	14
## ENSG00000116128.12	4954	6080	6137	6314	6123
## ENSG00000289419.1	12	25	30	20	27
## ENSG00000162836.12	599	754	741	832	700
## ENSG00000265107.3	17	60	38	87	39
## ENSG00000188092.15	468	571	494	560	496
## ENSG00000290705.1	8	13	10	8	6
## ENSG00000274372.5	3	8	10	9	4
## ENSG00000263956.8	422	639	573	721	461
## ENSG00000198658.4	7	0	11	6	7
## ENSG00000232265.8	95	84	64	91	94
## ENSG00000227733.12	16	9	23	14	10
## ENSG00000274020.4	71	75	69	89	82

## ENSG00000291232.1	29	32	51	40	42
## ENSG00000225871.2	2	5	7	5	3
## ENSG00000280649.2	66	93	62	77	89
## ENSG00000270629.7	235	331	330	352	262
## ENSG00000286019.2	76	121	113	109	73
## ENSG00000178104.22	2608	3365	3009	3301	2756
## ENSG00000269713.9	1744	2230	2192	2433	1999
## ENSG00000274265.5	44	52	43	39	48
## ENSG00000289614.2	8	9	6	17	15
## ENSG00000291233.1	18	7	15	5	20
## ENSG00000215861.9	10	4	9	5	11
## ENSG00000286219.2	40	66	50	65	35
## ENSG00000271383.9	6	13	13	25	14
## ENSG00000291158.1	120	154	140	162	146
## ENSG00000275557.1	46	44	43	44	60
## ENSG00000203814.7	6	12	14	9	13
## ENSG00000233030.2	2	1	5	10	6
## ENSG00000290791.1	31	40	24	41	26
## ENSG00000290792.1	135	185	180	212	163
## ENSG00000184678.11	209	259	255	262	259
## ENSG00000184260.6	46	43	32	35	67
## ENSG00000178096.9	292	379	353	407	482
## ENSG00000159164.10	1874	1197	2149	1283	1863
## ENSG00000143368.10	5585	5939	6566	6415	7589
## ENSG00000014914.21	61	47	70	74	54
## ENSG00000264522.6	3543	4129	4016	4098	3789
## ENSG00000285184.5	403	635	548	647	461
## ENSG00000136631.16	2203	2640	2472	2609	2431
## ENSG00000023902.14	5747	6541	5928	6386	7621
## ENSG00000285554.1	22	40	17	30	22
## ENSG00000143401.15	10878	12124	14019	10887	11649
## ENSG00000118298.12	750	599	831	638	900
## ENSG00000117362.13	13572	16731	14565	16681	17398
## ENSG00000118292.9	34	29	31	28	32
## ENSG00000159208.16	100	77	112	102	95
## ENSG00000266472.6	4124	4525	4693	4772	5553
## ENSG00000117360.13	3412	4169	3897	4117	3902
## ENSG00000163125.16	5034	6206	6065	6293	5409
## ENSG00000143374.18	2428	2648	2759	2890	2933
## ENSG00000143369.15	63	73	97	110	63
## ENSG00000228126.1	10	16	7	12	7
## ENSG00000143382.16	1193	868	1166	927	1248
## ENSG00000143384.14	21425	27077	24248	25134	22763
## ENSG00000143420.19	10849	14056	12360	14172	14068
## ENSG00000288880.2	46	67	44	52	48
## ENSG00000143457.11	2647	3553	3015	3261	3124
## ENSG00000163131.12	55	137	81	96	46
## ENSG00000143387.14	66	142	136	152	81
## ENSG00000143437.21	2753	3201	3450	3427	3050
## ENSG00000143379.13	3621	4085	4211	4238	3833
## ENSG00000143418.20	10909	14011	12304	13397	13324
## ENSG00000143412.10	371	779	590	785	561
## ENSG00000143409.18	525	513	654	594	613
## ENSG00000143363.17	2315	2605	2620	2741	2795

## ENSG00000163141.20	21	16	23	40	20
## ENSG00000143443.10	338	418	360	356	417
## ENSG00000197622.13	9123	12562	10051	11632	10412
## ENSG00000213190.4	11131	13116	12723	12547	12641
## ENSG00000143458.12	272	335	368	441	324
## ENSG00000261168.1	18	13	12	14	6
## ENSG00000143434.17	1095	800	1176	871	1159
## ENSG00000163156.12	1905	2079	2032	2124	2556
## ENSG00000163155.12	954	1072	1071	1187	1069
## ENSG00000163157.15	26	20	27	33	26
## ENSG00000163159.15	5501	6167	5654	6157	7421
## ENSG00000143398.20	6780	8704	8037	9515	7875
## ENSG00000159352.16	9862	11525	11098	11662	12530
## ENSG00000232671.8	9	12	14	18	21
## ENSG00000143373.18	3846	4158	4363	4054	4689
## ENSG00000143393.17	4417	5071	5045	5611	5329
## ENSG00000143390.18	3519	4547	4014	4719	3916
## ENSG00000237976.2	131	120	108	152	150
## ENSG00000143416.21	2958	3165	3299	3122	3825
## ENSG00000159377.11	14440	17703	16456	18429	20701
## ENSG00000143442.24	6561	8430	8288	8524	7360
## ENSG00000143375.15	5442	8197	6324	8420	6290
## ENSG00000143367.17	1864	2108	2093	2234	2058
## ENSG00000223861.1	8	10	6	10	11
## ENSG00000143376.14	2581	3445	3378	3883	2933
## ENSG00000159409.15	601	304	657	350	599
## ENSG00000178796.13	35	16	31	15	26
## ENSG00000143436.11	2594	3171	2902	3008	3088
## ENSG00000143450.19	55	72	59	65	55
## ENSG00000249602.1	15	21	10	19	30
## ENSG00000182134.17	927	948	1070	939	941
## ENSG00000203288.6	16	7	22	22	23
## ENSG00000225556.2	16	23	23	21	23
## ENSG00000234614.1	95	88	100	115	74
## ENSG00000196407.12	65	57	69	68	104
## ENSG00000159445.13	1282	1437	1386	1472	1562
## ENSG00000197747.9	32778	51075	38335	49874	46271
## ENSG00000229021.2	10	12	19	14	13
## ENSG00000163191.6	16707	29757	19455	30038	26025
## ENSG00000159450.13	10	8	3	7	15
## ENSG00000197915.7	7	10	9	8	5
## ENSG00000203785.9	5	7	4	3	11
## ENSG00000244094.2	1191	536	1225	512	1651
## ENSG00000163220.11	0	26	6	21	4
## ENSG00000238279.3	3	9	3	11	5
## ENSG00000197956.10	9424	12722	11695	13161	15880
## ENSG00000196154.12	872	1592	1090	1383	1280
## ENSG00000188015.10	116	184	149	144	153
## ENSG00000196754.13	11	25	19	30	27
## ENSG00000285867.1	37	71	56	69	54
## ENSG00000188643.11	7078	10099	8681	10879	9969
## ENSG00000189334.9	1647	2457	3041	3081	1734
## ENSG00000189171.15	1599	2506	1870	2365	2187
## ENSG00000271853.5	22	32	12	10	19

## ENSG00000160678.12	14	22	14	28	11
## ENSG00000272030.1	3	5	4	7	7
## ENSG00000160679.14	6047	7320	7026	7557	7580
## ENSG00000143553.11	1854	2234	1961	2281	2500
## ENSG00000143621.17	35053	41088	39761	42109	42935
## ENSG00000169418.10	54	106	105	132	93
## ENSG00000143624.14	5989	7093	6841	7541	6528
## ENSG00000143554.14	1164	1322	1335	1375	1453
## ENSG00000143614.11	2457	3031	2985	3239	2902
## ENSG00000223599.1	5	3	6	14	5
## ENSG00000284738.2	11	8	15	9	9
## ENSG00000198837.10	2762	3109	3259	3300	3237
## ENSG00000289935.1	6	5	9	22	5
## ENSG00000160741.17	1674	2090	1988	2326	2207
## ENSG00000143570.19	167	222	175	247	224
## ENSG00000282386.1	47	60	40	46	60
## ENSG00000273026.1	22	32	25	22	29
## ENSG00000143578.16	1063	1118	1176	1185	1264
## ENSG00000143543.15	1041	1307	1219	1303	1316
## ENSG00000272654.2	64	100	56	66	65
## ENSG00000143545.10	1525	2122	1972	2004	2323
## ENSG00000177954.14	50248	62468	55940	64807	71759
## ENSG00000143552.10	9	11	11	8	13
## ENSG00000231416.1	4	7	1	10	9
## ENSG00000143549.22	53332	67922	59040	62396	63552
## ENSG00000163263.7	6	7	8	5	1
## ENSG00000143612.21	13684	17471	14910	16760	17094
## ENSG00000143569.20	19615	23058	22318	23473	23619
## ENSG00000143575.16	4085	4517	4267	4486	4840
## ENSG00000143595.13	24	20	21	28	39
## ENSG00000143515.20	3472	4341	4414	5356	4123
## ENSG00000226855.1	9	10	9	10	12
## ENSG00000160712.13	1295	1530	1586	1785	1313
## ENSG00000169291.10	5	14	3	7	6
## ENSG00000160714.10	6867	8348	7830	8618	8409
## ENSG00000286391.3	6	5	13	4	5
## ENSG00000160716.6	379	194	396	163	338
## ENSG00000160710.18	28051	34324	33062	35188	29551
## ENSG00000287064.1	1	5	3	7	9
## ENSG00000143603.19	169	110	226	115	133
## ENSG00000163344.6	1569	1695	1770	1562	1977
## ENSG00000163346.17	6026	7611	6890	7554	8140
## ENSG00000163348.4	4393	4880	4771	5046	5307
## ENSG00000271380.1	16	18	10	10	26
## ENSG00000160691.19	7694	9528	8571	9710	10234
## ENSG00000173207.13	5827	6527	6154	6965	7448
## ENSG00000160688.19	3938	4202	4153	4365	4986
## ENSG00000289103.2	1	5	3	5	4
## ENSG00000160685.14	2708	3280	2958	3603	3650
## ENSG00000163354.15	15	4	18	18	16
## ENSG00000163357.11	8	9	13	9	13
## ENSG00000232093.1	27	40	58	49	57
## ENSG00000143537.14	6085	6585	6460	6455	8386
## ENSG00000243364.8	1556	1828	1742	1792	2098

## ENSG00000143590.14	266	206	338	245	349
## ENSG00000169242.12	666	985	921	1138	975
## ENSG00000169241.19	1999	2456	2421	2692	2711
## ENSG00000179085.8	532	544	505	650	868
## ENSG00000163463.13	106	101	123	137	104
## ENSG00000163462.19	767	755	810	831	956
## ENSG00000185499.17	963	705	997	593	1021
## ENSG00000231064.9	11	17	30	25	29
## ENSG00000169231.13	907	903	1015	906	1035
## ENSG00000173171.15	1359	1530	1445	1623	1779
## ENSG00000291137.1	32	38	34	47	37
## ENSG00000236675.1	151	179	186	166	172
## ENSG00000177628.16	1976	2357	2104	2310	2419
## ENSG00000160767.23	3937	3829	4341	3877	5031
## ENSG00000116521.11	3366	3724	3599	3675	4651
## ENSG00000176444.19	2064	2269	2386	2483	2464
## ENSG00000143630.10	118	126	184	132	145
## ENSG00000160752.15	10310	12666	11261	11914	13420
## ENSG00000225855.7	96	176	161	150	124
## ENSG00000160753.17	2357	2488	2523	2525	2925
## ENSG00000116539.14	2369	3065	2876	3271	2288
## ENSG00000235919.5	56	53	69	57	70
## ENSG00000125459.18	839	930	1015	958	996
## ENSG00000271267.1	8	6	1	6	8
## ENSG00000223503.1	12	8	10	18	24
## ENSG00000246203.2	20	39	25	29	28
## ENSG00000163374.20	2712	3015	3071	3068	2893
## ENSG00000132676.16	7855	9692	8721	9705	9379
## ENSG00000203761.5	122	147	150	164	115
## ENSG00000116580.20	4143	4900	4906	5073	3922
## ENSG00000132718.9	3980	2290	4488	2277	3225
## ENSG00000143622.12	2305	3146	2711	3381	2618
## ENSG00000132680.11	2298	3092	2835	3362	2642
## ENSG00000116584.22	5396	6046	6168	6176	5964
## ENSG00000273002.1	11	18	10	18	13
## ENSG00000285677.2	34	21	42	36	32
## ENSG00000163479.14	18572	22173	19458	22181	23082
## ENSG00000160803.8	7405	8342	8165	8614	8712
## ENSG00000116586.12	2411	2899	2952	3105	3700
## ENSG00000132698.15	4482	5799	5313	5806	5907
## ENSG00000254726.3	12843	16931	14726	16757	14895
## ENSG00000160789.24	4650	6731	5105	6412	7172
## ENSG00000196189.14	61	55	80	70	61
## ENSG00000160785.14	3110	3755	3328	3790	3576
## ENSG00000260238.6	27	27	26	12	29
## ENSG00000160783.19	1129	1163	1159	1358	1453
## ENSG00000160781.17	37	35	57	48	32
## ENSG00000198952.8	11460	12378	12230	12259	13121
## ENSG00000163472.19	251	275	276	270	303
## ENSG00000198715.13	2751	3230	2876	3103	3423
## ENSG00000163468.15	42146	47175	45320	45338	49562
## ENSG00000163467.12	27	35	27	30	20
## ENSG00000132677.13	7	8	6	7	4
## ENSG00000125462.20	16	8	6	13	12

## ENSG00000116604.19	1635	1892	2063	2014	2144
## ENSG00000183856.11	3139	3682	3771	3862	3714
## ENSG00000163382.13	6748	7776	7141	7737	9538
## ENSG00000272068.1	5	17	14	13	10
## ENSG00000132692.19	19	33	37	42	18
## ENSG00000272405.1	90	146	135	164	100
## ENSG00000229953.1	11	23	21	27	25
## ENSG00000132688.11	18532	24166	21282	20703	19198
## ENSG00000143320.9	6407	6186	8023	6490	8923
## ENSG00000223356.1	0	3	6	5	2
## ENSG00000143319.17	5582	6526	6125	6118	6499
## ENSG00000143303.12	1092	1253	1179	1305	1355
## ENSG00000143314.12	2018	2326	2205	2419	2695
## ENSG00000143321.19	43920	55205	49167	49547	58385
## ENSG00000143294.15	5958	7037	6434	7128	7688
## ENSG00000027869.12	157	109	134	128	158
## ENSG00000198400.14	31	13	20	26	31
## ENSG00000027644.5	36	28	25	23	32
## ENSG00000187800.14	12	22	19	36	25
## ENSG00000132694.19	2983	4003	3828	4259	3466
## ENSG00000237842.2	3	11	9	10	9
## ENSG00000224520.2	243	305	237	292	362
## ENSG00000117036.12	2999	3677	3712	4005	3210
## ENSG00000271736.2	4	6	3	6	5
## ENSG00000183853.18	7864	10198	9368	10701	9322
## ENSG00000227295.2	11	5	6	5	8
## ENSG00000158473.8	24	8	23	15	18
## ENSG00000236257.1	2	4	3	10	12
## ENSG00000231434.1	23	21	21	32	35
## ENSG00000163565.20	426	515	483	477	434
## ENSG00000163568.16	65	48	74	61	75
## ENSG00000162706.13	614	530	645	498	773
## ENSG00000213088.13	20	13	7	6	17
## ENSG00000132703.4	8	8	4	8	11
## ENSG00000158716.9	1132	1279	1181	1363	1605
## ENSG00000272668.2	8	4	7	11	4
## ENSG00000213085.10	225	132	197	147	183
## ENSG00000158710.15	44728	50202	48190	48936	58743
## ENSG00000085552.18	7566	7542	7850	8368	9434
## ENSG00000143315.8	1877	2522	2120	2340	2264
## ENSG00000162729.14	3344	4154	3833	4304	5201
## ENSG00000018625.15	63	27	76	34	67
## ENSG00000143318.13	42	39	47	37	28
## ENSG00000162734.13	5816	6875	6521	6998	7475
## ENSG00000132716.19	2313	3160	2906	3391	2904
## ENSG00000228606.4	26	36	32	35	22
## ENSG00000224261.2	4	4	16	11	8
## ENSG00000162735.19	4451	5489	4946	5750	5336
## ENSG00000122218.17	21698	28627	26273	29297	25202
## ENSG00000235082.2	18	13	18	18	21
## ENSG00000162736.18	10045	13072	11767	14665	12170
## ENSG00000171786.6	18	22	33	30	40
## ENSG00000162738.7	8742	10799	10407	11629	10936
## ENSG00000026751.17	364	188	352	183	319

## ENSG00000122223.13	26	39	23	28	20
## ENSG00000179914.5	127	256	126	263	201
## ENSG00000213080.3	57	113	70	86	97
## ENSG00000198358.4	12	19	17	18	21
## ENSG00000158764.7	248	281	244	327	264
## ENSG00000158769.19	11466	17021	14204	15736	14087
## ENSG00000270149.5	6	15	8	20	6
## ENSG00000215845.11	616	653	662	666	736
## ENSG00000158773.14	3562	4219	3882	4710	4495
## ENSG00000186517.14	22	27	25	21	25
## ENSG00000143217.9	63	114	101	147	100
## ENSG00000162755.14	363	359	349	357	438
## ENSG00000143256.5	2333	2659	2768	3013	3337
## ENSG00000158793.14	1749	1991	1999	2053	2174
## ENSG00000158796.17	1481	1736	1604	1760	1891
## ENSG00000143222.12	6337	7262	6864	6837	7074
## ENSG00000224985.1	102	152	122	132	128
## ENSG00000143258.17	2170	2471	2452	2468	2726
## ENSG00000143224.18	946	1009	951	906	1176
## ENSG00000158850.15	3896	4587	4492	4838	5228
## ENSG00000158859.10	16	10	19	18	28
## ENSG00000158864.13	9019	10898	10266	10700	10918
## ENSG00000158869.11	29	39	43	53	44
## ENSG00000158874.11	2149	4250	4380	6514	3323
## ENSG00000158882.15	2091	2767	2169	2610	2470
## ENSG00000143257.12	85	130	103	129	108
## ENSG00000248485.2	41	92	52	73	44
## ENSG00000158887.19	66	53	91	61	100
## ENSG00000143252.16	7883	10303	9149	10469	10115
## ENSG00000289106.2	214	344	292	291	216
## ENSG00000188931.4	407	526	550	587	428
## ENSG00000288670.1	191	281	281	293	232
## ENSG00000283696.1	21	29	30	32	25
## ENSG00000288093.1	6	9	12	18	17
## ENSG00000215840.3	13	24	22	36	45
## ENSG00000143226.16	35	57	46	63	32
## ENSG00000173110.8	14	19	20	20	10
## ENSG00000244682.8	12	16	5	5	8
## ENSG00000225217.1	5	4	4	9	8
## ENSG00000072694.22	8	4	8	2	13
## ENSG00000162746.15	28	35	29	29	25
## ENSG00000226889.4	46	40	38	48	39
## ENSG00000081721.12	1070	1370	1192	1383	1228
## ENSG00000118217.7	4687	5959	5430	5872	4943
## ENSG00000162745.11	171	133	270	157	173
## ENSG00000198929.13	170	246	220	247	205
## ENSG00000254706.3	11	19	9	8	10
## ENSG00000171722.13	2	4	9	6	2
## ENSG00000239887.6	673	1051	816	1086	964
## ENSG00000152332.16	3130	4482	3981	4274	2965
## ENSG00000117143.14	2579	2997	3143	3075	2707
## ENSG00000272574.1	5	2	7	5	0
## ENSG00000162733.19	144	265	260	406	216
## ENSG00000132196.16	1671	2285	1831	2222	2056

## ENSG00000185860.14	28	66	28	45	30
## ENSG00000117152.14	15223	25747	18927	24913	18791
## ENSG00000143248.13	2333	3973	2793	3108	3366
## ENSG00000232995.7	18	35	23	26	13
## ENSG00000143228.13	1027	1221	1131	1241	1175
## ENSG00000213070.3	8	8	7	11	10
## ENSG00000185630.20	17072	20976	19914	19939	18390
## ENSG00000269887.1	21	31	16	23	18
## ENSG00000162761.14	460	408	521	392	400
## ENSG00000143171.13	40	8	45	14	27
## ENSG00000143198.13	8950	9861	9900	10588	12131
## ENSG00000143149.13	6761	9049	7813	8451	8177
## ENSG00000143183.18	8982	12105	9220	11332	10844
## ENSG00000224358.1	10	27	12	18	17
## ENSG00000143179.16	3905	4836	4722	5246	5084
## ENSG00000236364.4	18	15	33	22	16
## ENSG00000188859.7	1591	3119	1840	2998	1779
## ENSG00000230898.1	3	6	4	8	1
## ENSG00000229588.3	83	177	129	203	120
## ENSG00000215835.2	33	30	33	34	40
## ENSG00000290604.1	33	119	77	116	59
## ENSG00000232341.2	16	11	12	15	17
## ENSG00000143157.12	6050	9523	7320	9066	7803
## ENSG00000152382.6	1781	2676	2118	2681	2227
## ENSG00000143195.13	209	208	271	257	230
## ENSG00000272205.2	7	4	7	6	8
## ENSG00000143190.23	3929	5358	5163	5326	4104
## ENSG00000198821.12	11	17	18	17	21
## ENSG00000143162.9	2433	3399	2874	3307	2965
## ENSG00000198771.11	4	46	7	72	25
## ENSG00000197965.12	15210	21482	18093	22160	18691
## ENSG00000143199.18	25	45	32	44	8
## ENSG00000143158.11	3597	6711	4236	6269	4543
## ENSG00000143164.16	3050	5118	3741	5160	3445
## ENSG00000224837.1	27	35	24	29	17
## ENSG00000143147.15	3155	3570	3632	3708	3672
## ENSG00000143155.13	2898	3802	3514	3564	3246
## ENSG00000213064.10	2988	4588	3719	4579	4169
## ENSG00000143178.13	96	90	120	119	92
## ENSG00000143184.5	5	5	7	10	5
## ENSG00000143153.14	20842	31462	27416	32247	25215
## ENSG00000143156.14	1488	1743	1639	1517	1757
## ENSG00000117475.14	1132	1589	1300	1463	1143
## ENSG00000117477.13	398	310	441	295	332
## ENSG00000117479.15	2184	3080	2575	3042	2544
## ENSG00000234604.2	4	7	8	2	0
## ENSG00000213062.5	173	230	239	242	203
## ENSG00000198734.12	203	984	273	915	438
## ENSG00000000460.17	1415	1724	1560	1714	1550
## ENSG00000188404.10	8	21	5	10	10
## ENSG00000171806.12	527	661	570	544	526
## ENSG00000000457.14	636	913	757	907	696
## ENSG00000075945.13	2346	2654	2706	2563	2407
## ENSG00000203740.4	3	14	5	12	7

## ENSG00000231407.6	6	5	8	10	1
## ENSG00000120370.14	494	788	604	821	596
## ENSG00000231424.3	13	9	11	19	7
## ENSG00000010932.17	11	40	36	106	38
## ENSG00000076258.10	115	144	129	99	132
## ENSG00000285665.1	10	11	11	10	13
## ENSG00000117523.18	22832	30292	28416	31788	23988
## ENSG00000233328.3	29	35	31	40	76
## ENSG00000230364.1	27	33	31	33	58
## ENSG00000117533.15	513	678	661	605	529
## ENSG00000010165.20	4219	4956	4588	4869	5100
## ENSG00000197959.15	18	24	27	33	23
## ENSG00000230630.5	3	9	6	9	5
## ENSG00000135845.10	2145	2680	2596	2576	2731
## ENSG00000180999.11	3	4	6	6	5
## ENSG00000094975.15	5012	6600	6302	6331	4973
## ENSG00000117586.11	110	150	172	218	146
## ENSG00000203739.6	94	102	95	111	103
## ENSG00000117592.9	30328	35454	34130	32779	37051
## ENSG00000183831.7	105	83	126	73	112
## ENSG00000289426.1	119	48	163	54	27
## ENSG00000076321.11	1048	1200	1256	1299	1051
## ENSG00000225591.2	8	9	14	16	18
## ENSG00000120334.16	647	770	771	810	714
## ENSG00000117593.12	3264	3983	3606	3890	3225
## ENSG00000234741.10	14105	18005	17791	21290	17729
## ENSG00000270084.2	36	38	49	25	27
## ENSG00000185278.16	486	875	734	870	517
## ENSG00000117601.15	47	94	64	107	45
## ENSG00000135870.12	2640	4145	3373	3580	3164
## ENSG00000224977.2	9	11	1	2	6
## ENSG00000227373.6	5	18	12	6	14
## ENSG00000152061.24	1788	2039	2004	1911	1577
## ENSG00000287697.1	7	12	6	9	2
## ENSG00000116161.18	8458	9352	9600	8599	9849
## ENSG00000120333.4	1684	2027	1960	2056	2070
## ENSG00000120332.17	24	14	13	23	12
## ENSG00000235750.10	1241	1480	1328	1526	1340
## ENSG00000116147.18	160	179	221	169	184
## ENSG00000227740.2	4	7	3	7	7
## ENSG00000230777.1	10	9	12	19	31
## ENSG00000143207.21	5181	6312	5506	6020	5307
## ENSG00000228686.2	11	10	13	11	8
## ENSG00000236021.4	10	10	18	22	18
## ENSG00000116183.11	346	507	518	500	424
## ENSG00000152092.16	86	64	98	49	107
## ENSG00000198797.7	20	9	21	12	17
## ENSG00000293477.1	41	49	54	57	44
## ENSG00000224687.2	23	24	33	24	39
## ENSG00000075391.18	1609	1923	1934	1969	1631
## ENSG00000213058.3	333	365	409	448	579
## ENSG00000213057.5	22	25	27	22	13
## ENSG00000273384.1	4	4	6	6	6
## ENSG00000273062.1	29	57	35	34	46

## ENSG00000116191.19	5140	7303	6127	6300	5223
## ENSG00000116199.12	5083	6075	5942	6342	5346
## ENSG00000186283.14	3195	3871	3550	3918	3988
## ENSG00000143322.22	3624	4311	4188	4273	3433
## ENSG00000057252.13	10062	13140	11888	11896	10810
## ENSG00000162779.22	2	5	6	4	8
## ENSG00000236539.3	5	3	5	9	6
## ENSG00000227141.2	4	5	2	5	3
## ENSG00000162782.16	7	4	11	6	17
## ENSG00000143340.7	403	374	506	342	425
## ENSG00000229407.5	57	47	67	74	70
## ENSG00000231966.1	16	12	14	16	7
## ENSG00000169905.13	6305	9333	7910	9052	7771
## ENSG00000272906.1	3	10	7	3	5
## ENSG00000143337.19	3934	6231	4824	6321	4454
## ENSG00000260360.2	9	11	11	7	6
## ENSG00000135837.17	5331	8403	6510	8844	5339
## ENSG00000116260.17	18400	26761	21056	27607	26226
## ENSG00000121454.6	33	32	53	37	34
## ENSG00000230124.8	2342	2818	2627	2610	3294
## ENSG00000143324.14	15298	18492	18018	17093	15888
## ENSG00000225857.5	2	5	2	5	0
## ENSG00000135835.12	52	52	69	52	60
## ENSG00000243155.1	8	5	7	7	11
## ENSG00000135823.14	2349	3302	2913	3086	2580
## ENSG00000153029.16	91	171	147	134	113
## ENSG00000162783.11	534	424	581	467	583
## ENSG00000198216.14	37	23	36	19	25
## ENSG00000179930.6	8	17	6	9	15
## ENSG00000231684.3	10	11	11	13	15
## ENSG00000135821.19	35029	39803	39968	38095	40234
## ENSG00000135828.11	556	635	587	686	486
## ENSG00000143333.7	1211	1003	1562	951	1270
## ENSG00000261504.1	8	9	10	3	8
## ENSG00000135824.13	45	23	44	37	26
## ENSG00000135838.14	137	99	131	151	139
## ENSG00000287808.1	32	28	34	38	35
## ENSG00000135829.17	35780	41774	39484	40964	38157
## ENSG00000176855.11	10	11	8	12	19
## ENSG00000135862.6	107168	161532	126537	153728	125720
## ENSG00000224468.3	15	34	31	30	18
## ENSG00000058085.15	11577	22229	13212	18877	12996
## ENSG00000157064.11	421	546	493	496	450
## ENSG00000287929.1	20	24	11	31	21
## ENSG00000232860.10	36	31	36	41	27
## ENSG00000116698.22	8592	10337	9743	9951	8997
## ENSG00000116701.16	52	75	39	72	53
## ENSG00000286966.1	7	15	9	4	3
## ENSG00000162704.16	12349	16840	14148	15118	13942
## ENSG00000143344.16	2152	3253	2490	3176	2600
## ENSG00000198756.12	125	175	148	144	171
## ENSG00000198860.14	1960	2373	2261	2156	2228
## ENSG00000271387.1	2	2	6	1	5
## ENSG00000116667.15	985	1196	1278	1254	1437

## ENSG00000285847.2	6	9	12	19	9
## ENSG00000116406.20	3654	4725	4496	4797	3509
## ENSG00000135842.17	508	341	612	416	387
## ENSG00000121481.11	2665	3305	3200	2722	2966
## ENSG00000121486.12	3057	4065	3567	3537	3174
## ENSG00000116668.13	681	860	793	787	682
## ENSG00000231084.2	18	34	39	43	24
## ENSG00000213051.3	25	21	20	31	39
## ENSG00000279838.1	22	16	16	18	23
## ENSG00000116679.16	11080	13764	13421	13547	12464
## ENSG00000273004.1	79	68	65	88	73
## ENSG00000143341.12	647	3024	1238	3722	1357
## ENSG00000116690.13	5	5	6	7	3
## ENSG00000047410.14	12699	15639	15177	16958	12068
## ENSG00000157181.16	2176	2814	2615	2941	2251
## ENSG00000229739.4	3	16	10	12	11
## ENSG00000073756.13	216	217	261	213	220
## ENSG00000116711.10	315	363	361	344	293
## ENSG00000230426.5	14	19	17	9	8
## ENSG00000162670.11	39	45	61	86	61
## ENSG00000237457.6	4	4	5	8	2
## ENSG00000226723.2	17	18	16	19	17
## ENSG00000231767.5	105	152	128	200	169
## ENSG00000116741.8	1365	1260	1509	1374	1585
## ENSG00000116750.14	2899	3813	3569	3438	3297
## ENSG00000116747.13	3282	4597	4236	3827	3434
## ENSG00000023572.10	637	994	811	776	813
## ENSG00000134371.14	4383	6478	5351	5907	4952
## ENSG00000162630.6	85	87	90	121	117
## ENSG00000233057.1	27	14	27	53	41
## ENSG00000162687.19	434	419	541	411	415
## ENSG00000000971.17	2	9	1	12	5
## ENSG00000143278.5	12	15	26	26	24
## ENSG00000066279.19	3276	3858	4042	4283	3118
## ENSG00000177888.8	1808	2760	2264	2405	1643
## ENSG00000213047.13	875	1460	1069	1172	971
## ENSG00000235582.2	19	9	15	29	21
## ENSG00000203724.11	56	40	35	44	52
## ENSG00000151414.15	1213	2062	1616	1745	1318
## ENSG00000116833.14	5712	7914	6746	7537	6418
## ENSG00000229220.1	4	5	5	3	6
## ENSG00000203721.8	41	51	44	52	45
## ENSG00000230623.8	75	88	97	99	70
## ENSG00000162702.8	5437	6769	6304	6446	5765
## ENSG00000118193.12	1482	1888	1947	1989	1327
## ENSG00000118197.14	920	1144	1055	1257	1130
## ENSG00000118200.15	5554	7249	6832	6857	5861
## ENSG00000163362.11	4336	5980	4697	6042	5540
## ENSG00000116852.15	1062	737	1280	768	1010
## ENSG00000229191.1	39	22	52	31	39
## ENSG00000081248.12	3	2	3	7	5
## ENSG00000232237.5	47	73	56	62	87
## ENSG00000116857.17	6820	8433	7563	9124	9493
## ENSG00000163395.17	8	3	18	16	1

## ENSG00000118194.21	4	10	6	7	6
## ENSG00000159166.15	4954	6219	5530	6331	6614
## ENSG00000282221.1	235	277	271	260	203
## ENSG00000159173.20	281	322	321	354	341
## ENSG00000174307.7	3342	4581	3361	4542	5590
## ENSG00000159176.14	16579	20284	18499	18227	21396
## ENSG00000224536.2	12	10	15	8	8
## ENSG00000293257.1	7	7	15	8	12
## ENSG00000134369.16	5336	6372	6387	6522	5792
## ENSG00000231871.5	3	9	12	10	15
## ENSG00000235121.1	2	6	6	4	10
## ENSG00000198700.10	13796	15395	15531	15464	15046
## ENSG00000198892.7	183	140	211	137	199
## ENSG00000163431.14	111	180	167	193	141
## ENSG00000134375.11	4872	6097	5728	5933	5462
## ENSG00000176393.11	9441	11525	10916	11976	11951
## ENSG00000234678.2	192	337	278	337	267
## ENSG00000163435.16	5402	7576	6129	7701	6943
## ENSG00000170075.10	30	22	37	31	34
## ENSG00000143862.8	2171	2576	2487	2845	2927
## ENSG00000133067.18	58	95	122	81	67
## ENSG00000077152.12	2410	2840	2768	3171	3103
## ENSG00000077157.23	1852	2043	2298	2109	1476
## ENSG00000232626.4	1	1	1	5	6
## ENSG00000236439.4	53	96	70	128	133
## ENSG00000143858.12	925	576	957	519	615
## ENSG00000117139.18	27383	32104	31156	31283	28181
## ENSG00000235449.2	11	7	5	14	16
## ENSG00000228288.9	162	160	167	160	214
## ENSG00000293466.1	8	2	2	5	5
## ENSG00000291234.1	556	713	767	847	745
## ENSG00000214796.10	24	32	32	47	32
## ENSG00000293264.1	55	89	104	91	85
## ENSG00000183155.5	906	1062	1033	1117	1076
## ENSG00000117153.16	3340	4020	3773	4116	3571
## ENSG00000230280.2	3	17	4	17	7
## ENSG00000159346.13	6395	7946	7572	8262	8130
## ENSG00000159348.13	2074	2548	2329	2572	2602
## ENSG00000163444.12	6716	7945	7260	7886	8026
## ENSG00000143847.16	21	25	25	32	10
## ENSG00000163485.18	71	120	112	151	97
## ENSG00000133048.13	1006	947	3016	1404	769
## ENSG00000231507.4	7	2	6	1	5
## ENSG00000159388.6	12377	18949	14790	19418	17148
## ENSG00000122176.12	265	284	534	437	313
## ENSG00000188783.6	5	10	5	7	6
## ENSG00000058668.16	17289	15206	19203	14207	16544
## ENSG00000236035.2	3	7	2	8	6
## ENSG00000257315.4	38	61	48	76	34
## ENSG00000058673.17	28	53	45	46	25
## ENSG00000182004.13	8151	9593	8988	9685	10451
## ENSG00000232917.5	4	7	7	7	9
## ENSG00000143842.15	2066	2408	2486	2676	2828
## ENSG00000143845.15	1082	1027	1094	1022	1435

## ENSG00000143839.15	2	28	6	42	29
## ENSG00000170498.10	8	10	6	2	13
## ENSG00000174567.8	204	265	243	303	289
## ENSG00000143850.16	1792	2362	2190	2379	2353
## ENSG00000219133.2	11	17	24	25	27
## ENSG00000226330.1	3	4	5	7	4
## ENSG00000158615.10	5021	6635	6320	6776	5630
## ENSG00000288934.2	2	14	3	5	7
## ENSG00000133056.14	2251	2620	2657	2913	2583
## ENSG00000198625.14	2026	2361	2511	2416	1934
## ENSG00000240710.1	3	4	3	6	5
## ENSG00000170382.12	914	795	973	819	1160
## ENSG00000240219.1	8	12	12	10	7
## ENSG00000163531.17	1000	567	1238	551	833
## ENSG00000174529.7	181	232	234	284	210
## ENSG00000117222.14	2906	3297	3304	3597	2889
## ENSG00000133059.18	2325	2767	2713	2829	2433
## ENSG00000133069.17	651	507	656	487	647
## ENSG00000163545.11	4471	7256	5034	6924	5989
## ENSG00000162873.15	100	122	86	138	124
## ENSG00000235363.1	241	314	301	329	416
## ENSG00000186007.10	78	102	92	113	88
## ENSG00000281406.2	204	317	271	379	236
## ENSG00000224717.1	43	46	48	59	57
## ENSG00000117266.16	1044	1174	1353	1408	1271
## ENSG00000174514.13	116	102	129	93	147
## ENSG00000158711.14	1172	1532	1474	1581	1103
## ENSG00000158715.6	775	787	846	883	1032
## ENSG00000069275.13	52300	67661	63325	63628	57437
## ENSG00000117280.13	1776	1865	2183	1935	1882
## ENSG00000133065.11	3096	3886	3814	3970	3648
## ENSG00000286619.1	1	13	6	4	1
## ENSG00000162877.13	78	56	78	54	93
## ENSG00000174502.19	1507	1985	1786	1921	1650
## ENSG00000276600.5	56	37	47	31	37
## ENSG00000196188.12	2115	3888	2415	3186	2111
## ENSG00000196550.11	173	173	169	176	161
## ENSG00000266028.8	3090	3271	3651	3349	3223
## ENSG00000263528.8	699	820	768	745	795
## ENSG00000266094.8	503	765	574	817	599
## ENSG00000234981.1	19	12	19	33	29
## ENSG00000143486.16	4559	5349	4980	5278	5309
## ENSG00000237605.3	8	16	15	7	7
## ENSG00000143479.18	926	662	991	678	1017
## ENSG00000162889.11	6805	8446	8367	8795	8414
## ENSG00000224114.1	390	447	477	461	696
## ENSG00000162892.16	3	12	0	14	13
## ENSG00000226945.1	5	0	2	7	7
## ENSG00000162896.6	21	39	47	37	7
## ENSG00000182795.13	5537	5557	5930	5564	6021
## ENSG00000123836.15	1238	1384	1512	1494	1031
## ENSG00000180667.11	2292	3569	2896	3159	2545
## ENSG00000123843.13	96	60	87	62	94
## ENSG00000123838.11	17	27	9	36	20

## ENSG00000196352.18	3228	3083	3576	3412	3368
## ENSG00000117322.19	41	33	39	41	29
## ENSG00000203710.12	10	4	7	1	4
## ENSG00000117335.21	6219	9286	7820	9618	6658
## ENSG00000203709.14	6	19	18	12	11
## ENSG00000076356.7	2251	1732	2607	1853	2521
## ENSG00000230937.13	32	94	54	89	61
## ENSG00000008118.10	35	24	37	15	23
## ENSG00000196878.15	200	453	251	571	301
## ENSG00000123689.6	12	11	15	13	13
## ENSG00000009790.15	9	6	11	13	5
## ENSG00000162757.4	43	49	51	68	52
## ENSG00000117595.13	1149	1986	1484	1922	1296
## ENSG00000117597.18	1826	2493	2169	2332	2017
## ENSG00000143469.21	222	240	282	203	245
## ENSG00000203706.9	54	69	84	59	97
## ENSG00000082497.12	412	392	474	399	484
## ENSG00000228110.4	5	6	10	16	13
## ENSG00000054392.13	1061	1568	1297	1473	1512
## ENSG00000143473.14	27	32	16	16	30
## ENSG00000234004.4	17	16	23	32	23
## ENSG00000226986.4	5	4	6	9	15
## ENSG00000117625.14	1497	1767	1734	1807	1456
## ENSG00000082512.15	187	162	216	162	119
## ENSG00000153363.15	272	370	306	362	342
## ENSG00000236809.2	42	39	38	47	39
## ENSG00000198570.7	29	8	22	16	40
## ENSG00000170385.10	2326	3681	2976	3120	2952
## ENSG00000117650.13	2331	2865	2858	2659	2572
## ENSG00000123684.13	6280	8838	7911	8231	6763
## ENSG00000143493.13	2576	3005	2876	2966	2624
## ENSG00000143476.18	3145	3396	3539	3118	3509
## ENSG00000220749.4	5137	6606	5805	5486	6112
## ENSG00000226251.8	8	10	8	9	10
## ENSG00000066027.12	5380	6511	6479	6535	5735
## ENSG00000225338.1	28	52	48	59	78
## ENSG00000065600.13	1695	2254	2029	2448	2240
## ENSG00000287445.1	11	4	8	22	13
## ENSG00000117691.10	2521	2843	2664	2869	3552
## ENSG00000260805.3	38	48	51	39	40
## ENSG00000288007.1	17	27	17	10	17
## ENSG00000162772.18	2638	4351	3265	4461	3464
## ENSG00000123685.9	27	57	51	54	58
## ENSG00000117697.15	2583	3173	2876	2953	2929
## ENSG00000203705.11	541	655	557	657	529
## ENSG00000198468.11	22	30	43	44	34
## ENSG00000162769.13	3239	3867	4108	3920	3005
## ENSG00000143494.16	1065	1313	1386	1248	1190
## ENSG00000174606.14	2107	2699	2534	2462	2228
## ENSG00000136643.12	2065	2465	2347	2312	2103
## ENSG00000230461.10	53	74	84	75	78
## ENSG00000117707.17	1765	2402	2225	2043	1954
## ENSG00000274895.1	7	10	6	4	3
## ENSG00000143499.14	2729	3065	2768	2973	2977

## ENSG00000152104.12	4897	6068	5963	6326	5029
## ENSG00000117724.15	13506	15472	15749	15191	13997
## ENSG00000082482.14	40	21	39	30	44
## ENSG00000136636.13	5951	7115	7569	7250	6285
## ENSG00000042781.14	37	14	39	19	25
## ENSG00000196482.18	846	332	912	327	719
## ENSG00000092978.11	1774	2216	2194	2289	1884
## ENSG00000162814.11	288	342	351	323	345
## ENSG00000067533.6	3367	4031	4070	3610	3605
## ENSG00000232480.3	13	9	15	16	10
## ENSG00000092969.12	7725	5711	8674	4789	6547
## ENSG00000228063.4	7	8	11	7	6
## ENSG00000143353.12	1209	1534	1314	1405	1312
## ENSG00000225920.2	7	5	9	11	9
## ENSG00000287676.1	6	3	4	5	7
## ENSG00000215817.9	12	13	15	23	17
## ENSG00000196660.12	529	431	586	516	513
## ENSG00000136628.18	20877	24649	22728	22933	20791
## ENSG00000162813.18	2727	3455	3039	3499	3135
## ENSG00000067704.10	12291	15749	14779	16191	13265
## ENSG00000232134.1	7	6	8	7	15
## ENSG00000118873.17	4495	5802	5539	6396	4341
## ENSG00000218283.2	1316	1564	1545	1742	1592
## ENSG00000232883.1	11	10	7	14	12
## ENSG00000116141.17	494	371	640	473	583
## ENSG00000162817.7	790	991	1076	1253	1059
## ENSG00000117791.16	248	221	313	240	276
## ENSG00000186205.14	1812	1990	1979	1984	2018
## ENSG00000221571.3	2	8	14	7	5
## ENSG00000289142.1	4	7	7	6	8
## ENSG00000136630.13	13	19	14	35	23
## ENSG00000286398.1	6	14	3	10	4
## ENSG00000143507.18	822	1244	1017	1167	1081
## ENSG00000228437.5	7	9	18	13	10
## ENSG00000276997.4	10	6	10	1	3
## ENSG00000143498.18	705	839	843	706	721
## ENSG00000225265.2	120	209	180	158	146
## ENSG00000154305.18	5219	6295	6008	6038	5199
## ENSG00000272750.1	84	104	102	92	135
## ENSG00000186063.13	5464	6364	6349	5719	5622
## ENSG00000162819.12	2697	3783	3209	2982	2828
## ENSG00000154309.9	920	1390	1074	1334	1185
## ENSG00000187554.14	83	44	92	60	65
## ENSG00000143502.16	264	154	306	171	348
## ENSG00000203697.12	29	126	36	82	50
## ENSG00000162909.18	20129	22572	21650	20781	23215
## ENSG00000143514.18	7736	9908	9531	10360	8410
## ENSG00000288999.2	18	20	16	16	20
## ENSG00000188460.4	3	9	12	18	10
## ENSG00000291068.1	166	183	211	234	205
## ENSG00000290989.1	31	55	34	44	49
## ENSG00000278467.1	1	7	5	7	4
## ENSG00000143756.12	3810	5392	4576	4666	4215
## ENSG00000236773.1	4	6	8	8	7

## ENSG00000143753.14	4730	6361	5372	6126	5645
## ENSG00000237101.1	8	7	7	18	22
## ENSG00000143748.18	2779	3107	2865	3131	2864
## ENSG00000143771.12	5178	7012	6029	7284	6866
## ENSG00000162923.18	8531	10664	10301	10560	9154
## ENSG00000143786.8	113	73	109	128	129
## ENSG00000185842.16	588	882	684	867	562
## ENSG00000143815.15	12590	15144	14999	13702	13468
## ENSG00000154380.19	25713	35819	32718	31748	29342
## ENSG00000289602.1	14	11	17	12	18
## ENSG00000143742.14	27678	38061	32953	30159	32164
## ENSG00000143819.13	4702	4034	5278	3933	5953
## ENSG00000242861.1	30	49	45	63	30
## ENSG00000196187.12	2814	4111	3417	4021	3325
## ENSG00000243709.1	30	54	36	48	32
## ENSG00000143811.20	1497	1734	1755	1895	2107
## ENSG00000143751.10	1922	2919	2475	2981	2412
## ENSG00000272562.2	5	8	4	6	9
## ENSG00000163041.13	13913	16745	16259	15594	18953
## ENSG00000225518.3	32	20	20	3	17
## ENSG00000182827.9	3296	4882	4465	4401	3883
## ENSG00000185155.12	35	19	26	25	51
## ENSG00000183814.16	958	1201	1059	1227	1024
## ENSG00000143799.14	29724	32921	34883	34386	33443
## ENSG00000229965.1	38	67	31	86	79
## ENSG00000203685.11	45	49	44	82	47
## ENSG00000143772.11	500	523	640	508	607
## ENSG00000143801.18	44	26	35	44	18
## ENSG00000163050.18	12	18	17	37	30
## ENSG00000143776.20	3061	3785	3773	4138	2931
## ENSG00000181450.18	1760	2601	2166	2162	1770
## ENSG00000143740.15	2195	2581	2510	2605	3001
## ENSG00000081692.13	927	1055	921	1021	1192
## ENSG00000286389.2	29	19	15	10	22
## ENSG00000143816.8	234	250	366	239	284
## ENSG00000143761.17	25890	30189	28794	31337	34853
## ENSG00000143793.13	849	978	986	944	1188
## ENSG00000162910.19	1124	1038	1157	1215	1620
## ENSG00000280157.1	11	5	8	3	15
## ENSG00000143774.18	4458	4855	4599	5030	6374
## ENSG00000198835.4	41	36	55	54	41
## ENSG00000181873.13	565	652	655	672	637
## ENSG00000162913.10	22	20	26	19	29
## ENSG00000154358.23	1494	1865	1789	2018	1518
## ENSG00000269934.3	51	38	51	41	55
## ENSG00000270110.2	15	22	15	16	11
## ENSG00000287315.1	88	146	119	135	90
## ENSG00000154370.16	2196	2531	2330	2404	2721
## ENSG00000231563.3	25	24	20	22	23
## ENSG00000162931.12	127	196	172	218	181
## ENSG00000181218.6	444	499	455	541	644
## ENSG00000196890.5	28	26	31	26	28
## ENSG00000168159.15	8082	8971	9327	9203	11060
## ENSG00000234975.6	52	25	44	40	77

## ENSG00000116574.6	7474	7164	8927	6581	7043
## ENSG00000177788.7	509	555	546	592	508
## ENSG00000168118.12	4941	5869	5756	5211	5630
## ENSG00000154429.11	1250	1655	1564	1607	1468
## ENSG00000143632.15	275	231	299	170	294
## ENSG00000069248.12	7626	9021	8658	8940	8066
## ENSG00000135776.5	2919	4206	3635	3588	3261
## ENSG00000135801.11	2250	2585	2595	2756	2537
## ENSG00000135763.10	3318	3469	3552	3695	3587
## ENSG00000213028.3	5	7	6	6	1
## ENSG00000143641.10	7665	9549	8680	9557	9165
## ENSG00000177614.11	615	781	776	834	758
## ENSG00000135775.14	3370	4234	3519	4043	3653
## ENSG00000135744.9	377	563	592	782	601
## ENSG00000244137.1	6	8	5	7	11
## ENSG00000135773.13	39	53	45	41	53
## ENSG00000119280.17	10143	10153	11491	10809	12082
## ENSG00000223393.2	43	55	59	62	59
## ENSG00000143643.13	1976	2289	2166	2211	2157
## ENSG00000173409.14	657	880	800	877	854
## ENSG00000182118.8	1045	1249	1117	1315	1335
## ENSG00000227934.1	4	5	2	6	4
## ENSG00000119283.16	32	43	54	56	43
## ENSG00000143633.13	1293	1709	1517	1860	1645
## ENSG00000116906.13	7083	8406	7775	7747	7929
## ENSG00000116903.7	1139	1454	1395	1399	1244
## ENSG00000010072.16	1217	1605	1395	1580	1352
## ENSG00000135766.9	457	529	547	530	561
## ENSG00000287856.1	2	6	4	8	2
## ENSG00000233461.6	189	277	230	232	256
## ENSG00000116918.15	2086	3075	2539	2531	2237
## ENSG00000162946.24	265	329	280	348	274
## ENSG00000116991.12	4544	4730	5691	5172	4478
## ENSG00000212916.6	357	385	423	427	320
## ENSG00000135778.12	3866	5075	4387	5008	5364
## ENSG00000135749.20	1374	1682	1612	1761	1582
## ENSG00000231940.1	14	13	13	19	16
## ENSG00000143674.11	1692	2041	2326	2008	1748
## ENSG00000289305.1	10	15	5	25	14
## ENSG00000135750.15	691	1135	951	1166	865
## ENSG00000225486.1	3	1	11	4	5
## ENSG00000183780.13	52	41	70	36	51
## ENSG00000235605.1	3	5	3	10	8
## ENSG00000231663.3	8	12	13	31	15
## ENSG00000168275.16	1238	1728	1338	1630	1464
## ENSG00000059588.10	1532	2226	1927	2318	1605
## ENSG00000168264.11	10502	14842	13379	14471	12728
## ENSG00000224939.1	5	0	0	5	1
## ENSG00000227630.4	16	17	25	8	13
## ENSG00000238005.5	14	13	17	14	20
## ENSG00000280587.3	31	42	22	43	26
## ENSG00000273416.1	4	10	13	17	15
## ENSG00000173726.11	32351	40539	37846	37675	36486
## ENSG00000207181.1	7	5	7	19	10

## ENSG00000188739.15	49	79	91	95	85
## ENSG00000054267.22	3969	5358	5202	5424	3985
## ENSG00000152904.11	1837	2466	2045	2196	1948
## ENSG00000285053.1	500	675	572	583	509
## ENSG00000284770.2	19	39	24	30	35
## ENSG00000162885.14	3130	4079	3955	4470	3541
## ENSG00000168243.11	2929	1658	3002	1539	2686
## ENSG00000143669.16	1015	1337	1223	1514	869
## ENSG00000235674.2	4	7	5	8	5
## ENSG00000116962.15	11100	16256	13852	16700	13298
## ENSG00000077585.14	2003	2572	2289	2456	2447
## ENSG00000086619.15	6778	3927	7432	3510	5931
## ENSG00000186197.15	2492	2710	2525	2490	2630
## ENSG00000116977.19	7038	10483	7598	9745	8273
## ENSG00000223776.5	271	373	284	379	384
## ENSG00000273058.2	24	29	28	20	21
## ENSG00000230325.1	3	16	13	13	6
## ENSG00000119285.11	7396	8657	8181	8445	7208
## ENSG00000077522.15	6	25	18	24	27
## ENSG00000116984.15	2580	3336	3317	3540	2814
## ENSG00000237991.3	16	22	15	31	49
## ENSG00000198626.18	189	140	254	148	128
## ENSG00000133019.12	68	99	82	114	97
## ENSG00000155816.21	214	181	252	186	220
## ENSG00000228818.1	16	12	15	23	23
## ENSG00000180875.5	144	55	179	100	90
## ENSG00000182901.18	138	153	143	157	181
## ENSG00000286496.1	5	8	1	6	7
## ENSG00000287516.1	9	9	10	12	11
## ENSG00000091483.8	8759	10295	10191	10232	10792
## ENSG00000117009.12	12	8	15	18	13
## ENSG00000054277.14	493	719	704	643	692
## ENSG00000203668.3	1889	2180	2156	1977	1762
## ENSG00000287513.1	1	14	11	9	6
## ENSG00000229022.1	16	14	19	25	39
## ENSG00000174371.17	1903	1986	2279	1869	2084
## ENSG00000197769.6	4	8	7	8	8
## ENSG00000180287.17	602	1278	730	908	867
## ENSG00000230199.1	13	10	18	25	28
## ENSG00000291217.1	11	34	9	42	14
## ENSG00000143702.16	5302	6281	6257	5892	5075
## ENSG00000054282.16	1589	2045	1712	2067	1778
## ENSG00000117020.19	3227	2689	3932	2605	2899
## ENSG00000179456.12	1459	1730	1773	1725	1610
## ENSG00000035687.10	4077	5286	4872	5133	4354
## ENSG00000179397.18	4	5	10	17	7
## ENSG00000121644.19	5532	6645	6274	6041	5688
## ENSG00000203667.10	24	34	44	43	42
## ENSG00000153187.21	65595	75888	74537	70150	72604
## ENSG00000272195.1	6	8	9	4	2
## ENSG00000203666.13	617	608	617	628	602
## ENSG00000162849.16	2158	3270	2591	3642	2793
## ENSG00000185420.19	1058	1191	1233	1138	1304
## ENSG00000162851.8	1440	1835	1602	1890	1659

## ENSG00000162852.14	2789	3676	3375	3755	2960
## ENSG00000260698.1	7	14	7	9	10
## ENSG00000143653.10	4722	5121	5240	5247	5403
## ENSG00000223519.9	3	15	14	16	7
## ENSG00000260855.1	54	63	72	65	57
## ENSG00000227953.7	28	29	49	31	38
## ENSG00000153207.16	7945	10048	9824	10359	7873
## ENSG00000197472.15	364	406	403	354	356
## ENSG00000135747.11	18	18	29	17	26
## ENSG00000277462.2	1485	1826	1837	1694	1535
## ENSG00000188295.15	1406	1635	1493	1502	1283
## ENSG00000286747.1	55	37	37	41	48
## ENSG00000221953.5	38	53	64	53	52
## ENSG00000196418.13	1367	1859	1573	1802	1470
## ENSG00000224014.1	5	7	1	6	4
## ENSG00000215795.2	5	4	7	4	6
## ENSG00000259865.1	89	135	119	110	69
## ENSG00000290124.1	8	27	11	15	17
## ENSG00000227671.5	307	534	426	544	340
## ENSG00000290683.1	45	75	80	118	40
## ENSG00000214144.3	20	23	24	30	35
## ENSG00000202079.1	2	9	6	7	10
## ENSG00000162714.13	5315	5931	6007	5966	6055
## ENSG00000289234.2	1184	1439	1363	1452	1544
## ENSG00000286216.1	6	7	11	2	5
## ENSG00000235749.3	6	3	10	7	5
## ENSG00000162722.9	768	890	961	764	810
## ENSG00000238243.3	38	63	54	51	52
## ENSG00000175137.11	3330	3686	3602	3777	4203
## ENSG00000264500.1	5	8	8	6	9
## ENSG00000171161.13	3174	3628	3736	3744	4312
## ENSG00000171163.16	544	650	695	849	623
## ENSG00000185220.12	276	438	408	396	394
## ENSG00000184731.6	328	409	370	400	361
## ENSG00000035115.22	2584	4183	3175	3725	2733
## ENSG00000143727.16	8932	11178	9910	10949	10822
## ENSG00000189292.17	27	13	25	15	15
## ENSG00000151353.15	1195	1634	1361	1674	1630
## ENSG00000233296.2	7	9	7	12	4
## ENSG00000223751.2	8	5	7	3	4
## ENSG00000130508.11	34542	44252	39103	43497	41659
## ENSG00000186487.21	51	13	34	9	18
## ENSG00000032389.13	2291	2746	2354	2641	2986
## ENSG00000224885.1	6	8	7	4	8
## ENSG00000171853.16	1821	1991	2093	2137	2296
## ENSG00000225234.1	34	51	35	58	35
## ENSG00000271868.1	8	6	8	12	8
## ENSG00000182551.14	3594	4423	3609	3870	4233
## ENSG00000235078.1	6	12	16	19	18
## ENSG00000286905.1	3	11	10	13	7
## ENSG00000171865.10	3403	4268	3949	4041	3990
## ENSG00000234171.5	682	759	723	738	811
## ENSG00000287126.1	319	346	324	344	364
## ENSG00000171863.15	78398	99064	83303	99191	107604

## ENSG00000118004.18	7	11	8	23	30
## ENSG00000188765.7	19	18	26	36	51
## ENSG00000230090.5	17	11	14	6	18
## ENSG00000176887.7	9719	10287	11912	8637	11794
## ENSG00000242540.3	17	23	24	30	30
## ENSG00000236106.3	10	8	11	22	24
## ENSG00000232044.8	2	5	8	2	3
## ENSG00000205837.7	3	2	5	0	9
## ENSG00000134326.12	128	116	159	101	138
## ENSG00000134321.13	78	58	92	63	72
## ENSG00000271947.1	1	12	14	10	0
## ENSG00000228203.8	218	188	251	148	187
## ENSG00000151692.15	2658	3082	3310	2997	2928
## ENSG00000223884.7	27	21	22	16	15
## ENSG00000272002.1	20	13	13	11	29
## ENSG00000229727.7	4	5	6	3	9
## ENSG00000236790.7	4	11	8	4	10
## ENSG00000236008.5	35	35	40	37	37
## ENSG00000231083.1	3	12	7	22	11
## ENSG00000235092.7	287	462	356	545	327
## ENSG00000115738.10	11384	18726	13572	19746	16444
## ENSG00000134313.17	11211	14269	13230	14424	11364
## ENSG00000143797.12	2687	2984	3079	2817	2867
## ENSG00000261104.1	5	9	5	3	9
## ENSG00000151693.11	2460	2891	2933	3370	2606
## ENSG00000213772.3	8	12	11	15	20
## ENSG00000119185.13	2148	2409	2200	2398	2539
## ENSG00000119203.14	8898	10073	9764	9416	9979
## ENSG00000134330.19	2285	2798	2594	2855	2869
## ENSG00000151694.15	5499	7656	6278	7650	5890
## ENSG00000239300.6	2	0	4	5	5
## ENSG00000271855.1	13	20	9	17	12
## ENSG00000134308.14	54886	63690	61643	59657	67096
## ENSG00000115750.17	1461	1947	1782	1769	1573
## ENSG00000269973.1	176	213	189	182	192
## ENSG00000134317.18	507	744	680	724	588
## ENSG00000260077.1	109	115	114	127	123
## ENSG00000172059.11	1119	1535	1412	1577	1333
## ENSG00000205795.5	30	47	51	58	37
## ENSG00000171848.16	11706	13223	13033	13002	13752
## ENSG00000285872.3	34	42	39	37	35
## ENSG00000115756.13	749	765	797	795	1025
## ENSG00000115758.14	67199	76205	69756	70821	86032
## ENSG00000257135.8	112	134	129	155	143
## ENSG00000115761.17	3468	3945	3754	3588	3473
## ENSG00000234818.1	1	5	3	6	5
## ENSG00000243819.4	22	19	22	16	22
## ENSG00000143882.12	85	111	78	115	98
## ENSG00000272275.1	52	86	69	90	80
## ENSG00000143870.13	41508	56604	48538	56699	52214
## ENSG00000162975.5	56	93	69	107	99
## ENSG00000150873.12	17	11	5	8	19
## ENSG00000162976.13	608	689	741	676	670
## ENSG00000134318.16	5361	7346	6832	7011	5280

## ENSG00000169016.17	2312	2684	2536	2557	2588
## ENSG00000196208.14	4075	4858	4795	4944	4562
## ENSG00000134324.12	1346	1714	1569	1924	1392
## ENSG00000228496.2	9	9	7	12	13
## ENSG00000224184.7	11	8	5	5	9
## ENSG00000286427.1	1	12	6	2	9
## ENSG00000071575.12	3411	3622	3724	3632	3697
## ENSG00000162981.14	3449	6764	4287	6334	5068
## ENSG00000151779.14	7424	8926	8610	8590	7909
## ENSG00000079785.16	15608	19023	17840	19345	17208
## ENSG00000233718.9	66	66	87	92	85
## ENSG00000134323.13	7533	7673	9180	8501	10609
## ENSG00000236289.4	59	74	50	88	57
## ENSG00000236989.5	2	7	7	8	6
## ENSG00000197872.11	322	883	459	849	527
## ENSG00000163032.12	199	242	259	262	253
## ENSG00000163029.16	3074	3807	3639	3730	3159
## ENSG00000178295.15	1376	1769	1616	1656	1403
## ENSG00000170745.12	852	686	953	680	861
## ENSG00000260331.1	7	2	5	4	5
## ENSG00000240857.2	1051	1457	1265	1330	1104
## ENSG00000185013.17	9	9	12	1	5
## ENSG00000236204.7	54	44	53	46	46
## ENSG00000143867.7	267	271	258	296	465
## ENSG00000228784.9	2	7	7	13	10
## ENSG00000183891.6	99	130	115	135	97
## ENSG00000118965.16	1586	1641	1786	1773	1562
## ENSG00000227210.2	22	38	36	29	45
## ENSG00000132031.13	753	1124	1007	1043	943
## ENSG00000068697.7	22468	31325	26922	33234	30816
## ENSG00000115884.11	10463	13877	11516	13531	16386
## ENSG00000235411.1	2	5	8	9	7
## ENSG00000055917.17	9502	12089	11431	11837	9976
## ENSG00000143878.10	4331	5414	4861	5315	5848
## ENSG00000279307.2	22	33	13	31	31
## ENSG00000118960.13	1941	2473	2095	2403	2522
## ENSG00000231948.2	2	9	4	8	3
## ENSG00000143869.7	337	273	462	320	407
## ENSG00000118961.15	4423	5616	5025	5460	4888
## ENSG00000261012.2	9	19	4	15	10
## ENSG00000084674.15	20851	35888	30099	41621	26697
## ENSG00000233005.2	5	2	7	6	19
## ENSG00000235537.3	5	2	4	5	5
## ENSG00000228999.4	13	5	15	9	12
## ENSG00000119771.15	3011	2739	3258	2921	3540
## ENSG00000283031.2	2	10	13	6	9
## ENSG00000119778.15	1923	2535	2535	2668	2014
## ENSG00000173960.14	3564	4769	4354	4316	4024
## ENSG00000205639.12	12	10	14	6	26
## ENSG00000163026.12	2061	2142	2212	2212	2191
## ENSG00000119782.14	622	552	652	639	690
## ENSG00000115128.7	5058	6066	5590	5809	5829
## ENSG00000219626.9	133	151	171	189	148
## ENSG00000115129.14	3027	4686	3081	4392	4913

## ENSG00000176732.7	16	24	15	21	9
## ENSG00000198399.16	1259	1811	1594	1745	1137
## ENSG00000233747.1	4	7	6	8	6
## ENSG00000084676.16	1988	2328	2185	2456	1910
## ENSG00000184924.6	784	958	747	794	1003
## ENSG00000138092.11	2418	2673	2637	2652	2813
## ENSG00000138031.15	1917	2171	2049	2326	2231
## ENSG00000271936.1	96	120	116	104	128
## ENSG00000115137.12	339	497	460	550	394
## ENSG00000224165.8	15	21	23	20	25
## ENSG00000084710.14	2161	2375	2783	2540	2697
## ENSG00000115138.11	54	82	75	95	114
## ENSG00000119772.19	8250	10538	9508	10726	9334
## ENSG00000235072.2	34	49	30	51	37
## ENSG00000138101.20	1213	1568	1364	1656	1352
## ENSG00000143970.18	3428	4240	4345	4437	3557
## ENSG00000217643.1	11	14	11	4	12
## ENSG00000084731.15	5595	5612	6502	5496	6259
## ENSG00000084733.11	14300	17981	16575	16842	16256
## ENSG00000157833.13	1286	928	1443	985	1507
## ENSG00000084754.12	21952	25647	24436	23140	24463
## ENSG00000138029.14	6733	8098	7730	7679	7987
## ENSG00000286707.1	38	31	50	30	60
## ENSG00000173567.16	23	24	27	29	22
## ENSG00000138018.19	10940	16174	13174	15183	11737
## ENSG00000157856.12	167	148	171	149	212
## ENSG00000115155.19	7	5	7	4	3
## ENSG00000171303.8	219	108	266	91	168
## ENSG00000213699.9	2877	3436	3228	3584	3659
## ENSG00000115163.15	812	879	963	953	928
## ENSG00000157851.17	8271	5519	8686	5167	10343
## ENSG00000084764.12	525	497	608	485	715
## ENSG00000119777.20	4571	5643	5077	5809	5733
## ENSG00000084693.16	4808	5024	5036	4891	5818
## ENSG00000229122.1	14	4	11	4	9
## ENSG00000272148.1	9	5	12	7	9
## ENSG00000228474.6	6573	7865	7068	8161	9143
## ENSG00000138080.14	111	161	118	197	236
## ENSG00000138030.14	255	173	246	173	289
## ENSG00000138028.17	130	126	159	121	152
## ENSG00000143994.14	6	13	15	5	12
## ENSG00000138073.14	4399	4629	4674	5073	5480
## ENSG00000138074.15	7574	8238	8188	8251	9269
## ENSG00000138085.18	6020	7359	6312	7367	7674
## ENSG00000084774.14	10870	10871	11946	10557	11849
## ENSG00000115194.11	0	3	6	2	8
## ENSG00000163794.6	10	5	8	4	9
## ENSG00000115204.15	1829	2195	2078	2218	2436
## ENSG00000115207.15	6580	7554	7300	7698	7467
## ENSG00000234072.1	922	1217	1118	1065	1219
## ENSG00000115211.17	3878	4150	4108	4220	4796
## ENSG00000115234.11	6344	7056	6374	7158	8049
## ENSG00000163795.14	1148	1509	1210	1377	1509
## ENSG00000115241.11	17551	19392	20410	18383	22091

## ENSG00000213453.3	10	11	6	16	18
## ENSG00000115216.14	10775	13572	12112	13016	13620
## ENSG00000157992.12	1129	1379	1239	1349	1398
## ENSG00000138002.16	799	910	960	825	884
## ENSG00000115226.10	636	831	803	803	982
## ENSG00000084734.9	13	9	15	7	12
## ENSG00000221843.6	201	260	204	247	213
## ENSG00000243943.10	2348	2569	2584	2737	2549
## ENSG00000176714.10	217	283	264	248	236
## ENSG00000198522.14	3591	4309	3830	4028	3859
## ENSG00000119760.16	2235	2868	2683	2991	2615
## ENSG00000163798.14	2233	2632	2583	2736	2497
## ENSG00000205334.4	2	6	6	6	4
## ENSG00000289326.2	41	65	40	70	74
## ENSG00000243147.8	2708	3355	2971	3245	3464
## ENSG00000171174.15	197	232	253	246	242
## ENSG00000158019.21	2027	2382	2328	2179	2530
## ENSG00000265321.1	13	19	15	19	12
## ENSG00000229951.6	5	12	5	5	2
## ENSG00000075426.12	8930	11678	11077	12016	10401
## ENSG00000270640.1	8	2	3	2	6
## ENSG00000270210.1	2	8	9	2	7
## ENSG00000163803.13	37	34	28	21	31
## ENSG00000226833.7	14	24	29	30	18
## ENSG00000213639.11	12128	16116	15900	13507	12476
## ENSG00000163806.16	11	14	5	9	4
## ENSG00000171103.11	1138	1314	1262	1297	1241
## ENSG00000163811.12	8986	12032	10836	11447	10038
## ENSG00000189350.13	42	20	38	21	22
## ENSG00000179270.7	11	1	10	6	1
## ENSG00000115295.21	593	690	726	768	536
## ENSG00000171094.18	25	36	20	40	33
## ENSG00000119801.13	3511	4551	4027	4471	4314
## ENSG00000213626.13	3787	2529	4585	3243	4583
## ENSG00000172954.14	1595	2048	1962	2253	1655
## ENSG00000162949.16	1477	2164	1513	1957	1386
## ENSG00000230118.1	7	15	12	16	5
## ENSG00000158089.15	503	288	549	304	471
## ENSG00000214711.10	37	55	60	46	45
## ENSG00000013016.16	2307	1994	2660	2045	2505
## ENSG00000158125.10	40	77	74	81	48
## ENSG00000277893.2	7	19	10	13	10
## ENSG00000162959.14	254	264	265	198	274
## ENSG00000162961.14	3126	3671	3449	3919	3823
## ENSG00000288937.2	8	2	13	9	6
## ENSG00000021574.14	3229	4130	3795	3549	3285
## ENSG00000272716.2	13	10	20	22	17
## ENSG00000152683.14	4196	5723	4845	5383	4418
## ENSG00000229816.1	12	12	10	14	2
## ENSG00000091106.19	19	25	13	17	16
## ENSG00000289727.1	19	28	32	37	24
## ENSG00000119820.11	3031	3956	3749	3626	3321
## ENSG00000115760.16	8231	10706	9665	11837	7599
## ENSG00000276334.1	23	56	30	24	32

## ENSG000000276517.1	22	33	40	22	16
## ENSG00000018699.13	1850	2085	2028	2005	1859
## ENSG00000049323.16	22440	37879	26166	35602	28022
## ENSG000000152689.18	27	40	48	36	28
## ENSG000000119812.20	4279	4935	4532	4739	4426
## ENSG000000187999.4	4	1	7	6	5
## ENSG000000235064.1	5	3	2	12	13
## ENSG000000260025.2	157	155	215	135	187
## ENSG000000150938.10	7211	7610	8340	7732	7200
## ENSG000000171055.15	3197	3981	3520	3552	3607
## ENSG000000115808.13	2740	3901	3517	3675	2870
## ENSG000000008869.12	1586	2068	1930	2332	1499
## ENSG000000152133.17	402	490	520	508	443
## ENSG000000055332.19	4611	6482	5830	6272	4902
## ENSG000000218739.10	3143	4074	3522	3781	3620
## ENSG000000115816.15	6428	7282	6890	7103	6187
## ENSG000000272054.1	32	30	30	40	28
## ENSG000000003509.16	1005	1277	1252	1452	1191
## ENSG000000115825.11	5482	6713	6649	6529	5681
## ENSG000000115828.17	602	384	699	374	501
## ENSG000000236213.4	13	0	9	1	3
## ENSG000000163171.8	18485	18153	19704	17594	19238
## ENSG000000225402.1	3	2	7	2	8
## ENSG000000237803.6	17	13	17	11	19
## ENSG000000115841.21	117	170	158	160	161
## ENSG000000138061.12	466	399	498	346	330
## ENSG000000232973.14	17	19	24	20	17
## ENSG000000119787.14	6374	9357	7596	9036	7138
## ENSG000000213553.4	1503	1831	1473	1682	2376
## ENSG000000143889.16	4533	5714	5330	5535	5024
## ENSG000000235586.1	4	10	12	11	3
## ENSG000000143891.17	1969	2265	2293	2290	2194
## ENSG000000115875.19	12023	13789	13328	13427	14329
## ENSG000000152147.11	1366	1737	1608	1863	1630
## ENSG000000163214.21	3920	4558	4333	4438	4098
## ENSG000000223922.1	6	5	2	5	2
## ENSG000000188010.16	1410	1478	1358	1333	1537
## ENSG000000214694.13	45	52	49	39	43
## ENSG000000269210.3	6	14	12	13	19
## ENSG000000115904.15	5867	7636	7425	7629	5812
## ENSG000000205111.10	18	8	15	14	6
## ENSG000000011566.15	3884	5213	4782	5012	4218
## ENSG000000231312.8	384	554	520	511	498
## ENSG000000289003.1	17	19	14	13	7
## ENSG000000152154.12	453	363	467	353	588
## ENSG000000138050.15	696	1009	891	956	796
## ENSG000000183023.19	140	152	195	181	155
## ENSG000000236090.2	5	12	7	11	16
## ENSG000000236533.1	9	10	10	21	24
## ENSG000000214691.9	13	26	20	25	20
## ENSG000000234362.7	9	10	4	7	16
## ENSG000000226398.1	6	4	5	3	3
## ENSG000000162878.13	17548	22587	21191	27401	25150
## ENSG000000143924.19	12501	16764	15440	17177	13643

## ENSG00000115944.15	6414	8595	7781	8492	8246
## ENSG00000171126.8	21	18	28	20	27
## ENSG00000057935.14	4773	5812	5813	6073	5652
## ENSG00000200550.1	6	13	12	7	11
## ENSG00000162881.7	62	75	108	93	106
## ENSG00000162882.15	374	371	431	436	583
## ENSG00000288886.2	340	392	384	432	443
## ENSG00000289082.1	24	46	36	39	36
## ENSG00000226491.1	18	41	31	29	35
## ENSG00000231826.9	38	73	54	57	48
## ENSG00000230587.5	3	9	10	10	12
## ENSG00000287387.1	2	7	7	11	4
## ENSG00000152518.8	10481	14337	12370	13103	12853
## ENSG00000279873.2	10	1	7	8	7
## ENSG00000234936.1	4	7	5	11	9
## ENSG00000115970.19	4273	5147	4787	5172	4302
## ENSG00000152527.14	309	614	384	694	396
## ENSG00000223658.8	12	12	16	5	9
## ENSG00000138036.18	1264	1538	1420	1445	1253
## ENSG00000138075.14	3	9	6	10	2
## ENSG00000138095.20	29282	35753	33389	35367	29978
## ENSG00000138032.21	2328	3692	2973	3163	2684
## ENSG00000289272.1	2	11	5	5	7
## ENSG00000138079.14	18	65	26	62	19
## ENSG00000138078.16	4329	5565	5337	5631	4525
## ENSG00000143919.16	570	662	618	761	645
## ENSG00000231848.1	2	6	5	9	7
## ENSG00000170577.8	37	52	43	36	110
## ENSG00000068784.13	1906	2297	2251	2181	1930
## ENSG00000171132.14	686	907	826	1130	811
## ENSG00000116016.14	3339	8826	4819	9639	5093
## ENSG00000250565.7	579	732	721	782	777
## ENSG00000119729.12	3312	4459	4338	3842	3870
## ENSG00000250116.2	10	4	7	18	5
## ENSG00000151665.13	1332	1802	1538	1609	1492
## ENSG00000119878.6	1775	2162	1886	1891	2010
## ENSG00000171150.9	1912	2623	2416	2439	2260
## ENSG00000239332.7	10	14	27	15	21
## ENSG00000228925.1	11	21	11	7	10
## ENSG00000180398.13	13373	18613	15684	18510	15568
## ENSG00000068724.18	1785	1974	1983	2021	2132
## ENSG00000143933.20	45564	57386	55320	55770	59913
## ENSG00000234690.7	62	57	59	54	49
## ENSG00000236824.2	34	23	27	12	41
## ENSG00000119888.11	34070	50676	41929	49384	39269
## ENSG00000207923.1	2	9	10	9	3
## ENSG00000095002.15	6215	6321	7026	6436	6047
## ENSG00000184261.5	41	32	28	24	24
## ENSG00000235760.4	11	3	5	9	7
## ENSG00000230979.3	197	163	182	208	394
## ENSG00000116062.19	16880	18496	19700	18925	18247
## ENSG00000138081.22	3973	4959	4686	4903	4083
## ENSG00000233230.3	6	16	12	12	8
## ENSG00000230773.9	12	6	12	14	12

## ENSG00000170802.17	1508	2332	2028	2290	1709
## ENSG00000272663.1	19	11	6	14	14
## ENSG00000162869.16	1797	2035	2173	2104	1940
## ENSG00000243244.7	424	500	574	558	548
## ENSG00000138039.15	9	4	2	2	5
## ENSG00000170820.12	19	16	22	10	19
## ENSG00000179915.25	235	115	247	99	223
## ENSG00000204993.3	3	10	9	6	7
## ENSG00000115239.24	1644	1906	1929	1923	1893
## ENSG00000143942.5	292	336	373	294	342
## ENSG00000068912.15	4197	5881	5152	5878	4879
## ENSG00000265452.1	1	5	11	7	2
## ENSG00000119737.6	53	53	63	53	38
## ENSG00000068878.15	12818	16941	15385	16394	13160
## ENSG00000170634.13	302	364	358	354	347
## ENSG00000233266.1	9	16	22	14	16
## ENSG00000272156.1	6	13	15	16	20
## ENSG00000115306.17	44447	62988	50816	61350	50477
## ENSG00000238018.2	25	34	29	38	23
## ENSG00000214595.13	73	49	80	49	65
## ENSG00000115310.19	24353	30932	28777	29956	28209
## ENSG00000162994.16	202	271	284	274	237
## ENSG00000227799.1	22	37	34	22	25
## ENSG00000143947.15	74174	91582	87649	92730	99641
## ENSG00000289606.1	6	17	12	9	11
## ENSG00000085760.15	3093	3729	3554	3690	3416
## ENSG00000293422.1	35	25	31	24	25
## ENSG00000240401.9	8	6	13	11	13
## ENSG00000115355.18	3265	3119	4136	2811	3269
## ENSG00000233594.2	13	16	12	15	14
## ENSG00000163001.12	4191	5102	4633	4748	5355
## ENSG00000275052.5	8688	11298	10136	10671	9357
## ENSG00000138035.15	5966	8949	7022	9008	6652
## ENSG00000115380.20	12220	18868	13659	16955	15448
## ENSG00000272180.1	9	3	8	8	10
## ENSG00000226702.2	67	29	68	27	54
## ENSG00000233251.8	255	189	298	181	200
## ENSG00000055813.6	38	21	49	32	28
## ENSG00000028116.18	1547	2136	1656	2030	1577
## ENSG00000115392.13	1484	2061	1736	1846	1541
## ENSG00000233426.3	194	212	217	250	272
## ENSG00000233723.11	46	43	35	38	36
## ENSG00000231043.3	15	13	18	15	18
## ENSG00000119866.22	440	275	481	263	414
## ENSG00000271707.1	5	10	4	11	12
## ENSG00000115421.13	1974	2618	2455	2688	2133
## ENSG00000162924.16	487	619	612	610	386
## ENSG00000237522.1	17	13	13	28	9
## ENSG00000232713.2	12	10	8	7	5
## ENSG00000162927.14	262	301	334	316	282
## ENSG00000162928.9	2818	3787	3486	3644	2927
## ENSG00000162929.14	1769	2109	2076	2022	1681
## ENSG00000212978.6	509	686	542	616	557
## ENSG00000237651.8	52	78	69	64	64

## ENSG00000293434.1	258	332	394	480	266
## ENSG00000115464.15	8363	11143	9890	11143	7484
## ENSG00000273302.1	5	8	1	2	5
## ENSG00000270820.8	23	34	33	9	30
## ENSG00000082898.19	18402	21936	22372	22306	18706
## ENSG00000289410.2	12	2	7	10	9
## ENSG00000170264.13	826	861	1035	891	787
## ENSG00000115484.15	27490	32109	30324	30486	32531
## ENSG00000286360.1	5	7	10	11	6
## ENSG00000173163.11	1104	1147	1107	1039	1303
## ENSG00000229839.6	13	11	7	15	4
## ENSG00000170340.11	6201	8257	7043	6923	6511
## ENSG00000228541.3	5	14	11	3	8
## ENSG00000186889.10	366	487	438	484	476
## ENSG00000229503.1	4	7	10	8	17
## ENSG00000226622.7	8	2	5	15	4
## ENSG00000115504.15	10199	12996	11711	13329	11419
## ENSG00000231609.7	31	57	33	47	38
## ENSG00000115507.10	172	160	164	195	196
## ENSG00000143951.16	380	396	424	414	407
## ENSG00000014641.21	14402	16692	16643	17134	16832
## ENSG00000228305.2	42	58	40	39	67
## ENSG00000234488.1	1	7	4	6	12
## ENSG00000289943.1	5	12	5	5	12
## ENSG00000169764.16	7067	9424	8353	8667	7184
## ENSG00000143952.20	3016	3825	3399	3598	2825
## ENSG00000197329.12	2285	2590	2688	2382	2506
## ENSG00000225889.10	7	6	10	6	19
## ENSG00000236148.5	29	24	45	42	59
## ENSG00000223935.3	7	17	13	12	11
## ENSG00000119862.13	2351	3283	2991	3186	2665
## ENSG00000260101.2	4	13	7	10	16
## ENSG00000119844.17	2185	2784	2587	2567	2290
## ENSG00000179833.4	2833	3923	3565	3580	3303
## ENSG00000237638.3	83	105	116	123	113
## ENSG00000115902.11	1934	2067	2148	2008	2190
## ENSG00000011523.15	2940	3303	3332	3427	3340
## ENSG00000138069.18	15837	21585	19193	21718	19203
## ENSG00000293332.1	33	39	33	30	31
## ENSG00000172974.11	334	403	422	360	435
## ENSG00000138071.15	31947	44246	39401	38706	33670
## ENSG00000198369.10	3995	5636	4756	5721	5212
## ENSG00000214533.3	6	5	3	2	11
## ENSG00000226819.1	57	20	58	35	54
## ENSG00000143995.20	6087	4211	6913	4204	6427
## ENSG00000230749.5	12	5	18	4	9
## ENSG00000232046.7	67	34	67	35	64
## ENSG00000237179.6	18	13	27	6	16
## ENSG00000223859.1	17	5	14	10	15
## ENSG00000235885.8	18	11	30	10	12
## ENSG00000236780.7	92	33	88	45	79
## ENSG00000143971.9	1561	1782	1711	1724	1460
## ENSG00000197223.12	1147	1598	1343	1371	1313
## ENSG00000243667.7	288	356	334	351	313

## ENSG00000115946.8	3277	4179	3609	3756	3799
## ENSG00000221823.11	3348	4519	3993	3970	3904
## ENSG00000273064.1	11	7	5	8	8
## ENSG00000119865.9	11	9	13	11	17
## ENSG00000204923.4	130	180	154	176	124
## ENSG00000169621.11	521	637	604	597	453
## ENSG00000169618.7	59	60	90	40	98
## ENSG00000163219.12	15	26	15	15	12
## ENSG00000163217.2	33	274	163	353	204
## ENSG00000283586.1	6	8	4	1	0
## ENSG00000169604.21	8638	10172	9840	10067	9927
## ENSG00000198380.13	12509	17704	17141	17217	12753
## ENSG00000169599.13	1602	2051	1726	2010	1970
## ENSG00000115977.21	2784	3343	3193	3220	2756
## ENSG00000232228.1	4	3	7	7	6
## ENSG00000196975.16	22134	31970	25389	28433	29317
## ENSG00000288869.2	5700	4978	6077	4760	6098
## ENSG00000087338.5	5951	8097	7593	7331	6964
## ENSG00000124380.11	2499	3343	2939	2934	3054
## ENSG00000059728.11	681	1160	980	1255	1013
## ENSG00000179818.17	612	683	690	789	717
## ENSG00000169564.7	2565	2932	2861	2946	3454
## ENSG00000231327.3	17	21	24	19	25
## ENSG00000115998.8	633	698	573	647	683
## ENSG00000116001.17	5151	6877	6015	6170	5492
## ENSG00000231414.1	31	46	40	59	71
## ENSG00000116005.12	13364	18292	15799	16741	15666
## ENSG00000143977.14	5640	7459	6481	8235	8421
## ENSG00000035141.10	6814	8147	7206	7759	7964
## ENSG00000163235.16	226	353	332	390	286
## ENSG00000075340.23	506	268	491	268	524
## ENSG00000116035.4	8	12	5	4	13
## ENSG00000144043.13	3652	4379	4048	4230	4519
## ENSG00000144031.12	71	88	101	85	85
## ENSG00000124357.13	1046	1332	1176	1535	1468
## ENSG00000124370.11	173	234	185	240	192
## ENSG00000288065.1	12	20	14	10	17
## ENSG00000124383.11	4477	5357	5080	5407	4868
## ENSG00000233870.1	4	6	9	4	13
## ENSG00000124374.9	1844	1775	2287	1842	1814
## ENSG00000075292.19	9885	12928	11826	12582	9682
## ENSG00000281195.1	3	2	5	8	3
## ENSG00000289463.1	7	32	17	16	19
## ENSG00000135636.16	278	353	361	299	271
## ENSG00000233971.1	11	10	5	17	14
## ENSG00000003137.9	1090	1324	1253	1219	1472
## ENSG00000289615.2	14	12	13	12	17
## ENSG00000144036.16	8305	10161	9434	9879	8924
## ENSG00000116096.6	2175	2814	2377	2635	2852
## ENSG00000135638.14	16	12	24	18	23
## ENSG00000144040.13	1260	1573	1411	1620	1524
## ENSG00000135631.17	3330	3957	3762	4207	4135
## ENSG00000272702.1	11	14	12	11	19
## ENSG00000135632.12	3363	3906	3558	3786	4208

## ENSG00000135617.4	405	528	413	462	604
## ENSG00000135624.17	37703	42998	40977	42167	47829
## ENSG00000163013.12	1038	1169	1357	1503	1272
## ENSG00000135625.8	10	6	5	3	9
## ENSG00000287435.1	10	5	6	6	3
## ENSG00000116127.20	3103	3602	3670	3709	2895
## ENSG00000230002.3	34	37	38	23	33
## ENSG00000144035.4	2	10	6	8	4
## ENSG00000290727.1	15	8	22	13	15
## ENSG00000144034.16	1818	2228	2027	1913	2056
## ENSG00000144048.11	1294	1791	1571	1695	1598
## ENSG00000124356.17	4289	5114	4651	5123	4833
## ENSG00000163017.14	432	634	592	656	718
## ENSG00000114956.20	3315	3996	3840	4384	4553
## ENSG00000237883.4	7	20	12	14	10
## ENSG00000187605.16	4357	5240	5021	5404	4669
## ENSG00000257800.1	32	57	28	62	42
## ENSG00000163170.12	882	1105	955	1121	1147
## ENSG00000225439.4	711	673	871	755	838
## ENSG00000114978.18	9030	13570	11588	12765	10273
## ENSG00000065911.13	12952	17155	15395	16585	15341
## ENSG00000264324.1	3	8	3	8	5
## ENSG00000188687.18	12	27	22	26	20
## ENSG00000229798.1	2	3	3	7	11
## ENSG00000204843.13	14040	14425	15241	13807	16181
## ENSG00000237737.6	4	5	6	2	1
## ENSG00000284308.2	47	36	64	32	66
## ENSG00000233155.1	27	11	17	23	32
## ENSG00000005448.17	1669	1315	1826	1408	2237
## ENSG00000114993.17	3709	4454	4043	4618	4845
## ENSG00000115274.15	5	9	18	15	6
## ENSG00000239779.7	461	539	519	643	713
## ENSG00000115275.15	6439	7966	7376	7883	8664
## ENSG00000135637.14	828	1007	901	1089	958
## ENSG00000115282.21	956	1029	1031	1171	1026
## ENSG00000179528.16	74	88	89	75	121
## ENSG00000272183.1	9	10	6	7	19
## ENSG00000257702.5	295	418	391	367	412
## ENSG00000115289.14	542	721	599	754	703
## ENSG00000144045.14	92	153	83	127	131
## ENSG00000115307.17	6020	7436	6312	7479	8167
## ENSG00000115317.13	1537	1716	1793	1801	1963
## ENSG00000115318.12	1105	963	1267	1041	1377
## ENSG00000115325.14	1112	1151	1143	1149	1517
## ENSG00000159374.18	82	67	83	51	68
## ENSG00000135622.13	702	655	785	670	859
## ENSG00000272711.1	250	239	259	256	281
## ENSG00000159399.10	5070	5801	6542	6499	5987
## ENSG00000115350.12	747	920	805	887	1056
## ENSG00000115353.11	48	45	65	33	48
## ENSG00000270571.2	12	25	13	27	10
## ENSG00000115363.14	134	129	133	138	162
## ENSG00000115364.14	6422	8478	7571	7447	6813
## ENSG00000005436.14	1803	2166	2056	2011	1937

## ENSG00000271452.1	24	22	38	30	25
## ENSG00000270996.1	5	10	9	5	7
## ENSG00000176204.14	38	77	52	58	69
## ENSG00000066032.19	612	236	689	271	454
## ENSG00000223427.1	4	7	6	9	6
## ENSG00000162951.11	270	324	290	350	362
## ENSG00000163541.12	6715	10727	7391	10608	8631
## ENSG00000289076.2	9	21	21	33	25
## ENSG00000115423.19	120	176	144	193	111
## ENSG00000235847.2	6	8	9	9	9
## ENSG00000186854.11	518	876	645	855	581
## ENSG00000034510.6	90446	110038	97587	124169	140569
## ENSG00000213399.3	24	39	27	29	65
## ENSG00000287625.1	14	21	20	16	24
## ENSG00000290085.1	16	28	31	48	29
## ENSG00000176407.18	4407	5323	4799	5331	5033
## ENSG00000225787.1	3	4	6	4	6
## ENSG00000152284.5	2506	2674	3180	2927	3591
## ENSG00000246575.2	12	10	9	15	9
## ENSG00000152291.15	9610	13568	11929	14421	10822
## ENSG00000270532.1	7	9	9	9	17
## ENSG00000042445.14	2577	3807	3091	3723	3625
## ENSG00000115459.18	777	935	876	1045	1058
## ENSG00000042493.16	2356	1757	2448	1687	2521
## ENSG00000286011.2	8	4	2	4	9
## ENSG00000286532.2	57	70	85	66	78
## ENSG00000168906.13	11668	14839	13070	15885	13250
## ENSG00000115486.13	3635	4525	4036	4407	4250
## ENSG00000118640.11	2988	4188	3415	4245	4467
## ENSG00000168899.5	239	157	218	210	302
## ENSG00000168894.10	2281	2572	2412	2758	3125
## ENSG00000168890.14	718	909	809	971	987
## ENSG00000168883.20	7563	8135	8480	8260	8714
## ENSG00000168887.11	1616	1871	1794	1760	1972
## ENSG00000168874.13	16	13	27	11	31
## ENSG00000115525.18	1692	2083	2002	2125	2201
## ENSG00000232504.5	2	6	4	9	4
## ENSG00000068654.17	8947	9799	10219	9884	9631
## ENSG00000132300.19	7802	9642	9259	10008	8834
## ENSG00000208772.1	7	10	7	13	9
## ENSG00000132305.22	13875	15821	15055	15897	15633
## ENSG00000273080.2	88	102	109	135	137
## ENSG00000132313.15	3823	4742	4285	4495	4153
## ENSG00000068615.20	2081	2567	2493	2697	2505
## ENSG00000115548.17	5370	6093	6125	6885	5633
## ENSG00000115561.16	4942	6568	5292	5889	5674
## ENSG00000249884.8	14	19	17	14	20
## ENSG00000239305.7	1274	1699	1555	1474	1395
## ENSG00000153561.13	5962	8109	7924	8280	6840
## ENSG00000153563.17	5	7	14	3	8
## ENSG00000172116.23	13	17	20	42	30
## ENSG00000233673.8	30	34	37	35	29
## ENSG00000231351.2	2	7	0	3	5
## ENSG00000183281.15	5	16	4	4	4

## ENSG00000285793.1	91	99	95	95	123
## ENSG00000287931.1	2	4	3	5	6
## ENSG00000204745.4	201	224	224	240	191
## ENSG00000287763.1	4	4	12	10	15
## ENSG00000222041.13	92	151	129	115	166
## ENSG00000284879.1	25	29	21	35	25
## ENSG00000185304.16	44	68	82	76	44
## ENSG00000229604.2	10	9	13	9	12
## ENSG00000233205.1	4	4	4	6	9
## ENSG00000287670.1	26	21	47	29	28
## ENSG00000172086.9	1138	1753	1418	1642	1366
## ENSG00000115593.15	0	22	8	11	26
## ENSG00000163586.10	367	935	536	1348	798
## ENSG00000144115.18	1106	1414	1214	1544	1358
## ENSG00000214336.5	44	49	56	52	64
## ENSG00000172071.15	3494	4617	4140	4660	3595
## ENSG00000234028.4	77	101	97	92	82
## ENSG00000153574.9	1919	2135	2220	2191	2214
## ENSG00000291127.1	16	12	22	5	8
## ENSG00000290846.1	9	12	9	11	16
## ENSG00000291142.1	0	15	0	9	7
## ENSG00000287362.1	3	4	6	5	2
## ENSG00000144029.14	186	207	227	240	215
## ENSG00000144026.14	575	709	761	665	579
## ENSG00000275111.5	563	610	644	549	580
## ENSG00000289370.2	20	25	27	12	26
## ENSG00000233757.7	1457	1661	1828	1746	1467
## ENSG00000155066.16	360	589	416	575	539
## ENSG00000115041.14	33	12	17	19	29
## ENSG00000115042.10	1361	1733	1584	1751	1786
## ENSG00000144010.11	1	15	6	10	16
## ENSG00000144015.5	7	17	7	16	21
## ENSG00000235584.3	13	13	9	14	26
## ENSG00000232931.6	215	247	339	343	212
## ENSG00000174501.15	104	149	125	145	73
## ENSG00000291176.1	171	165	187	175	188
## ENSG00000186281.13	1	3	6	5	3
## ENSG00000274286.2	67	81	78	85	76
## ENSG00000158050.5	123	110	149	120	141
## ENSG00000084090.14	13554	16795	16610	17375	16211
## ENSG00000204685.9	222	278	326	271	299
## ENSG00000135956.9	4910	6231	5397	5799	6033
## ENSG00000144021.3	5962	7216	6619	7334	6873
## ENSG00000144028.15	31423	36217	35697	36974	33790
## ENSG00000198885.10	458	379	545	411	466
## ENSG00000121152.10	2770	3005	3325	3180	3294
## ENSG00000163121.10	81	200	89	214	115
## ENSG00000196843.17	495	612	472	591	685
## ENSG00000114982.19	4963	5715	5749	5917	5542
## ENSG00000249715.13	23	22	27	31	38
## ENSG00000114988.12	2656	3161	2861	3155	3121
## ENSG00000158158.12	1453	1661	1683	1831	1651
## ENSG00000273265.1	12	10	5	8	6
## ENSG00000289135.2	37	43	44	56	62

## ENSG00000168763.16	3526	4182	4095	4361	4473
## ENSG00000163126.15	9	9	8	6	13
## ENSG00000213337.9	331	394	380	421	499
## ENSG00000168758.11	4681	5618	5205	6567	6092
## ENSG00000188383.8	7	17	12	10	8
## ENSG00000144199.12	820	916	1125	889	1070
## ENSG00000135976.21	126	140	155	155	81
## ENSG00000230606.11	12	21	16	18	14
## ENSG00000196912.13	106	120	130	136	104
## ENSG00000286036.1	5	8	5	3	7
## ENSG00000135940.7	6351	6533	6453	6833	8647
## ENSG00000115073.8	4758	5757	5308	5820	6571
## ENSG00000228486.11	25	26	35	34	37
## ENSG00000115085.15	33	20	29	16	57
## ENSG00000075568.17	6797	9214	8079	9618	7858
## ENSG00000235734.4	63	109	50	45	49
## ENSG00000168658.20	32	22	34	23	36
## ENSG00000144191.12	426	178	467	225	378
## ENSG00000040933.16	1731	2156	2127	2270	1831
## ENSG00000183513.9	1216	1733	1530	1870	1743
## ENSG00000115446.12	1785	2041	1973	2319	2066
## ENSG00000071073.13	3774	5426	4523	4811	3988
## ENSG00000226791.9	5	13	9	10	20
## ENSG00000196872.12	170	138	183	139	173
## ENSG00000135951.16	233	293	297	261	233
## ENSG00000231822.1	38	48	37	40	33
## ENSG00000241962.9	13	30	20	22	15
## ENSG00000273045.7	569	664	627	494	575
## ENSG00000144182.17	163	191	222	240	209
## ENSG00000273155.1	5	3	5	1	1
## ENSG00000158411.11	995	1312	1143	1239	986
## ENSG00000185414.20	5965	7652	6697	6902	7006
## ENSG00000185674.10	6	4	1	6	4
## ENSG00000144214.10	14	8	14	28	16
## ENSG00000115514.12	2290	3029	2512	2631	2481
## ENSG00000158417.12	18961	23554	22451	21666	22165
## ENSG00000135945.10	1447	1795	1674	2037	1519
## ENSG00000273306.1	23	39	37	49	44
## ENSG00000144218.21	247	171	284	170	220
## ENSG00000170500.13	559	719	716	914	672
## ENSG00000115526.11	1262	1470	1489	1551	1561
## ENSG00000115539.14	2382	2656	2453	2614	2706
## ENSG00000170485.17	29	38	46	49	30
## ENSG00000071082.11	49054	63959	58387	66705	75172
## ENSG00000204634.13	1617	1989	1925	2271	1850
## ENSG00000272902.2	30	38	38	42	44
## ENSG00000158435.8	7061	8857	8276	8581	8568
## ENSG00000163162.9	1919	2825	2437	2719	2248
## ENSG00000212283.1	9	12	6	6	8
## ENSG00000175874.10	33	14	43	29	43
## ENSG00000071054.17	23801	28015	27632	27044	24837
## ENSG00000115590.14	44	72	33	76	39
## ENSG00000115594.12	152	357	306	491	276
## ENSG00000115598.10	5	2	5	7	3

## ENSG00000115602.17	8	108	58	159	121
## ENSG00000115604.12	22	43	32	75	37
## ENSG00000180251.5	367	188	403	163	222
## ENSG00000115616.3	470	336	457	276	314
## ENSG00000135953.11	2060	2761	2590	2793	2463
## ENSG00000170417.16	358	502	415	472	406
## ENSG00000228528.2	44	66	51	56	59
## ENSG00000198914.5	1	6	11	4	9
## ENSG00000224509.4	23	23	31	17	35
## ENSG00000135972.9	2740	3553	2964	3294	3357
## ENSG00000231851.6	17	24	26	17	19
## ENSG00000226508.1	72	64	90	71	74
## ENSG00000135966.14	2486	3015	2853	3048	2996
## ENSG00000235319.1	4	3	10	6	9
## ENSG00000272994.2	141	173	170	178	172
## ENSG00000135974.10	1764	2367	2016	2385	1978
## ENSG00000115641.19	2179	3132	3069	3440	3173
## ENSG00000238273.3	3	11	14	8	7
## ENSG00000071051.14	5356	6269	6034	6371	6462
## ENSG00000119147.10	8	9	6	9	9
## ENSG00000115652.15	4730	5750	5359	5921	5552
## ENSG00000213295.3	5	4	6	3	1
## ENSG00000153165.19	35	43	39	27	28
## ENSG00000254126.8	16	8	17	13	13
## ENSG00000214199.3	197	220	197	311	371
## ENSG00000144057.16	545	435	634	418	524
## ENSG00000196862.10	47	85	68	65	52
## ENSG00000237745.1	5	8	3	8	10
## ENSG00000115665.9	71	228	57	230	126
## ENSG00000231221.1	9	12	9	16	5
## ENSG00000225328.2	25	39	31	62	16
## ENSG00000196228.5	2	8	6	5	3
## ENSG00000198203.10	1001	1535	1294	1490	1073
## ENSG00000290794.1	2	9	9	6	1
## ENSG00000198075.10	2436	4074	3440	4148	3334
## ENSG00000135968.22	5385	8620	6795	8630	5446
## ENSG00000214184.3	21	22	36	23	26
## ENSG00000169756.17	5697	8314	7076	6950	6530
## ENSG00000153201.17	15954	20755	19139	20427	14859
## ENSG00000163006.12	2014	2159	2214	2217	2117
## ENSG00000227470.1	51	53	74	69	44
## ENSG00000135960.10	334	448	383	450	475
## ENSG00000259863.1	28	25	25	16	26
## ENSG00000172985.11	363	382	465	378	512
## ENSG00000186522.15	4367	5318	5350	5202	4608
## ENSG00000198142.5	1618	2105	1902	1728	1754
## ENSG00000233707.3	13	5	12	12	20
## ENSG00000015568.13	4	2	6	8	6
## ENSG00000204588.5	131	158	179	156	156
## ENSG00000235721.1	10	10	6	7	10
## ENSG00000144063.4	18	24	22	20	32
## ENSG00000144061.14	498	623	605	599	578
## ENSG00000175701.11	272	325	286	431	457
## ENSG00000230650.1	22	35	28	43	33

## ENSG00000175772.11	189	242	231	283	229
## ENSG00000216867.2	11	13	22	20	8
## ENSG00000169679.15	5643	6109	6584	6555	5936
## ENSG00000153093.21	12	17	21	20	22
## ENSG00000236330.1	12	4	11	21	18
## ENSG00000172965.17	196	308	257	284	270
## ENSG00000204581.3	24	18	26	12	26
## ENSG00000153094.25	924	976	1152	935	933
## ENSG00000227992.1	6	7	1	1	8
## ENSG00000153107.13	5519	6591	6486	6669	5511
## ENSG00000236307.2	10	7	14	6	16
## ENSG00000153208.19	1246	2254	1591	2549	1510
## ENSG00000286904.1	15	28	23	23	16
## ENSG00000153214.11	2690	3935	3186	3629	2741
## ENSG00000144152.13	361	369	442	445	515
## ENSG00000278962.1	117	105	137	130	127
## ENSG00000144161.14	800	1019	988	1084	888
## ENSG00000286545.1	16	15	16	14	15
## ENSG00000188177.15	543	814	666	797	549
## ENSG00000169629.12	157	216	225	194	169
## ENSG00000114999.8	4981	5263	5854	5806	5859
## ENSG00000125630.16	4820	5564	5432	5700	5070
## ENSG00000125611.16	1038	1075	1116	1169	1705
## ENSG00000243389.1	14	17	34	21	19
## ENSG00000228251.1	13	14	23	14	10
## ENSG00000231747.1	46	61	53	57	99
## ENSG00000237753.2	16	29	28	28	34
## ENSG00000144136.11	8941	11809	10467	12112	10921
## ENSG00000144130.12	2	11	5	6	2
## ENSG00000169607.13	1506	2175	1932	2325	1721
## ENSG00000115008.6	19	63	53	77	34
## ENSG00000125538.12	7	32	47	60	20
## ENSG00000136688.11	8	6	7	17	13
## ENSG00000125637.16	1138	1443	1228	1409	1207
## ENSG00000189223.15	1093	1378	1277	1532	1327
## ENSG00000125618.18	46	40	59	46	40
## ENSG00000136682.16	1489	1840	1608	1781	1586
## ENSG00000184492.7	5	4	2	7	5
## ENSG00000291134.1	62	74	81	91	94
## ENSG00000236397.3	31	23	28	42	18
## ENSG00000279267.1	109	174	143	148	119
## ENSG00000293106.1	259	369	352	316	302
## ENSG00000144134.19	469	531	567	565	565
## ENSG00000144158.4	21	26	19	21	30
## ENSG00000227359.1	5	17	16	20	13
## ENSG00000115084.15	4333	6594	5318	6333	4399
## ENSG00000244063.1	9	8	3	19	4
## ENSG00000228857.3	48	60	62	76	49
## ENSG00000270019.2	7	17	10	12	12
## ENSG00000115091.12	18699	27389	21339	24728	21480
## ENSG00000175497.17	1817	2551	2278	2587	2177
## ENSG00000235026.8	95	162	145	146	128
## ENSG00000238207.2	23	27	20	22	16
## ENSG00000088205.13	10816	13334	12137	13115	11728

## ENSG00000236255.2	47	84	78	90	56
## ENSG00000125633.11	1847	2328	2304	2505	1832
## ENSG00000279227.2	33	37	33	35	40
## ENSG00000125629.16	2074	2206	2518	2125	2274
## ENSG00000226856.9	9	10	12	14	14
## ENSG00000163064.7	7	10	5	9	9
## ENSG00000019169.11	13	13	17	13	12
## ENSG00000259094.1	23	26	23	29	13
## ENSG00000144119.4	376	514	515	442	469
## ENSG00000115107.20	6031	10865	7350	10906	9739
## ENSG00000229867.2	12	25	15	24	20
## ENSG00000186132.15	346	380	373	403	391
## ENSG00000155368.18	9010	10588	10155	10952	11070
## ENSG00000171227.7	2128	2537	2516	2889	2800
## ENSG00000080293.10	546	469	602	508	730
## ENSG00000231013.2	38	31	28	23	35
## ENSG00000163075.13	360	389	399	418	454
## ENSG00000144120.13	1560	1682	1633	1928	2024
## ENSG00000088179.9	2091	2732	2675	2673	2062
## ENSG00000233741.1	10	5	5	6	10
## ENSG00000115109.14	4179	4538	4803	4450	4348
## ENSG00000226479.4	1933	2595	2348	2799	2627
## ENSG00000144118.14	4132	5997	4615	5687	5207
## ENSG00000163083.6	2101	2778	2500	2879	3016
## ENSG00000280409.1	11	10	15	10	29
## ENSG00000237614.3	12	12	22	23	16
## ENSG00000232140.2	33	41	26	37	38
## ENSG00000074047.22	1084	1135	1183	1307	1329
## ENSG00000115112.8	131	156	180	189	128
## ENSG00000074054.21	6452	7756	7893	7853	7016
## ENSG00000265451.1	4	5	5	13	6
## ENSG00000236859.8	207	223	297	251	264
## ENSG00000155438.12	3901	4959	4108	4206	4261
## ENSG00000211460.12	9244	11140	10273	10529	10187
## ENSG00000155052.15	251	207	300	199	349
## ENSG00000235491.1	102	251	132	266	117
## ENSG00000213236.3	39	48	40	60	41
## ENSG00000136732.16	4432	4669	4691	4505	6397
## ENSG00000260634.2	9	5	11	3	12
## ENSG00000136717.15	4341	5236	5091	5246	6060
## ENSG00000186684.14	320	232	377	207	345
## ENSG00000163161.14	3803	4627	4373	5159	4727
## ENSG00000169967.17	2133	3192	2622	2815	1973
## ENSG00000236682.4	50	58	68	55	57
## ENSG00000115718.18	121	126	116	116	133
## ENSG00000163166.15	7803	9509	9506	9494	8333
## ENSG00000231731.7	16	28	31	23	14
## ENSG00000169994.20	6	5	12	8	12
## ENSG00000072163.20	567	436	634	398	673
## ENSG00000144230.17	7	6	6	5	6
## ENSG00000136709.12	6702	7801	7666	8157	7273
## ENSG00000144231.11	4661	5397	5612	5070	5796
## ENSG00000144233.12	4599	6012	5684	6419	5285
## ENSG00000272667.1	199	199	179	180	207

## ENSG00000286873.1	116	118	112	102	121
## ENSG00000136715.19	4244	4497	5456	4914	5018
## ENSG00000136731.13	20761	24490	21308	22407	18059
## ENSG00000136720.7	6523	6988	7161	7127	8361
## ENSG00000229536.3	18	40	31	27	39
## ENSG00000286957.1	29	18	31	23	17
## ENSG00000222014.6	11	11	7	9	10
## ENSG00000290591.1	9	10	9	19	20
## ENSG00000286058.1	57	50	60	52	53
## ENSG00000291278.1	6	5	5	7	6
## ENSG00000231240.1	5	13	8	10	4
## ENSG00000196604.13	22	29	33	29	30
## ENSG00000290707.1	16	9	8	11	16
## ENSG00000152076.19	293	279	333	298	435
## ENSG00000136699.20	7615	7934	8349	8367	9054
## ENSG00000152082.15	2185	2154	2199	2077	3059
## ENSG00000227632.2	23	41	24	42	33
## ENSG00000213225.8	11	10	4	8	9
## ENSG00000226915.1	4	8	6	15	9
## ENSG00000136710.10	1293	1432	1471	1463	1587
## ENSG00000136718.10	5046	5336	5443	5519	6442
## ENSG00000072135.13	1408	1683	1667	1807	1786
## ENSG00000290596.1	132	137	177	124	139
## ENSG00000230646.1	8	6	21	10	5
## ENSG00000196834.14	20	10	14	30	18
## ENSG00000136698.10	80	120	99	140	122
## ENSG00000290700.1	74	60	72	68	66
## ENSG00000229797.2	6	3	3	1	5
## ENSG00000178171.12	423	298	524	278	392
## ENSG00000136002.21	47	36	40	31	50
## ENSG00000284479.3	4	6	6	9	5
## ENSG00000152102.18	13016	16940	16469	17986	15068
## ENSG00000115762.17	10620	12991	12222	12945	11850
## ENSG00000230450.1	8	11	8	5	8
## ENSG00000236956.2	26	26	35	26	17
## ENSG00000285819.1	6	5	8	5	5
## ENSG00000188219.16	54	67	76	111	65
## ENSG00000290654.1	39	81	65	110	55
## ENSG00000231431.8	22	23	20	24	9
## ENSG00000236516.1	12	15	13	10	11
## ENSG00000233087.8	23	31	34	28	25
## ENSG00000214077.4	9	8	24	13	11
## ENSG00000217950.4	8	7	6	6	6
## ENSG00000232742.3	8	8	12	16	5
## ENSG00000173272.16	1968	2084	1922	2092	2871
## ENSG00000075886.11	11	26	25	29	16
## ENSG00000152117.19	8	4	5	2	5
## ENSG00000293311.1	378	416	422	522	489
## ENSG00000163040.15	394	365	384	379	555
## ENSG00000204434.6	2	1	8	11	17
## ENSG00000287151.1	120	164	151	155	156
## ENSG00000197927.14	12	26	21	20	18
## ENSG00000213222.3	43	65	62	67	61
## ENSG00000290902.1	8	1	6	10	2

## ENSG00000272769.2	3	1	3	6	9
## ENSG00000286833.3	10	8	5	4	6
## ENSG00000230992.3	5	8	9	9	8
## ENSG00000183840.8	355	519	451	553	548
## ENSG00000150551.11	2827	3011	2902	3251	4189
## ENSG00000176771.18	927	1248	976	1308	975
## ENSG00000226953.8	35	37	42	42	38
## ENSG00000152127.9	6973	8640	8386	8356	7779
## ENSG00000152128.13	161	62	189	50	121
## ENSG00000224043.9	166	251	243	227	204
## ENSG00000153086.14	8	3	3	12	8
## ENSG00000082258.13	3781	5100	4503	4907	3993
## ENSG00000176601.14	27	22	32	13	28
## ENSG00000115839.19	5492	6723	6491	6523	5716
## ENSG00000121988.18	1225	1379	1411	1354	1239
## ENSG00000235651.1	6	4	4	10	8
## ENSG00000048991.18	5213	6204	6295	6241	5901
## ENSG00000144224.17	13251	17748	15978	17854	14127
## ENSG00000115850.10	74	87	94	100	76
## ENSG00000076003.5	12841	12492	14242	12363	13665
## ENSG00000115866.11	8414	10331	9359	9795	8961
## ENSG00000231890.10	29	46	29	36	23
## ENSG00000121966.8	526	553	565	553	578
## ENSG00000227347.1	57	81	81	87	85
## ENSG00000144229.13	913	1385	1107	1449	1025
## ENSG00000150540.14	306	572	358	581	385
## ENSG00000233045.1	13	5	9	21	14
## ENSG00000234645.3	25	16	22	30	33
## ENSG00000228043.5	16	17	12	21	17
## ENSG00000144228.9	2791	4565	3557	3994	3158
## ENSG00000144227.5	1676	1911	1743	1744	2008
## ENSG00000168702.18	49	71	90	81	73
## ENSG00000115919.15	63	99	180	231	107
## ENSG00000075884.14	3	7	4	1	9
## ENSG00000121964.15	771	916	927	956	739
## ENSG00000169554.23	56	169	127	258	141
## ENSG00000121989.15	1852	2243	2116	1938	2034
## ENSG00000115947.14	4054	5178	4379	4756	4441
## ENSG00000204406.14	1545	2081	2025	2147	1694
## ENSG00000135999.12	2261	2877	2635	2777	2390
## ENSG00000168280.18	6214	6967	7811	7196	6444
## ENSG00000289474.2	12	8	5	13	15
## ENSG00000150556.17	6638	8565	7230	8326	9133
## ENSG00000286335.1	0	5	2	7	3
## ENSG00000187123.15	5484	5736	6340	5896	6408
## ENSG00000168288.13	8229	10657	9411	9391	9656
## ENSG00000231969.4	33	39	33	35	31
## ENSG00000115963.14	4654	6261	4937	5713	5219
## ENSG00000184898.7	210	315	302	359	228
## ENSG00000123609.11	103	130	127	159	95
## ENSG00000080345.18	6688	9085	7895	8257	6208
## ENSG00000183091.21	151	146	155	134	172
## ENSG00000162980.17	3656	5289	4343	3856	4118
## ENSG00000288066.1	590	815	752	653	831

## ENSG00000182389.20	51	35	34	20	43
## ENSG00000115145.10	1679	2465	1979	2378	1736
## ENSG00000157827.20	6041	8359	7699	8720	6114
## ENSG00000286207.1	36	53	52	46	28
## ENSG00000196504.21	17898	22790	21192	21562	19149
## ENSG00000177917.12	1747	2391	2235	2241	2216
## ENSG00000242575.1	10	19	12	28	16
## ENSG00000227400.2	2	8	4	9	1
## ENSG00000177519.4	89	89	93	77	112
## ENSG00000144278.15	2421	2892	2932	2753	2696
## ENSG00000224675.1	8	15	11	13	22
## ENSG00000287900.1	218	290	259	329	308
## ENSG00000162989.5	3907	5962	4745	5645	5573
## ENSG00000228837.2	5	16	7	15	1
## ENSG00000230991.2	20	108	38	103	24
## ENSG00000226383.7	107	154	140	172	108
## ENSG00000153234.16	563	854	708	759	944
## ENSG00000115159.17	10436	12501	12433	10732	12192
## ENSG00000136542.9	820	1793	1041	1725	1088
## ENSG00000136541.15	30	27	46	22	26
## ENSG00000230562.3	5	4	9	12	8
## ENSG00000115165.10	18	23	33	20	28
## ENSG00000123612.16	1693	582	1772	581	1070
## ENSG00000115170.16	1761	2561	2248	2434	2273
## ENSG00000153237.19	83	62	64	60	45
## ENSG00000144283.23	7804	8860	9333	9250	8498
## ENSG00000204380.4	3	16	17	10	6
## ENSG00000163331.12	101	13	108	9	58
## ENSG00000115183.15	3727	5366	4812	5665	3907
## ENSG00000213189.5	20	36	20	34	33
## ENSG00000196151.11	494	705	596	674	576
## ENSG00000123636.19	3098	4328	3793	4430	3008
## ENSG00000224152.3	78	74	90	84	98
## ENSG00000226266.8	23	20	16	26	13
## ENSG00000136536.15	7029	9872	8729	8649	7737
## ENSG00000241399.7	477	620	534	562	478
## ENSG00000287091.1	52	60	46	68	72
## ENSG00000054219.11	97	82	126	115	115
## ENSG00000153246.13	147	251	206	304	199
## ENSG00000115221.12	444	971	649	848	458
## ENSG00000153250.21	6030	8890	7199	8518	6948
## ENSG00000136560.14	1241	1862	1563	1873	1409
## ENSG00000235724.10	7	17	5	12	13
## ENSG00000227403.3	166	361	206	288	212
## ENSG00000115233.12	10066	12806	11255	12005	11931
## ENSG00000232320.6	39	29	29	27	58
## ENSG00000226121.2	59	68	60	91	64
## ENSG00000197635.11	9934	15486	14370	17243	11238
## ENSG00000230918.3	31	41	43	68	36
## ENSG00000115263.15	22456	2788	21147	2280	11488
## ENSG00000078098.15	2	13	14	16	6
## ENSG00000115267.10	356	599	519	529	333
## ENSG00000115271.11	3103	3780	4052	3807	3388
## ENSG00000184611.14	570	603	602	615	494

## ENSG00000182263.14	1024	1379	1389	1339	1075
## ENSG00000237844.2	3	11	7	12	3
## ENSG00000115290.11	1528	1647	1708	1683	1503
## ENSG00000277998.1	28	24	37	35	34
## ENSG00000082438.18	1577	1755	1900	1684	1438
## ENSG00000236283.5	73	40	65	40	57
## ENSG00000169507.10	39	44	57	40	41
## ENSG00000153253.20	101	99	133	125	70
## ENSG00000136531.19	40	104	70	107	83
## ENSG00000178662.16	273	348	333	313	272
## ENSG00000115339.14	2927	6056	3457	5380	3158
## ENSG00000123607.16	1766	2137	2003	2356	1726
## ENSG00000169432.19	591	769	673	713	694
## ENSG00000136546.17	484	669	765	869	409
## ENSG00000163092.22	19	27	21	25	20
## ENSG00000172318.6	4008	6523	4753	5894	4979
## ENSG00000214211.2	37	23	20	25	28
## ENSG00000198648.12	6652	13242	8430	12484	8196
## ENSG00000172292.15	4796	6605	5796	6356	4803
## ENSG00000163072.16	396	645	492	605	380
## ENSG00000152253.9	792	900	991	916	981
## ENSG00000152254.11	25	5	21	5	6
## ENSG00000081479.15	6948	13850	8756	12993	7311
## ENSG00000163093.12	198	190	225	220	228
## ENSG00000239474.7	10	10	13	14	7
## ENSG00000138399.18	1778	2290	2033	2142	1727
## ENSG00000138398.17	7883	9961	9714	9686	7912
## ENSG00000154479.13	102	96	100	109	110
## ENSG00000144362.12	185	237	179	173	172
## ENSG00000213160.10	5577	6961	6400	6487	5921
## ENSG00000138385.16	16414	19707	18807	19405	18301
## ENSG00000138382.15	2575	3016	2738	2950	3074
## ENSG00000144357.18	3749	5117	4406	4812	3723
## ENSG00000071909.19	5	7	8	13	6
## ENSG00000234350.7	1	5	7	12	4
## ENSG00000204335.4	7	3	16	3	14
## ENSG00000128692.8	86	87	95	94	119
## ENSG00000204334.8	94	121	133	120	136
## ENSG00000128683.14	9	12	19	11	19
## ENSG00000115806.13	8560	10211	9786	10579	10424
## ENSG00000198586.14	3596	4496	4461	4298	3738
## ENSG00000123600.21	1790	2426	2070	2413	1939
## ENSG00000115827.14	1837	2589	2273	2430	1935
## ENSG00000228507.1	10	11	18	15	20
## ENSG00000234061.1	5	4	3	6	2
## ENSG00000233762.3	235	281	270	350	462
## ENSG00000071967.12	45	94	73	116	97
## ENSG00000077380.16	13708	15781	14956	15431	14786
## ENSG00000115840.14	78	57	102	69	56
## ENSG00000128708.13	4042	4336	4336	4314	4207
## ENSG00000172878.14	307	383	316	400	381
## ENSG00000091409.16	7669	10932	9423	10046	7605
## ENSG00000225205.5	27	26	38	26	24
## ENSG00000152256.14	1501	1479	1803	1703	1818

## ENSG00000091428.18	194	186	226	208	193
## ENSG00000091436.17	2876	3799	3593	3742	2971
## ENSG00000238133.6	6	4	10	9	9
## ENSG00000144354.15	3828	3562	4332	3408	3860
## ENSG00000172845.18	7146	9901	9246	9525	7927
## ENSG00000289296.2	7	23	9	12	10
## ENSG00000271151.1	2	8	5	5	7
## ENSG00000138430.16	15469	19707	16764	17347	18115
## ENSG00000237804.1	14	10	20	18	27
## ENSG00000138433.16	2568	3153	2913	2867	2897
## ENSG00000144306.15	912	1160	1042	1052	932
## ENSG00000163328.14	79	76	133	124	86
## ENSG00000226853.5	20	37	27	27	52
## ENSG00000115935.19	2268	2938	3011	3107	2469
## ENSG00000290018.1	1306	1697	1669	1324	1642
## ENSG00000235655.3	1316	1701	1706	1587	1886
## ENSG00000138435.16	143	62	151	52	112
## ENSG00000128656.15	2842	2961	3276	3082	3086
## ENSG00000115966.18	3902	5035	4924	4950	4087
## ENSG00000154518.10	16931	21811	19441	22717	23733
## ENSG00000289349.1	10	11	8	11	9
## ENSG00000144320.14	1931	2740	2497	2763	2114
## ENSG00000128714.6	2	14	6	28	36
## ENSG00000128709.13	5	3	5	4	6
## ENSG00000224189.8	36	57	26	27	55
## ENSG00000218175.2	142	209	183	171	265
## ENSG00000128654.14	2302	3102	2753	3101	2876
## ENSG00000229337.2	17	26	28	20	29
## ENSG00000170144.22	24454	30489	30338	29618	28484
## ENSG00000116044.17	16109	16695	18148	15867	17292
## ENSG00000225808.1	24	16	33	26	18
## ENSG00000222043.2	11	3	16	8	14
## ENSG00000213963.7	356	433	489	342	391
## ENSG00000018510.18	10074	11561	11780	10578	9680
## ENSG00000196659.10	952	1173	1039	999	980
## ENSG00000197557.7	1105	1293	1203	1095	1224
## ENSG00000128655.19	1136	414	1233	397	672
## ENSG00000229941.6	8	2	5	4	6
## ENSG00000155636.16	898	1107	993	1089	1010
## ENSG00000079156.17	639	437	765	412	603
## ENSG00000223960.9	652	712	837	713	555
## ENSG00000180228.14	3309	3748	3752	3719	3566
## ENSG00000204311.15	68	97	102	103	93
## ENSG00000238082.1	8	7	5	10	9
## ENSG00000079150.19	2094	2588	2327	2522	2633
## ENSG00000116095.11	1109	1506	1398	1344	1372
## ENSG00000237298.11	142	161	154	191	133
## ENSG00000155657.29	4497	2884	5161	3037	3446
## ENSG00000270956.1	6	20	13	15	9
## ENSG00000270277.1	22	17	10	24	6
## ENSG00000270574.1	8	10	5	11	6
## ENSG00000163492.16	2285	1110	2415	1135	1606
## ENSG00000187231.14	7092	7937	8687	7585	7101
## ENSG00000144331.20	486	310	599	298	344

## ENSG00000163510.14	3109	4292	3693	4070	3218
## ENSG00000226564.1	65	67	86	86	132
## ENSG00000170035.16	6108	7777	7139	7677	7983
## ENSG00000234663.7	3	8	9	8	16
## ENSG00000115232.14	301	230	313	260	250
## ENSG00000188452.15	145	105	165	78	108
## ENSG00000162992.5	1908	1173	2351	1030	1609
## ENSG00000260742.1	4	15	7	9	6
## ENSG00000138434.17	3655	5330	4627	5468	3907
## ENSG00000150722.11	170	162	196	180	168
## ENSG00000213958.2	15	16	13	24	24
## ENSG00000115252.19	59	44	63	58	53
## ENSG00000077232.19	18853	24327	21478	21900	18242
## ENSG00000162998.5	5571	1726	5199	1966	4422
## ENSG00000061676.16	17511	22865	21466	21786	18727
## ENSG00000231203.1	85	88	84	112	156
## ENSG00000162999.13	120	149	173	142	121
## ENSG00000163002.13	1219	1374	1263	1352	1270
## ENSG00000272800.3	23	26	26	17	14
## ENSG00000177855.8	55	49	56	50	64
## ENSG00000170396.9	7	16	15	16	10
## ENSG00000286797.1	110	149	151	146	118
## ENSG00000226747.6	16	14	12	10	13
## ENSG00000188738.16	178	268	244	274	155
## ENSG00000237877.8	38	41	38	61	35
## ENSG00000227692.1	5	4	7	4	4
## ENSG00000065548.18	8165	9486	9337	9735	8535
## ENSG00000138448.13	15305	21808	17932	17983	14782
## ENSG00000144369.14	753	1020	873	941	860
## ENSG00000224063.6	14	51	9	59	44
## ENSG00000064989.13	77	97	86	99	111
## ENSG00000003436.16	1340	2213	1973	2351	1452
## ENSG00000144366.17	2803	4161	3706	3501	2934
## ENSG00000168542.17	1796	19840	10125	35018	14138
## ENSG00000204262.14	3358	5893	4789	6497	4713
## ENSG00000115368.10	5246	6116	6088	6340	5998
## ENSG00000138449.11	2419	1934	2995	2353	2716
## ENSG00000138381.10	2330	2815	2620	2637	2563
## ENSG00000151687.15	55	81	73	88	59
## ENSG00000128694.12	610	855	679	829	631
## ENSG00000253559.1	17	16	19	16	13
## ENSG00000273240.1	5	6	6	5	5
## ENSG00000128699.14	2447	3273	2668	3011	2726
## ENSG00000064933.19	3113	3869	3732	3735	3371
## ENSG00000187699.10	177	183	196	174	171
## ENSG00000204253.4	179	263	231	223	275
## ENSG00000198130.16	3225	3990	3839	3836	3515
## ENSG00000151689.13	1967	2803	2134	2709	2296
## ENSG00000151690.15	2411	3423	2916	3131	2944
## ENSG00000272979.1	10	12	4	13	16
## ENSG00000189362.12	668	1040	849	959	782
## ENSG00000233654.2	78	83	91	68	78
## ENSG00000284052.1	35	42	41	55	45
## ENSG00000138386.17	4364	6194	5041	5029	5022

## ENSG00000228509.7	3	9	5	7	9
## ENSG00000235852.1	7	8	16	14	11
## ENSG00000115419.14	8900	14076	12028	13581	8737
## ENSG00000115415.21	11267	12099	12979	11670	11729
## ENSG00000138378.19	164	67	125	68	118
## ENSG00000227542.1	33	64	62	63	57
## ENSG00000128641.19	21888	29591	26178	28525	22449
## ENSG00000173559.15	994	1802	1292	1604	1031
## ENSG00000168497.5	34	72	43	73	80
## ENSG00000144339.12	143	93	150	122	152
## ENSG00000286358.1	92	159	88	156	84
## ENSG00000286868.1	146	154	142	166	148
## ENSG00000260142.1	7	4	10	5	5
## ENSG00000196950.14	11044	15025	13829	14744	12145
## ENSG00000118997.14	124	130	95	138	85
## ENSG00000081320.11	1246	1867	1345	1643	1326
## ENSG00000138411.13	761	623	993	513	698
## ENSG00000229056.2	7	16	13	31	21
## ENSG00000144395.18	324	406	386	429	313
## ENSG00000119041.11	5457	6372	6428	6429	5674
## ENSG00000197121.15	3043	4457	3872	4106	3233
## ENSG00000065413.20	73	49	72	71	61
## ENSG00000213104.3	36	24	33	50	44
## ENSG00000115524.17	28719	35158	34231	37248	30200
## ENSG00000115520.9	1164	1637	1413	1548	1364
## ENSG00000144381.18	94976	111698	107526	104848	105613
## ENSG00000115541.11	7742	8762	8559	9257	9127
## ENSG00000270757.1	26	31	28	28	15
## ENSG00000115540.15	2391	3260	2836	2633	2641
## ENSG00000162944.11	40	50	62	33	82
## ENSG00000247626.5	1270	1489	1443	1545	1535
## ENSG00000115896.17	2071	618	2313	609	1509
## ENSG00000119042.18	313	343	369	359	353
## ENSG00000225953.5	10	16	16	28	22
## ENSG00000213938.3	4	4	5	2	6
## ENSG00000226124.10	22	31	27	34	24
## ENSG00000178074.6	1844	2493	2149	2006	1999
## ENSG00000162971.11	875	1139	1054	1083	966
## ENSG00000162972.11	1353	1578	1473	1564	1536
## ENSG00000196141.14	9400	12713	10901	11972	10749
## ENSG00000287299.1	28	54	45	50	40
## ENSG00000155729.13	537	722	600	747	601
## ENSG00000163535.18	2632	2839	2921	2773	2667
## ENSG00000138356.14	677	642	827	751	668
## ENSG00000082153.18	22499	27611	25617	26749	24759
## ENSG00000013441.17	1135	1542	1452	1784	1206
## ENSG00000240344.10	748	998	877	1000	768
## ENSG00000196290.17	2091	2453	2448	2617	2505
## ENSG00000115942.9	3841	5278	4596	5176	4560
## ENSG00000183308.6	1	1	10	3	8
## ENSG00000155744.10	803	1254	1120	1083	765
## ENSG00000225695.1	30	45	38	46	58
## ENSG00000119013.10	1858	2511	2428	2472	2450
## ENSG00000003402.21	2654	4065	3355	3974	2702

## ENSG00000226312.7	4	6	4	8	3
## ENSG00000003400.16	797	1306	1014	1185	861
## ENSG000000064012.24	833	1595	1079	1518	1077
## ENSG00000155749.13	5	6	8	7	5
## ENSG00000115993.13	2566	2887	3023	2860	2594
## ENSG000000082146.13	5348	6351	5862	5890	6138
## ENSG00000213090.2	7	5	3	7	7
## ENSG00000155754.15	5	4	4	9	11
## ENSG00000155755.20	4654	5811	5101	5581	5531
## ENSG00000003393.16	4376	5439	5259	5847	4461
## ENSG00000138395.17	2	9	2	6	4
## ENSG00000289026.1	14	25	15	23	8
## ENSG00000273209.1	17	41	27	47	49
## ENSG00000155760.3	13126	21563	15452	20623	17949
## ENSG00000182329.14	28	15	22	18	11
## ENSG00000223825.5	7	11	8	11	7
## ENSG00000116030.17	12200	14273	13689	13159	14431
## ENSG000000055044.11	5362	6628	6326	6464	5714
## ENSG00000286223.1	5	7	10	10	7
## ENSG00000273456.2	45	59	38	44	45
## ENSG00000204217.16	3237	4409	4021	4132	3361
## ENSG00000138439.12	3617	4418	4528	4298	3838
## ENSG00000163596.17	546	697	632	688	614
## ENSG00000138442.11	5060	6235	6014	6422	5722
## ENSG00000138380.18	346	493	379	457	294
## ENSG00000232479.2	6	17	5	8	11
## ENSG00000144426.19	1316	2225	1847	2035	1181
## ENSG00000289294.2	127	149	142	138	157
## ENSG00000119004.17	1216	1583	1292	1528	1190
## ENSG00000138443.17	6616	7139	7971	7062	7174
## ENSG00000173166.18	397	496	447	507	316
## ENSG00000224791.1	15	17	17	23	31
## ENSG00000237843.2	8	18	11	10	8
## ENSG00000116117.20	2757	3308	3261	3483	2909
## ENSG00000118257.17	19355	21761	22230	24356	22159
## ENSG00000225216.6	4	10	8	13	8
## ENSG00000114933.16	869	1257	1268	1393	790
## ENSG00000227946.3	27	55	56	52	52
## ENSG00000023228.15	8412	11019	9919	10858	9497
## ENSG00000114942.15	51395	66045	54915	63024	71921
## ENSG00000183671.13	5	2	5	5	6
## ENSG00000204186.11	1246	1735	1705	1847	1050
## ENSG00000234491.1	3	5	11	10	1
## ENSG00000114948.13	1423	1806	1713	1795	1868
## ENSG00000228577.1	2	5	2	9	2
## ENSG00000138400.13	230	210	250	165	231
## ENSG00000118246.14	4751	5529	5316	5533	4947
## ENSG00000229321.2	10	24	27	24	24
## ENSG00000144410.5	6	4	4	8	1
## ENSG00000118263.16	1008	1025	1197	1136	961
## ENSG00000237892.1	3	4	3	6	6
## ENSG00000118260.15	4471	5986	5477	5269	4628
## ENSG00000144401.14	2103	2640	2396	2338	2393
## ENSG00000213082.3	15	13	9	10	23

## ENSG00000163249.13	4075	5078	4579	4664	4985
## ENSG00000163251.4	68525	94271	80573	85585	81746
## ENSG00000178385.15	7024	10810	8169	10179	7712
## ENSG00000225111.3	12	18	13	17	3
## ENSG00000185078.3	1	6	7	6	6
## ENSG00000224839.1	6	3	3	5	6
## ENSG00000118231.5	5	8	9	6	8
## ENSG00000138413.14	40196	51992	45570	49441	44966
## ENSG00000231908.2	35	52	46	58	59
## ENSG00000115020.17	4151	5421	5080	5728	3695
## ENSG00000144407.10	13	11	25	5	14
## ENSG00000078018.22	2380	2555	2728	2157	2162
## ENSG00000144406.19	98	40	110	44	75
## ENSG00000197713.15	3682	4678	4356	4413	3879
## ENSG00000144445.17	693	833	776	828	651
## ENSG00000272807.1	5	10	14	10	11
## ENSG00000229127.2	5	10	1	3	10
## ENSG00000115361.8	7	12	15	5	13
## ENSG00000115365.13	4409	4875	5042	4458	4290
## ENSG00000021826.18	242	251	293	274	226
## ENSG00000178568.16	226	118	247	128	213
## ENSG00000030419.17	699	1037	820	902	708
## ENSG00000270659.2	42	65	61	52	40
## ENSG00000144451.20	1544	1819	2029	1708	1509
## ENSG00000197585.10	9	11	7	7	10
## ENSG00000138376.11	1570	2115	1917	2011	1762
## ENSG00000229267.3	71	77	77	59	47
## ENSG00000230076.1	459	455	535	576	664
## ENSG00000144452.15	1044	2413	1218	2320	1688
## ENSG00000138363.15	17798	21400	20929	19555	22026
## ENSG00000115414.21	1115349	1730192	1360401	1626545	1310109
## ENSG00000230695.2	4	6	4	5	10
## ENSG00000237525.7	11	13	10	12	6
## ENSG00000235770.6	1424	1703	1712	1617	1475
## ENSG00000230838.2	0	6	5	5	4
## ENSG00000226276.1	3	3	8	3	6
## ENSG00000118242.17	1751	2323	1935	1842	2039
## ENSG00000115425.14	866	1144	1118	1282	1046
## ENSG00000163449.11	566	343	610	351	455
## ENSG00000079246.16	75228	87132	80881	81909	84063
## ENSG00000279348.1	661	905	752	769	595
## ENSG00000260804.3	1019	1467	1202	1359	1492
## ENSG00000144583.5	177	89	200	111	132
## ENSG00000138375.14	2742	3352	3200	3415	3124
## ENSG00000232485.4	16	29	24	23	25
## ENSG00000197756.10	77568	92900	89917	96316	118705
## ENSG00000115457.10	42313	49448	43738	49983	64498
## ENSG00000115461.5	16750	20648	20192	23080	23855
## ENSG00000233143.4	42	37	40	33	39
## ENSG00000118245.2	7	1	5	1	10
## ENSG00000231672.8	16	17	15	13	16
## ENSG00000079308.21	516	705	701	863	650
## ENSG00000223923.2	10	5	13	7	12
## ENSG00000180871.8	10	21	20	24	17

## ENSG00000224159.1	1	3	9	7	8
## ENSG00000163466.16	22008	28755	24124	27278	28072
## ENSG00000261338.2	84	115	141	126	128
## ENSG00000179921.15	210	92	192	98	202
## ENSG00000127837.10	8239	9448	9207	9378	10801
## ENSG00000127838.15	2685	3285	2997	3585	3709
## ENSG00000135926.15	7054	9934	8921	10612	9021
## ENSG00000158428.4	28	25	31	49	38
## ENSG00000018280.17	8	13	22	11	19
## ENSG00000144579.9	4154	4666	4509	4552	5435
## ENSG00000127831.11	11379	14297	13173	14375	11896
## ENSG00000135913.11	1528	1852	1610	1813	1372
## ENSG00000144580.15	8536	9756	8948	9751	9941
## ENSG00000115568.16	2301	2476	2570	2540	2656
## ENSG00000074582.15	1467	1595	1584	1448	1727
## ENSG00000163481.8	1507	1594	1622	1722	2063
## ENSG00000163482.12	1707	1922	1851	2014	1791
## ENSG00000135912.11	4794	5528	5544	5601	5373
## ENSG00000135929.9	546	524	665	576	626
## ENSG00000115596.4	198	172	186	194	329
## ENSG00000135925.9	441	401	471	417	647
## ENSG00000288898.1	6	8	6	7	9
## ENSG00000224928.2	4	7	9	13	11
## ENSG00000171450.6	502	290	583	289	557
## ENSG00000163497.3	993	540	1228	533	1074
## ENSG00000163499.12	3708	1321	3629	1279	3683
## ENSG00000224090.1	4	2	9	11	10
## ENSG00000181378.14	44	39	51	28	48
## ENSG00000163501.7	3108	5391	3363	5476	4173
## ENSG00000264755.1	61	77	55	67	53
## ENSG00000286606.1	13	29	27	28	23
## ENSG00000187736.14	754	934	949	1000	844
## ENSG00000115649.16	1933	2415	2361	2676	2581
## ENSG00000144567.11	4201	5106	4594	5105	5494
## ENSG00000158552.13	707	754	677	740	840
## ENSG00000115657.14	158	211	211	174	183
## ENSG00000198925.12	2532	2910	2836	3109	3136
## ENSG00000163516.14	1867	2173	2168	2261	2286
## ENSG00000163521.16	511	605	622	580	521
## ENSG00000115661.14	1809	2336	2111	2540	2313
## ENSG00000127824.15	590	325	639	360	652
## ENSG00000243910.9	13	7	10	6	11
## ENSG00000135924.17	2559	3089	2987	3099	3396
## ENSG00000054356.14	1506	612	1539	618	1572
## ENSG00000123992.20	2559	3394	2913	3453	3458
## ENSG00000229525.1	17	34	19	34	28
## ENSG00000175084.13	15	33	21	47	39
## ENSG00000072195.15	358	392	479	466	519
## ENSG00000144591.20	2143	2309	2281	2419	2691
## ENSG00000072182.14	46	20	54	23	48
## ENSG00000123989.15	5166	6559	5401	6860	7078
## ENSG00000188760.11	303	292	299	258	374
## ENSG00000124006.15	4711	5399	5237	5666	6375
## ENSG00000123999.5	33	23	28	27	42

## ENSG00000144589.22	1184	1246	1234	1349	1378
## ENSG00000228973.1	4	8	3	3	5
## ENSG00000114923.17	499	503	562	583	609
## ENSG00000116106.12	1968	2004	2277	2087	2168
## ENSG00000272944.1	32	33	45	22	39
## ENSG00000233868.1	5	10	4	5	10
## ENSG00000226666.1	16	15	11	27	18
## ENSG00000135903.20	2	6	9	3	2
## ENSG00000288658.2	16	10	16	10	12
## ENSG00000163082.10	1776	1200	1960	1107	1887
## ENSG00000116120.11	6449	7140	6974	7101	6846
## ENSG00000123983.15	13450	16410	15956	16518	14044
## ENSG00000152049.7	9	44	18	40	36
## ENSG00000171951.5	6459	3279	6794	2846	6660
## ENSG00000152056.18	951	1389	1244	1367	1280
## ENSG00000085449.15	3923	4859	4727	4345	4004
## ENSG00000135900.4	3013	3934	3468	3896	3698
## ENSG00000135919.14	3268	3401	4226	3540	3710
## ENSG00000036257.14	9502	10888	10866	10592	10428
## ENSG00000135905.21	297	93	337	101	213
## ENSG00000144460.13	99	99	127	100	80
## ENSG00000169047.6	7927	11789	9895	11965	10278
## ENSG00000272622.2	88	142	104	130	74
## ENSG00000261379.1	3	9	7	10	7
## ENSG00000290086.1	5	6	4	11	2
## ENSG00000144468.17	2158	2704	2536	2650	2359
## ENSG00000081052.14	14	24	21	14	11
## ENSG00000169031.21	8	10	2	5	6
## ENSG00000236432.8	134	173	158	127	133
## ENSG00000168958.21	5616	6925	6235	6420	6602
## ENSG00000173744.18	9819	12884	11715	12145	10985
## ENSG00000135917.16	13966	32207	16271	29063	19525
## ENSG00000115009.13	15	42	17	41	27
## ENSG00000123977.10	90	78	129	84	105
## ENSG00000153820.13	902	487	1022	605	754
## ENSG00000153823.19	146	181	197	201	202
## ENSG00000187957.8	685	707	721	500	812
## ENSG00000153827.15	19588	24515	22415	22824	19436
## ENSG00000153832.12	377	490	488	482	452
## ENSG00000163053.11	1181	1126	1433	1166	1244
## ENSG00000135899.20	193	214	180	208	164
## ENSG00000079263.19	1	5	2	6	3
## ENSG00000185404.17	84	148	121	146	98
## ENSG00000067066.17	260	389	387	433	284
## ENSG00000183022.5	11	10	10	19	22
## ENSG00000135932.12	9201	13093	11024	11530	10293
## ENSG00000237758.1	19	14	16	17	37
## ENSG00000135916.16	18838	25011	21549	26728	26960
## ENSG00000135898.10	0	19	9	14	2
## ENSG00000238062.6	22	23	17	28	22
## ENSG00000204128.6	2283	3411	2891	4020	2674
## ENSG00000261829.1	24	15	36	33	19
## ENSG00000173692.14	18842	22640	20317	21277	21147
## ENSG00000135914.6	3	13	10	25	6

## ENSG00000135931.19	2497	3097	2854	3004	3015
## ENSG00000237039.1	13	26	17	41	33
## ENSG00000224376.3	14	11	7	3	7
## ENSG00000156966.7	1688	2130	1772	1819	1954
## ENSG00000172799.5	9	13	13	9	7
## ENSG00000115053.17	96540	108560	113237	108412	109651
## ENSG00000283312.1	1	1	11	7	6
## ENSG00000283491.1	13	7	15	12	5
## ENSG00000181798.4	20	28	26	16	17
## ENSG00000289018.2	18	32	17	21	19
## ENSG00000187514.17	125395	146761	144928	140466	165859
## ENSG00000156973.14	1238	1423	1275	1362	1389
## ENSG00000144524.18	3534	3763	3918	4135	4276
## ENSG00000261096.1	15	10	9	16	14
## ENSG00000163273.4	18	11	15	6	13
## ENSG00000144535.20	2063	2463	2306	2324	2443
## ENSG00000251485.1	20	38	27	31	30
## ENSG00000163283.7	31	63	29	35	51
## ENSG00000290681.1	2	5	7	5	8
## ENSG00000163286.9	117	167	134	178	155
## ENSG00000163295.5	33	59	58	52	27
## ENSG00000171551.12	179	180	234	200	331
## ENSG00000135902.10	7	6	9	0	5
## ENSG00000221944.9	300	355	301	362	336
## ENSG00000135930.15	7089	8988	8467	8925	9352
## ENSG00000237126.8	103	103	126	157	100
## ENSG00000115468.13	942	1080	1236	1132	1285
## ENSG00000204120.16	7038	8947	8528	9404	7966
## ENSG00000115474.7	242	1085	279	905	346
## ENSG00000182600.10	50	59	58	70	63
## ENSG00000066248.15	44	48	58	54	77
## ENSG00000168918.14	4199	6623	5016	7043	6409
## ENSG00000085978.22	1967	2310	2354	2692	2242
## ENSG00000077044.11	4853	4582	5398	4917	4799
## ENSG00000085982.16	3233	3920	3547	3891	3310
## ENSG00000167165.19	4	3	6	6	6
## ENSG00000241635.8	5	11	7	8	1
## ENSG00000123485.12	2146	2161	2427	2373	2420
## ENSG00000293137.1	156	180	210	169	151
## ENSG00000224287.3	4	9	4	6	6
## ENSG00000188042.8	9739	12379	11600	11654	12717
## ENSG00000235726.7	13	20	18	15	15
## ENSG00000130147.16	9274	11652	10931	11721	10833
## ENSG00000157985.20	4991	5949	5999	6266	5671
## ENSG00000235529.2	17	26	16	20	24
## ENSG00000168505.7	28	27	26	35	31
## ENSG00000233611.4	12	28	18	27	30
## ENSG00000132321.17	269	414	385	444	414
## ENSG00000144476.6	197	202	220	323	285
## ENSG00000227252.2	153	185	177	160	172
## ENSG00000198612.11	5306	6074	5776	5837	6119
## ENSG00000163359.17	113	802	845	1404	556
## ENSG00000115648.14	32	47	54	43	22
## ENSG00000124839.13	782	1062	898	1122	959

## ENSG00000234949.2	5	24	17	32	21
## ENSG00000227107.1	9	5	14	14	12
## ENSG00000124831.20	6160	7153	7277	7795	6323
## ENSG00000177483.12	11	24	23	26	11
## ENSG00000132329.11	3296	5210	3654	5667	5835
## ENSG00000184182.19	1457	1923	1576	1911	1840
## ENSG00000258984.5	11	7	4	10	8
## ENSG00000132330.18	297	405	368	400	425
## ENSG00000144488.15	7	8	12	4	11
## ENSG00000168427.9	102	96	125	141	138
## ENSG00000178752.16	157	341	203	346	411
## ENSG00000132323.9	1412	1740	1544	1789	1822
## ENSG00000186235.12	24	19	18	14	21
## ENSG00000225057.2	5	8	4	7	8
## ENSG00000144485.11	1672	1850	1735	1892	2617
## ENSG00000132326.13	1910	3292	2409	3247	2322
## ENSG00000283635.1	5	7	3	6	4
## ENSG00000204104.12	2283	3291	2968	3280	2920
## ENSG00000065802.12	4176	5164	4913	5349	4865
## ENSG00000233608.5	10	6	18	14	12
## ENSG00000068024.18	1341	1714	1613	1807	1560
## ENSG00000222020.5	6	6	4	2	5
## ENSG00000130414.13	5941	7223	6690	6889	6789
## ENSG00000172428.11	1837	2054	2064	2203	2674
## ENSG00000227479.1	5	3	2	7	8
## ENSG00000063660.9	11392	13112	11582	12121	16881
## ENSG00000218416.4	22	34	28	39	17
## ENSG00000144504.16	417	425	474	483	476
## ENSG00000188542.10	163	173	167	194	187
## ENSG00000142327.13	4661	5188	5115	4677	6461
## ENSG00000260942.1	156	176	139	180	190
## ENSG00000142330.20	1233	1218	1251	1462	1577
## ENSG00000178623.13	30	38	31	47	30
## ENSG00000219159.4	6	7	2	6	2
## ENSG00000130294.18	16189	17317	18427	17745	18408
## ENSG00000172482.5	19	12	21	17	14
## ENSG00000172478.18	566	758	630	743	745
## ENSG00000162804.15	74	48	71	58	74
## ENSG00000122085.17	1559	1815	1830	1797	1807
## ENSG00000115687.14	1584	1585	1805	1681	1689
## ENSG00000115685.15	3695	4512	4108	4173	4730
## ENSG00000146205.15	176	172	191	179	218
## ENSG00000115677.18	55688	65465	63012	63583	63539
## ENSG00000168385.18	38925	50810	44675	49846	45970
## ENSG00000006607.14	3128	4206	3781	4659	3357
## ENSG00000115694.15	8176	8788	8422	8476	10491
## ENSG00000176720.6	1864	1964	1884	1867	2349
## ENSG00000273113.1	9	12	20	14	9
## ENSG00000176946.13	4558	4927	5061	4798	6135
## ENSG00000168397.17	3450	4105	3894	4529	4645
## ENSG00000168393.13	2920	3254	2965	3177	4243
## ENSG00000168395.16	1913	2173	2087	2406	2120
## ENSG00000180902.18	596	692	674	712	835
## ENSG00000154252.12	18	21	15	22	16

## ENSG00000224272.2	32	28	34	36	40
## ENSG00000204099.12	27	28	26	29	20
## ENSG00000233806.9	15	22	22	19	13
## ENSG00000216921.9	1	7	10	6	10
## ENSG00000237940.3	10	6	17	21	7
## ENSG00000261186.2	8	15	6	16	13
## ENSG00000291147.1	73	115	91	119	72
## ENSG00000134121.10	187	40	256	30	153
## ENSG00000224957.7	11	28	18	39	27
## ENSG00000224239.1	1	5	8	8	1
## ENSG00000134115.13	25	26	52	28	20
## ENSG00000288831.2	12	12	20	26	26
## ENSG00000144619.15	2362	3757	2693	3658	2589
## ENSG00000286363.1	6	7	8	15	10
## ENSG00000091181.20	17	11	29	10	18
## ENSG00000072756.18	3004	3679	3434	3469	3285
## ENSG00000113851.16	1486	1862	1623	1726	1758
## ENSG00000144455.14	1693	2390	1955	2348	2137
## ENSG00000175928.6	10360	13424	12038	13442	11498
## ENSG00000287720.1	8	9	10	8	8
## ENSG00000286579.1	6	7	7	3	1
## ENSG00000170364.13	1967	2206	2059	2195	2052
## ENSG00000231249.3	18	17	13	6	17
## ENSG00000150995.21	164	225	258	283	208
## ENSG00000235831.8	15	22	14	22	15
## ENSG00000134107.5	391	538	561	650	551
## ENSG00000134108.14	4942	6755	5727	6237	5555
## ENSG00000233912.1	1	5	13	1	4
## ENSG00000134109.11	1772	2602	2423	3280	2048
## ENSG00000189229.12	8	8	9	11	6
## ENSG00000227110.7	16	15	22	9	11
## ENSG00000071282.12	412	514	516	464	498
## ENSG00000125046.16	20	16	22	7	21
## ENSG00000180914.11	917	511	1076	410	728
## ENSG00000070950.10	1784	2124	2150	1965	1942
## ENSG00000196220.17	1865	2269	2231	2496	2174
## ENSG00000228723.6	36	57	33	54	39
## ENSG00000235830.2	7	8	4	1	8
## ENSG00000254485.5	11	15	8	7	9
## ENSG00000206573.11	479	648	608	733	520
## ENSG00000134077.16	3975	4840	4408	4889	4155
## ENSG00000168137.20	10670	13491	13236	15027	10702
## ENSG00000156959.9	94	31	131	40	86
## ENSG00000163719.20	2551	2882	2632	3015	3148
## ENSG00000287878.1	3	15	11	14	10
## ENSG00000144550.14	19	9	21	18	23
## ENSG00000156983.17	1902	2005	2052	2118	2099
## ENSG00000114026.22	803	842	942	916	1141
## ENSG00000134072.11	207	247	233	217	315
## ENSG00000171148.14	9647	10854	9846	10029	12403
## ENSG00000241553.13	5143	6017	5368	5925	7305
## ENSG00000214021.18	121	169	177	251	141
## ENSG00000156990.14	2194	2524	2611	2369	2982
## ENSG00000171135.15	3352	3953	3734	4171	4675

## ENSG00000163701.19	112	121	132	135	175
## ENSG00000163702.21	105	85	99	88	119
## ENSG00000163703.20	196	260	259	315	256
## ENSG00000163704.13	562	472	554	462	647
## ENSG00000230082.1	10	26	23	10	21
## ENSG00000269982.1	66	83	82	112	99
## ENSG00000125037.13	3899	4767	4137	4477	4657
## ENSG00000291224.1	92	100	103	98	100
## ENSG00000180385.11	5	10	13	7	3
## ENSG00000232901.1	8	5	16	10	5
## ENSG00000206567.10	157	178	192	167	192
## ENSG00000291078.1	123	99	139	183	160
## ENSG00000144554.13	4030	4494	4928	4445	4352
## ENSG00000254999.4	11107	13123	12210	12898	13935
## ENSG00000134086.9	3520	4747	4254	4246	4129
## ENSG00000134070.5	159	292	205	295	196
## ENSG00000157014.11	1510	1781	1615	1763	1725
## ENSG00000231177.4	16	22	25	25	19
## ENSG00000157017.16	56	31	76	42	69
## ENSG00000240288.8	9	23	24	22	9
## ENSG00000157020.18	9538	11613	10934	11605	12681
## ENSG00000157087.20	34	18	65	26	41
## ENSG00000132164.10	82	132	121	248	99
## ENSG00000196639.7	4	47	14	36	14
## ENSG00000197548.13	1814	2066	1881	2082	2062
## ENSG00000144560.16	3629	4631	4197	4982	4158
## ENSG00000144559.11	857	990	970	1075	1002
## ENSG00000157152.17	88	80	91	90	102
## ENSG00000157150.5	19	13	10	34	20
## ENSG00000132170.24	1156	1486	1254	1414	1383
## ENSG00000154743.19	1472	1657	1623	1712	1631
## ENSG00000225526.6	38	49	40	46	34
## ENSG00000075975.17	1046	1177	1079	1239	1187
## ENSG00000132155.14	4866	5618	5356	5803	5555
## ENSG00000088726.16	11	20	8	14	8
## ENSG00000213943.3	51	59	39	48	59
## ENSG00000144712.13	713	475	777	550	816
## ENSG00000272263.1	42	44	30	36	33
## ENSG00000144713.13	72296	80886	78227	85026	102913
## ENSG00000144711.17	2915	3307	3441	3475	3251
## ENSG00000132182.13	12552	12802	14089	13190	14631
## ENSG00000163517.15	787	881	931	930	1075
## ENSG00000163520.14	308	254	421	435	467
## ENSG00000154764.6	41	36	53	40	42
## ENSG00000287059.1	8	1	6	2	0
## ENSG00000163528.13	1362	1656	1522	1724	1689
## ENSG00000170876.8	5290	7557	5998	7720	6343
## ENSG00000268279.4	2	8	10	7	8
## ENSG00000228242.6	17	30	27	41	22
## ENSG00000154767.15	3397	4692	4146	5123	4425
## ENSG00000170860.4	4455	5092	4544	4965	5770
## ENSG00000131389.18	4244	5586	5708	6693	4732
## ENSG00000144596.13	630	826	617	902	721
## ENSG00000234123.1	4	6	6	5	7

## ENSG00000154781.17	1488	1848	1755	1964	1661
## ENSG00000131379.10	18	25	23	19	12
## ENSG00000154783.12	143	67	139	78	109
## ENSG00000225733.8	10424	13033	12821	13778	12119
## ENSG00000177463.16	462	573	631	673	482
## ENSG00000131368.9	1064	1431	1296	1478	1319
## ENSG00000131381.12	1936	2459	2374	2398	2271
## ENSG00000131375.10	3440	4964	4063	4740	4115
## ENSG00000224660.2	156	194	223	226	174
## ENSG00000131370.16	611	580	753	718	732
## ENSG00000206562.12	1328	1596	1507	1519	1526
## ENSG00000144597.14	5691	7434	6508	7016	6348
## ENSG00000249786.8	1	4	9	12	5
## ENSG00000206561.14	52	83	97	77	65
## ENSG00000131373.15	934	1848	942	1918	1888
## ENSG00000169814.17	2225	2964	2673	3152	2621
## ENSG00000206560.12	3524	4113	4320	4071	3514
## ENSG00000287042.3	11	17	18	11	6
## ENSG00000224728.1	5	10	12	8	10
## ENSG00000286689.1	9	21	21	16	14
## ENSG00000131386.20	34	25	49	31	24
## ENSG00000154813.10	4736	5794	5085	5162	5232
## ENSG00000154814.14	1022	1182	1154	1295	1184
## ENSG00000131378.14	340	902	544	839	674
## ENSG00000271964.1	1	5	4	8	6
## ENSG00000272498.1	13	30	17	23	15
## ENSG00000272529.1	6	11	8	7	3
## ENSG00000154822.18	1557	1969	1716	2028	1865
## ENSG00000131374.15	4518	5521	5466	5428	4688
## ENSG00000213383.2	5	5	2	5	10
## ENSG00000274840.5	39	43	58	56	36
## ENSG00000182568.18	2265	2724	3015	2954	2539
## ENSG00000228956.9	169	199	236	217	249
## ENSG00000236570.1	11	13	11	19	15
## ENSG00000183960.9	222	302	253	283	234
## ENSG00000287069.1	192	218	229	222	193
## ENSG00000163576.18	24	22	41	22	30
## ENSG00000144566.11	4479	5981	5348	5251	4850
## ENSG00000289138.1	65	67	73	56	60
## ENSG00000183977.14	27	18	31	24	20
## ENSG00000114166.8	247	208	272	197	207
## ENSG00000129810.15	923	1239	1224	1193	1080
## ENSG00000231304.2	12	8	15	13	4
## ENSG00000151789.13	44	29	52	29	46
## ENSG00000225542.2	7	4	15	2	5
## ENSG00000293339.1	40	39	30	46	43
## ENSG00000182247.11	2503	3260	2858	3017	3004
## ENSG00000223791.1	15	23	18	20	24
## ENSG00000170142.12	4612	5667	5190	5378	5239
## ENSG00000197885.11	873	1048	1056	960	1037
## ENSG00000174748.22	104705	134096	115370	135067	153956
## ENSG00000174738.13	1875	2133	2174	1812	1770
## ENSG00000151090.20	10787	13929	12505	14084	11472
## ENSG00000289130.2	2	8	2	6	2

## ENSG00000228791.8	48	86	58	77	69
## ENSG00000272554.3	3	6	4	11	8
## ENSG00000077092.20	807	667	841	737	779
## ENSG00000077097.17	24416	29845	29184	27671	25077
## ENSG00000151092.18	2297	2489	2509	2508	2614
## ENSG00000151093.8	603	723	721	779	685
## ENSG00000179796.13	9	6	17	13	10
## ENSG00000163491.18	33	56	44	62	26
## ENSG00000224237.1	4	9	6	4	6
## ENSG00000033867.18	10697	14474	13413	14630	10146
## ENSG00000293322.1	113	111	164	145	128
## ENSG00000272282.1	6	18	10	13	13
## ENSG00000163508.13	20	19	10	13	22
## ENSG00000225548.7	11	18	16	17	8
## ENSG00000235493.2	3	9	7	11	6
## ENSG00000187118.14	571	832	699	793	885
## ENSG00000163512.14	1461	1895	1608	1666	1606
## ENSG00000206559.8	14	20	28	23	27
## ENSG00000144642.22	318	334	434	440	463
## ENSG00000235904.3	8	5	13	17	11
## ENSG00000163513.19	3581	4415	4231	4545	3936
## ENSG00000261468.1	11	14	17	9	11
## ENSG00000144644.15	2558	2195	3060	2646	2599
## ENSG00000288926.2	49	38	52	42	45
## ENSG00000163527.10	32760	37700	37719	34230	34957
## ENSG00000144645.16	1486	2042	1823	2008	1654
## ENSG00000197385.6	90	162	123	123	82
## ENSG00000152642.11	881	944	1051	879	892
## ENSG00000261572.2	97	98	120	106	117
## ENSG00000170293.9	678	841	894	912	875
## ENSG00000234737.1	28	28	30	23	45
## ENSG00000153551.14	2634	3215	2844	3223	3434
## ENSG00000091317.8	7933	11843	9488	10501	8687
## ENSG00000144635.9	4806	6014	5467	5648	5671
## ENSG00000237676.1	5	9	6	12	7
## ENSG00000182973.20	3138	3598	3463	3501	3665
## ENSG00000227337.1	14	9	7	12	19
## ENSG00000206557.6	17920	25397	22357	23667	20704
## ENSG00000170266.16	12960	17537	14634	19209	16713
## ENSG00000188167.9	148	206	173	168	140
## ENSG00000170275.15	12809	17416	14308	17509	15947
## ENSG00000173705.9	226	264	245	251	268
## ENSG00000153558.17	648	784	780	846	745
## ENSG00000153560.12	8990	10366	9936	10236	9496
## ENSG00000163539.19	5315	6545	6298	6900	5605
## ENSG00000271643.2	349	500	368	456	356
## ENSG00000170248.15	12189	15314	14370	14800	13219
## ENSG00000226320.6	82	76	85	60	49
## ENSG00000236452.1	18	24	25	10	20
## ENSG00000228767.1	4	3	5	5	6
## ENSG00000172995.17	51	17	58	12	41
## ENSG00000144681.11	1089	1314	1174	1285	1066
## ENSG00000163673.8	16	6	4	7	21
## ENSG00000230067.4	20	11	9	22	13

## ENSG00000279727.1	9	8	6	6	4
## ENSG00000281100.1	34	33	49	43	53
## ENSG00000168016.15	3247	2518	4300	3280	2869
## ENSG00000178567.8	2256	3013	2617	2781	2521
## ENSG00000076242.17	5116	5963	5712	6050	6035
## ENSG00000224858.5	75	66	73	78	146
## ENSG00000093167.18	2779	3334	3196	3261	3089
## ENSG00000224080.1	34	51	24	41	17
## ENSG00000270194.2	56	134	73	118	79
## ENSG00000144674.19	7089	10521	9258	11086	7263
## ENSG00000230409.3	148	223	146	210	141
## ENSG00000198590.12	4	19	23	17	15
## ENSG00000144668.12	851	1356	1115	1335	867
## ENSG00000235257.11	244	300	242	306	289
## ENSG00000236411.1	9	10	8	3	11
## ENSG00000144677.15	6714	7823	7353	7763	7348
## ENSG00000136059.16	435	411	484	434	513
## ENSG00000187091.14	3224	3559	3516	3647	4242
## ENSG00000008226.20	33	21	28	24	22
## ENSG00000060971.19	3788	4788	3996	4669	4708
## ENSG00000172936.18	2492	3201	2890	3334	3109
## ENSG00000172939.9	7566	9575	9130	10036	8369
## ENSG00000144671.11	8	6	4	7	4
## ENSG00000093217.11	374	373	422	389	250
## ENSG00000229589.1	269	335	308	339	350
## ENSG00000114739.14	8106	9755	10245	9640	8880
## ENSG00000157036.13	526	660	665	702	597
## ENSG00000232439.1	4	4	2	11	5
## ENSG00000183873.18	98	48	122	73	120
## ENSG00000168356.13	29	35	40	35	32
## ENSG00000114742.14	4576	5339	5126	5325	4458
## ENSG00000114745.15	2792	3178	3229	3387	3289
## ENSG00000168026.19	74	73	102	61	59
## ENSG00000144655.15	412	447	472	478	603
## ENSG00000284669.1	4	4	8	12	12
## ENSG00000287620.1	16	18	26	16	22
## ENSG00000168334.9	2	10	4	8	17
## ENSG00000168329.14	8	7	9	17	13
## ENSG00000287780.1	12	17	7	16	17
## ENSG00000223668.1	32	47	32	48	66
## ENSG00000144659.13	3457	4309	3762	4233	4134
## ENSG00000168028.15	128257	150702	138098	151850	180099
## ENSG00000168314.19	3	4	5	8	7
## ENSG00000170011.14	32	22	36	40	28
## ENSG00000280739.5	63	54	67	52	52
## ENSG00000114784.4	4085	5057	4736	4897	5175
## ENSG00000223797.8	93	94	71	88	82
## ENSG00000168032.10	47	21	67	27	40
## ENSG00000188846.14	60626	74509	73133	73118	88243
## ENSG00000177873.14	610	324	688	318	326
## ENSG00000177842.12	905	952	971	928	865
## ENSG00000172888.12	1844	2612	2369	2700	1942
## ENSG00000234287.1	30	36	34	35	48
## ENSG00000168036.18	45323	59442	50017	57179	54483

## ENSG00000168038.11	336	381	368	376	423
## ENSG00000182606.17	6755	8408	7866	9005	8136
## ENSG00000187094.12	42	10	39	12	27
## ENSG00000114812.13	57	84	59	83	81
## ENSG00000232354.8	4	6	5	6	9
## ENSG00000093183.14	3108	3513	3683	3462	3327
## ENSG00000008324.12	1453	1702	1460	1625	1705
## ENSG00000289558.2	1	3	9	10	3
## ENSG00000114857.19	2044	2876	2819	3446	2018
## ENSG00000230084.8	32	36	47	52	16
## ENSG00000114853.15	333	352	405	408	411
## ENSG00000244607.7	18	15	19	14	4
## ENSG00000280571.2	9	11	2	11	4
## ENSG00000173811.11	13	15	22	20	12
## ENSG00000181061.14	7820	12830	8790	11123	9843
## ENSG00000144648.16	28	45	26	38	35
## ENSG00000273328.5	4	7	2	8	0
## ENSG00000182983.15	21	42	38	48	47
## ENSG00000144649.10	115	59	104	62	79
## ENSG00000144647.7	1914	2181	2190	2235	2566
## ENSG00000163788.14	1728	2459	2078	2200	1870
## ENSG00000234617.2	6	3	5	4	5
## ENSG00000160746.13	3359	3935	3542	3735	3530
## ENSG00000223916.1	16	12	11	14	37
## ENSG00000011198.10	1435	1794	1593	1766	1544
## ENSG00000272121.1	22	10	22	8	26
## ENSG00000280435.1	18	25	13	18	14
## ENSG00000261786.1	76	66	67	80	65
## ENSG00000179152.20	1989	2968	2222	2677	2129
## ENSG00000185219.18	3517	4594	4475	4923	3885
## ENSG00000178917.18	460	649	656	674	446
## ENSG00000196345.13	811	979	860	947	854
## ENSG00000236869.3	30	35	26	35	18
## ENSG00000144792.9	764	927	897	919	714
## ENSG00000214820.3	86	112	154	116	135
## ENSG00000186448.15	3390	4321	3943	3925	3257
## ENSG00000233509.2	15	9	7	15	6
## ENSG00000169981.11	1383	1681	1521	1593	1562
## ENSG00000272077.1	126	170	145	197	157
## ENSG00000196653.12	513	516	532	515	472
## ENSG00000186446.12	503	596	519	543	529
## ENSG00000163807.6	3328	4194	3967	3980	3523
## ENSG00000163808.17	2889	3014	3359	3246	2905
## ENSG00000169964.8	461	590	560	595	565
## ENSG00000163810.13	1	6	9	5	10
## ENSG00000163812.16	6755	8333	7360	8357	8272
## ENSG00000075914.13	2992	3564	3693	3754	3881
## ENSG00000163814.8	2189	2664	2590	2444	2190
## ENSG00000224094.1	85	88	103	113	132
## ENSG00000249992.2	285	215	248	204	368
## ENSG00000011376.12	4496	5188	5163	5408	5085
## ENSG00000144791.10	1308	1758	1648	1871	1660
## ENSG00000230530.2	8	12	14	20	11
## ENSG00000211456.14	3316	4249	3955	4331	3529

## ENSG00000288720.2	5	2	4	7	2
## ENSG00000163818.20	1538	1894	1641	1656	1589
## ENSG00000163820.16	1462	1675	1829	1885	1571
## ENSG00000172215.6	7	11	6	13	10
## ENSG00000183625.16	4	27	8	14	11
## ENSG00000163823.4	14	18	7	12	7
## ENSG00000121797.10	10	20	22	17	13
## ENSG00000012223.13	27	39	56	44	41
## ENSG00000163827.14	34	58	83	62	46
## ENSG00000241186.10	14	8	23	18	19
## ENSG00000178038.17	495	686	585	821	579
## ENSG00000181585.7	38	47	38	62	46
## ENSG00000284672.1	17	21	11	13	17
## ENSG00000293417.1	6	6	2	8	5
## ENSG00000226074.6	14	7	13	8	14
## ENSG00000160808.12	831	1191	1181	1101	635
## ENSG00000160801.14	67	123	91	180	119
## ENSG00000273682.1	4	9	2	7	2
## ENSG00000160799.12	1847	2153	2078	2366	2500
## ENSG00000160796.18	8142	8521	9374	8516	8383
## ENSG00000181555.22	6857	8622	8268	9205	6668
## ENSG00000227398.6	305	306	363	360	358
## ENSG00000088727.14	802	956	927	907	1011
## ENSG00000114648.12	2545	2888	2899	3060	2780
## ENSG00000280173.1	246	283	274	283	259
## ENSG00000289507.1	97	114	97	93	124
## ENSG00000260236.2	26	33	26	43	30
## ENSG00000076201.16	4821	5364	5331	5268	6271
## ENSG00000114650.21	10711	11910	11353	12366	13534
## ENSG00000163832.16	1981	2375	2158	2470	2616
## ENSG00000114646.10	88	62	106	56	104
## ENSG00000173473.11	43822	50361	50013	47101	49160
## ENSG00000132153.15	9588	10025	10087	10774	11888
## ENSG00000047849.22	29023	33043	33852	31742	31401
## ENSG00000164045.12	4379	4789	4765	4760	5012
## ENSG00000164048.14	1542	1558	1792	1636	1445
## ENSG00000199476.1	14	10	2	9	8
## ENSG00000172113.10	2147	2767	2574	2856	2503
## ENSG00000289043.1	8	10	18	14	12
## ENSG00000164049.14	15	14	15	12	11
## ENSG00000164050.13	9983	12054	10548	12511	12599
## ENSG00000164051.14	1682	2114	1814	2148	2270
## ENSG00000232112.3	5141	6652	5530	7099	7049
## ENSG00000164053.22	1376	1423	1447	1448	1582
## ENSG00000164054.17	15476	18584	18737	19109	22444
## ENSG00000114268.12	1699	1406	2131	1727	2012
## ENSG00000145040.4	0	7	4	8	0
## ENSG00000114270.18	143	234	222	288	188
## ENSG00000010256.11	16122	17141	16864	16873	21242
## ENSG00000225697.13	1508	1829	1809	1853	2061
## ENSG00000008300.17	2429	1990	2842	2120	2210
## ENSG00000228350.1	12	12	9	13	7
## ENSG00000213672.8	1599	1590	1826	1740	2070
## ENSG00000068745.15	6770	9277	7926	9762	8768

## ENSG00000114302.17	7554	9061	8480	8589	7878
## ENSG00000224424.8	35	38	40	45	36
## ENSG00000178537.10	745	912	822	952	944
## ENSG00000221883.4	22	31	37	28	32
## ENSG00000177479.20	6073	7400	7034	7646	7056
## ENSG00000235236.1	1	8	3	5	4
## ENSG00000223343.1	12	1	3	1	14
## ENSG00000178467.18	1637	1566	1809	1758	2230
## ENSG00000285416.1	13	9	15	13	15
## ENSG00000178252.19	11271	12317	12424	12836	13330
## ENSG00000178149.17	1593	1617	1594	1512	1997
## ENSG00000178057.15	2124	2306	2385	2264	3173
## ENSG00000178035.13	141	177	188	189	194
## ENSG00000198218.12	38	74	69	106	45
## ENSG00000172053.18	20959	24036	22570	23206	25195
## ENSG00000172046.21	4935	5618	5476	5949	6122
## ENSG00000172037.14	8756	14311	9873	14846	13630
## ENSG00000270441.1	27	42	34	52	31
## ENSG00000177352.10	2283	2723	2356	2839	3283
## ENSG00000185909.15	2131	2410	2311	2317	2849
## ENSG00000188315.8	197	261	258	312	271
## ENSG00000114316.13	4427	4532	4795	4614	4854
## ENSG00000233276.9	3596	4318	3386	4229	5444
## ENSG00000067560.14	26123	34084	30490	30149	34350
## ENSG00000145022.5	1151	1092	1075	1080	1270
## ENSG00000145020.16	14	6	15	12	12
## ENSG00000173402.13	25181	31766	29401	32177	31166
## ENSG00000164061.5	371	251	423	274	307
## ENSG00000164062.13	16047	18419	17646	18653	20671
## ENSG00000173531.16	119	176	243	260	168
## ENSG00000164068.16	2061	2338	2298	2360	2498
## ENSG00000173540.14	1885	2122	2105	2299	2591
## ENSG00000176095.12	5484	6414	5989	6209	6856
## ENSG00000182179.13	5	11	6	29	17
## ENSG00000183763.9	577	595	605	675	725
## ENSG00000164076.17	76	42	101	55	96
## ENSG00000164078.14	59	36	50	40	51
## ENSG00000164077.15	468	496	485	406	622
## ENSG00000004534.15	4869	5874	5876	6126	5097
## ENSG00000003756.17	3176	4044	3707	4657	3481
## ENSG00000235016.1	7	10	17	22	11
## ENSG00000001617.12	1924	1523	2163	1596	2672
## ENSG00000188338.15	370	257	451	259	352
## ENSG00000114353.17	14630	15202	16069	14768	18240
## ENSG00000230454.1	17	16	20	25	24
## ENSG00000232352.3	8	10	10	13	11
## ENSG00000012171.20	1983	2357	2196	2371	2531
## ENSG00000179564.4	2	6	5	3	5
## ENSG00000214706.12	3322	3695	3458	3712	4633
## ENSG00000186792.17	240	316	265	270	336
## ENSG00000243477.6	272	262	313	285	393
## ENSG00000114378.17	747	1102	888	1134	868
## ENSG00000068001.14	4901	5690	5229	6231	6897
## ENSG00000114383.10	2298	2706	2751	2969	3219

## ENSG00000068028.18	595	723	647	805	669
## ENSG00000004838.14	81	63	69	41	84
## ENSG00000114388.14	1088	1220	1139	1289	1413
## ENSG00000114395.11	564	701	621	681	796
## ENSG00000126062.4	3498	3896	3334	3671	4560
## ENSG00000007402.12	511	407	652	477	576
## ENSG000000088543.15	626	631	778	651	801
## ENSG00000114735.10	702	866	713	834	892
## ENSG00000114737.16	400	465	421	456	558
## ENSG00000114738.11	6255	7157	6781	7256	8100
## ENSG00000289504.1	47	45	49	60	45
## ENSG00000273356.1	16	21	13	22	28
## ENSG000000088538.13	174	170	190	227	167
## ENSG00000288988.1	8	7	5	5	6
## ENSG00000145050.19	7198	9437	8057	10093	9933
## ENSG00000259956.2	12551	14166	14084	14185	14996
## ENSG00000145041.17	3897	4523	4610	4766	4058
## ENSG00000164080.14	4398	5667	5428	5766	5203
## ENSG00000164081.13	2653	3025	2786	3098	3763
## ENSG00000164082.15	7	11	6	3	4
## ENSG00000287707.1	6	12	7	17	1
## ENSG00000114767.7	3006	3196	3095	3306	4236
## ENSG00000041880.15	207	209	217	218	251
## ENSG00000280422.1	6	16	10	13	12
## ENSG00000180929.6	5	5	3	9	6
## ENSG00000090097.22	7358	7395	7545	7311	9801
## ENSG00000114779.20	573	691	719	683	722
## ENSG00000248487.10	264	248	313	268	401
## ENSG00000243989.9	70	62	49	59	96
## ENSG00000162244.12	75857	87624	81531	90695	117178
## ENSG00000164086.10	1388	1566	1606	1638	1759
## ENSG00000164087.8	2010	2201	2134	2210	2621
## ENSG00000023330.15	3747	4345	4237	4695	4666
## ENSG00000247596.10	2218	2879	2344	2819	3257
## ENSG00000243224.2	22	18	15	27	20
## ENSG00000164088.18	551	578	537	557	638
## ENSG00000164091.12	17288	21991	21192	23206	19892
## ENSG00000168237.18	714	852	841	1004	907
## ENSG00000242797.3	3	5	10	3	5
## ENSG00000114841.18	121	195	177	269	117
## ENSG00000239557.1	3	8	7	8	6
## ENSG00000163930.10	7181	8308	7886	8334	8989
## ENSG00000010318.22	138	135	144	163	145
## ENSG00000010319.7	25	20	30	13	31
## ENSG00000114854.8	1902	2820	1957	2789	2665
## ENSG00000010322.16	8879	9427	10138	10070	10265
## ENSG00000010327.10	20	10	14	26	22
## ENSG00000168268.11	21112	21396	22342	21036	29161
## ENSG00000168273.8	346	426	405	472	622
## ENSG00000163939.19	8453	10673	9836	10528	8194
## ENSG00000163938.17	9727	11504	11375	12494	10793
## ENSG00000212493.1	6	2	0	6	2
## ENSG00000222345.1	1	15	12	12	9
## ENSG00000212452.1	3	5	9	5	5

## ENSG00000016864.19	4122	5083	5198	5208	5082
## ENSG000000114902.14	5288	6505	6145	6254	7189
## ENSG000000114904.13	2012	2539	2503	2532	2151
## ENSG000000275956.1	7	9	16	18	10
## ENSG000000055957.11	12	12	9	12	8
## ENSG000000162267.14	6	17	7	10	15
## ENSG000000243696.5	3	8	6	10	3
## ENSG000000248592.7	3	10	7	10	5
## ENSG000000213533.13	97	132	111	128	127
## ENSG000000289519.1	51	34	59	57	49
## ENSG000000163935.14	944	936	1123	991	1002
## ENSG000000272305.5	11	22	15	16	25
## ENSG000000280417.1	13	9	8	8	11
## ENSG000000163933.10	3014	3879	3329	3654	3727
## ENSG000000163932.16	4334	4941	4996	5151	5343
## ENSG000000163931.17	36383	41252	39175	39762	49644
## ENSG000000272886.6	3273	4387	4264	4875	3563
## ENSG000000157388.20	82	79	114	118	68
## ENSG000000016391.11	1099	1361	1326	1554	1221
## ENSG000000056736.10	523	544	595	616	525
## ENSG000000271976.1	340	381	344	393	377
## ENSG000000113812.14	2761	3321	3233	3538	2926
## ENSG000000113811.12	2552	3353	2934	3665	3171
## ENSG000000157445.16	234	140	314	163	213
## ENSG000000144771.8	16	12	6	13	14
## ENSG000000114251.15	1716	2551	3144	3304	1964
## ENSG000000244586.1	57	74	93	100	50
## ENSG000000187672.15	440	531	490	507	395
## ENSG000000180376.17	985	1186	1212	1251	948
## ENSG000000163946.14	5295	6907	6471	6804	5255
## ENSG000000163947.12	1633	2321	2003	2281	2204
## ENSG000000186451.2	26	35	24	28	29
## ENSG000000144730.19	2695	3304	3489	3322	2850
## ENSG000000163666.10	19	39	37	38	20
## ENSG000000157500.12	4950	6671	6023	6274	5131
## ENSG000000239388.10	19	39	35	27	21
## ENSG000000174844.15	32	34	35	41	30
## ENSG000000174840.9	1886	3157	2293	2915	2793
## ENSG000000168374.11	18068	25709	21260	23273	22300
## ENSG000000272146.6	6	10	12	6	8
## ENSG000000174839.13	2586	3679	3175	3053	2751
## ENSG000000163681.17	3523	4629	4164	4748	3719
## ENSG000000136068.16	107111	145075	119318	131497	116402
## ENSG000000244161.1	34	54	58	54	34
## ENSG000000163686.15	891	1069	1039	1111	1022
## ENSG000000163684.12	645	974	886	976	829
## ENSG000000255154.9	6	3	5	3	3
## ENSG000000168297.16	727	880	933	945	789
## ENSG000000168291.13	4816	5967	5337	5927	5508
## ENSG000000272360.2	9	4	5	5	5
## ENSG000000168301.13	685	1008	803	860	825
## ENSG000000168306.13	235	313	289	317	234
## ENSG000000163689.21	439	401	478	398	428
## ENSG000000189283.11	392	523	517	509	515

## ENSG00000144724.20	5639	7749	7045	7966	6530
## ENSG00000226360.5	265	320	236	371	373
## ENSG00000241472.8	147	176	184	127	147
## ENSG00000114405.11	620	665	678	634	614
## ENSG00000163618.18	1872	1264	2146	1249	1540
## ENSG00000242841.1	20	20	10	9	28
## ENSG00000163630.11	33	33	37	33	29
## ENSG00000241359.1	37	82	70	106	51
## ENSG00000188817.8	4	8	6	16	6
## ENSG00000163632.15	11	12	4	12	4
## ENSG00000163634.12	3433	4281	3811	3943	3994
## ENSG00000163635.20	1374	1899	1772	1766	1401
## ENSG00000239653.1	11	29	29	22	20
## ENSG00000271843.1	13	11	23	12	24
## ENSG00000163636.11	7509	8604	8209	8014	8668
## ENSG00000163637.13	1390	1168	1684	1320	1319
## ENSG00000163638.13	7660	6323	9182	5929	5503
## ENSG00000241158.7	124	117	134	70	98
## ENSG00000241684.8	34	36	35	22	18
## ENSG00000151276.24	11230	15793	13329	15429	11675
## ENSG00000270059.1	17	17	22	14	11
## ENSG00000272610.1	3	14	7	11	12
## ENSG00000144741.19	1844	2194	1924	2192	2106
## ENSG00000144749.14	537	540	647	581	642
## ENSG00000163376.11	683	710	753	694	714
## ENSG00000172340.15	5473	7821	6668	7160	6084
## ENSG00000242510.1	19	9	9	4	16
## ENSG00000241316.8	162	218	190	196	159
## ENSG00000214552.4	2	5	7	4	5
## ENSG00000241506.1	115	102	117	134	120
## ENSG00000163377.16	28	19	24	13	19
## ENSG00000163378.14	548	701	684	833	567
## ENSG00000244513.7	12	20	25	15	9
## ENSG00000144747.17	2513	3434	2966	3380	2550
## ENSG00000144744.18	3497	5273	4088	4732	4285
## ENSG00000144746.7	5304	6445	6059	5703	6283
## ENSG00000163380.16	4	3	8	2	9
## ENSG00000114541.15	2671	3427	3355	3402	2765
## ENSG00000187098.18	705	755	946	913	811
## ENSG00000114861.24	3739	4144	4483	3652	4396
## ENSG00000270562.1	13	16	21	12	5
## ENSG00000163412.13	1873	2511	2524	2653	2316
## ENSG00000170837.3	544	627	688	666	717
## ENSG00000241163.10	20	10	17	21	14
## ENSG00000243083.8	8	7	5	8	7
## ENSG00000163602.12	5312	6656	6579	6078	5360
## ENSG00000144736.14	2191	2741	2581	2337	2529
## ENSG00000271266.1	1	13	5	6	12
## ENSG00000172986.13	683	1133	902	1011	693
## ENSG00000242960.1	12	17	21	16	30
## ENSG00000163605.16	10079	14064	12004	12342	9958
## ENSG00000255423.1	16	38	45	63	33
## ENSG00000121440.15	1109	838	1237	920	1065
## ENSG00000278934.1	23	15	20	11	21

## ENSG00000113805.9	453	582	633	583	536
## ENSG00000213300.5	83	108	131	111	126
## ENSG00000291223.1	834	968	942	926	1018
## ENSG00000238278.3	172	145	135	149	149
## ENSG00000272690.6	42	56	45	49	51
## ENSG00000293315.1	11	7	9	4	9
## ENSG00000241622.1	7	3	3	8	6
## ENSG00000172969.8	0	8	4	4	11
## ENSG00000242516.4	534	682	636	688	607
## ENSG00000227124.11	160	564	189	613	437
## ENSG00000185008.19	1720	1687	2047	1501	1697
## ENSG00000240809.1	10	19	14	19	18
## ENSG00000169855.21	12646	16313	14019	15820	13520
## ENSG00000240964.3	8	6	4	6	8
## ENSG00000286329.2	105	200	133	209	159
## ENSG00000242828.1	33	30	45	39	32
## ENSG00000242781.2	7	23	11	30	10
## ENSG00000243694.5	13	25	18	31	13
## ENSG00000114480.13	1913	2801	2418	2777	2547
## ENSG00000241095.1	13	4	10	11	8
## ENSG00000175161.14	1367	1132	1801	900	1190
## ENSG00000206538.9	811	1098	973	830	768
## ENSG00000241293.1	5	7	7	3	7
## ENSG00000083937.10	4091	6404	5041	5501	4889
## ENSG00000163320.12	5307	7534	6689	7038	5799
## ENSG00000175105.8	924	1439	1138	1311	1041
## ENSG00000179021.10	2248	3190	2557	2900	2821
## ENSG00000044524.11	26	30	32	64	52
## ENSG00000184500.16	1598	2585	2255	2598	2023
## ENSG00000169379.17	931	1164	1181	1178	1005
## ENSG00000178700.9	489	568	539	513	479
## ENSG00000178694.10	957	1224	1151	1188	978
## ENSG00000242457.1	15	15	21	15	16
## ENSG00000178660.6	24	29	27	12	21
## ENSG00000243547.1	234	258	292	290	313
## ENSG00000241018.1	5	5	8	7	4
## ENSG00000286447.1	72	121	89	118	100
## ENSG00000080224.18	864	1325	1051	1313	1046
## ENSG00000113966.11	566	716	620	546	519
## ENSG00000080200.10	481	642	602	721	406
## ENSG00000170854.18	790	1139	880	1077	842
## ENSG00000080822.17	4337	5744	4887	5503	5084
## ENSG00000286602.1	8	18	11	13	21
## ENSG00000080819.9	2482	3065	3110	2938	2700
## ENSG00000239445.6	72	50	61	66	70
## ENSG00000064225.13	3566	3952	3938	3920	3953
## ENSG00000249274.1	26	32	34	43	30
## ENSG00000057019.16	8068	9763	9392	9651	8916
## ENSG00000144810.16	109	120	138	118	137
## ENSG00000273374.1	4	17	12	14	8
## ENSG00000184220.12	1246	1299	1413	1147	1364
## ENSG00000168386.19	44846	66806	51328	64718	54740
## ENSG00000287378.1	66	133	74	137	82
## ENSG00000036054.13	7358	11432	9348	11395	8438

## ENSG00000114021.12	4184	5452	4890	5716	5531
## ENSG00000154174.8	9707	13269	11498	12785	10717
## ENSG00000206535.8	602	676	664	611	645
## ENSG00000181458.10	909	1135	1072	1060	1094
## ENSG00000144820.8	119	222	274	268	137
## ENSG00000114354.15	9292	12297	10860	12876	10766
## ENSG00000154175.19	25	19	27	29	30
## ENSG00000081148.12	14	19	26	25	17
## ENSG00000138468.16	1184	1529	1544	1488	1026
## ENSG00000282978.1	53	54	55	53	80
## ENSG00000174173.7	3653	4082	3885	3928	3801
## ENSG00000081154.12	12591	19221	16232	15961	15352
## ENSG00000242299.1	398	475	428	534	672
## ENSG00000289629.1	5	12	12	17	13
## ENSG00000066422.7	2261	3133	3024	3047	2370
## ENSG00000256628.4	149	223	143	173	199
## ENSG00000114391.14	53914	62877	57793	64382	72592
## ENSG00000293268.1	24	33	36	42	37
## ENSG00000182504.12	1175	1578	1493	1636	1256
## ENSG00000144815.18	492	472	671	451	484
## ENSG00000144802.11	528	714	740	935	580
## ENSG00000170044.9	20	13	28	20	19
## ENSG00000170017.12	6249	7548	6542	6623	7042
## ENSG00000114423.23	2090	3077	2780	3176	2445
## ENSG00000288848.2	9	3	9	5	10
## ENSG00000242759.10	7	14	5	14	7
## ENSG00000243701.8	388	635	400	541	520
## ENSG00000239828.9	13	7	8	12	11
## ENSG00000114439.19	6165	8537	8068	9224	6497
## ENSG00000279277.2	6	18	12	15	13
## ENSG00000196776.17	5673	11028	6634	10180	7855
## ENSG00000114446.5	5952	8318	6492	7834	7458
## ENSG00000114455.15	221	202	407	214	159
## ENSG00000144821.11	70	94	60	94	78
## ENSG00000241634.1	30	37	47	56	36
## ENSG00000163507.15	2929	3557	3543	3724	3278
## ENSG00000198919.13	2152	2845	2594	2756	2203
## ENSG00000214381.6	9	4	0	2	7
## ENSG00000121570.13	432	461	478	410	427
## ENSG00000244722.1	5	0	2	6	10
## ENSG00000242242.7	366	160	487	172	118
## ENSG00000289069.1	39	27	65	35	15
## ENSG00000177707.11	2968	3363	3601	3170	3084
## ENSG00000153283.13	45	73	36	49	26
## ENSG00000240787.1	1	3	3	12	6
## ENSG00000240891.8	1052	1932	1303	1876	1239
## ENSG00000144824.21	11421	13353	13316	12960	10907
## ENSG00000286492.1	3	1	5	4	5
## ENSG00000144827.9	2344	2760	2615	2595	2663
## ENSG00000144834.14	457	224	495	241	405
## ENSG00000176040.14	2	8	8	10	4
## ENSG00000114529.13	1171	1778	1474	1831	1495
## ENSG00000174500.13	93	143	111	138	74
## ENSG00000261488.1	18	41	42	46	31

## ENSG00000172139.15	5	7	10	2	8
## ENSG00000244144.1	9	7	6	8	9
## ENSG00000239482.6	42	22	27	30	22
## ENSG00000091972.18	2496	2470	2840	2545	2682
## ENSG00000279349.1	6	11	12	2	7
## ENSG00000144848.11	1907	2429	2313	2326	2435
## ENSG00000138459.9	2284	3007	2539	2897	2393
## ENSG00000091986.16	12194	16015	13313	16923	14507
## ENSG00000163606.11	17	27	10	15	13
## ENSG00000163607.18	984	1310	1099	1085	1057
## ENSG00000163608.15	4342	5622	5192	5339	4595
## ENSG00000240057.8	19	29	23	47	28
## ENSG00000243795.1	8	10	13	10	10
## ENSG00000144857.15	153	205	178	214	258
## ENSG00000206530.11	115	171	150	187	115
## ENSG00000285943.1	9	12	8	9	5
## ENSG00000163611.11	171	256	193	191	206
## ENSG00000072858.11	6	8	5	7	3
## ENSG00000176542.10	1329	1932	1718	1900	1252
## ENSG00000121579.14	15175	19095	18630	17362	16519
## ENSG00000114573.12	5810	7581	7691	7973	6300
## ENSG00000178075.20	90	74	95	78	79
## ENSG00000240776.1	29	35	27	42	68
## ENSG00000241889.1	11	8	9	8	12
## ENSG00000184307.17	570	630	684	610	513
## ENSG00000163617.11	294	351	380	365	281
## ENSG00000151576.10	3005	3574	3563	3535	3143
## ENSG00000181722.18	195	346	209	328	115
## ENSG00000172020.13	2963	974	3042	1077	2657
## ENSG00000185565.13	4521	6241	5464	5726	5197
## ENSG00000198406.7	184	252	184	224	194
## ENSG00000243014.1	10	15	18	23	40
## ENSG00000239268.5	95	175	87	166	175
## ENSG00000241213.2	1	7	7	2	4
## ENSG00000243276.6	9	10	6	9	7
## ENSG00000144847.13	114	96	119	127	120
## ENSG00000114638.8	237	260	251	221	259
## ENSG00000121578.13	4595	6993	5544	7366	5406
## ENSG00000031081.11	235	381	318	388	326
## ENSG00000241155.1	11	11	22	22	13
## ENSG00000176142.13	2411	3283	2799	3667	3096
## ENSG00000163389.12	1904	2464	2229	2431	2110
## ENSG00000113845.10	3810	4650	4043	4673	4516
## ENSG00000144843.12	323	393	377	323	355
## ENSG00000144837.9	145	274	305	361	197
## ENSG00000121577.14	31	40	29	53	47
## ENSG00000138495.7	858	1199	1035	1183	1319
## ENSG00000286584.3	8	21	16	15	10
## ENSG00000183833.16	652	940	854	851	806
## ENSG00000144852.20	19	15	20	22	14
## ENSG00000082701.17	8229	11774	10483	11245	8910
## ENSG00000242622.4	104	84	133	137	79
## ENSG00000175697.11	65	60	87	73	68
## ENSG00000240882.1	9	1	2	5	1

## ENSG00000163428.4	4359	5994	5116	5204	4311
## ENSG00000293512.1	31	20	33	36	27
## ENSG00000163430.13	59941	77627	72376	76469	67392
## ENSG00000065518.8	7281	10282	8115	9608	10997
## ENSG00000113924.12	938	2255	1624	2589	1012
## ENSG00000144840.10	2226	3080	2590	2881	2307
## ENSG00000153767.10	2343	3590	2881	3511	2871
## ENSG00000213371.4	18	14	13	12	17
## ENSG00000286827.1	31	55	29	65	26
## ENSG00000145087.14	574	1367	692	1363	620
## ENSG00000051341.15	1123	1362	1421	1551	1069
## ENSG00000242445.1	32	27	33	39	64
## ENSG00000180353.11	7	7	8	17	12
## ENSG00000173230.17	10889	15454	12948	15661	11723
## ENSG00000288868.2	66	126	79	110	103
## ENSG00000173226.17	1945	2337	2427	2428	2326
## ENSG00000145088.9	36	29	38	32	43
## ENSG00000163406.11	270	68	240	54	202
## ENSG00000145103.15	35	21	35	29	25
## ENSG00000036828.17	168	76	154	77	90
## ENSG00000160124.9	1701	2171	1923	2263	2035
## ENSG00000114023.16	2729	4062	3379	4516	3938
## ENSG00000196981.4	507	740	640	652	607
## ENSG00000272758.7	33	42	40	45	37
## ENSG00000114030.13	6605	9392	7506	8978	7888
## ENSG00000287207.1	4	5	5	5	7
## ENSG00000138496.17	980	1598	1197	1538	1026
## ENSG00000163840.10	2294	3666	2846	3704	2098
## ENSG00000173200.13	1	13	8	6	0
## ENSG00000173193.15	1582	2645	2288	3030	1708
## ENSG00000169087.11	604	810	661	829	653
## ENSG00000138463.9	2440	3588	2799	3472	3166
## ENSG00000273033.2	564	968	668	1036	854
## ENSG00000082684.16	249	360	308	397	382
## ENSG00000065485.20	2894	4495	3392	4772	3539
## ENSG00000121542.12	657	779	757	802	739
## ENSG00000173175.16	179	345	261	332	293
## ENSG00000206527.10	7092	10252	8221	9785	7892
## ENSG00000239523.8	173	229	185	232	212
## ENSG00000065534.20	422	615	482	661	542
## ENSG00000175455.16	2186	2870	2705	2893	2189
## ENSG00000160145.16	2292	2846	2787	3090	2436
## ENSG00000240622.1	6	12	13	15	13
## ENSG00000114491.14	3615	4281	4105	4448	4240
## ENSG00000082781.12	6712	8938	7467	9145	8277
## ENSG00000173702.7	390	487	826	613	227
## ENSG00000173706.15	44015	61901	50621	59706	51949
## ENSG00000288022.1	82	137	122	199	128
## ENSG00000221955.11	672	784	826	903	910
## ENSG00000163848.21	3888	5327	4805	4873	4127
## ENSG00000114520.11	4150	5652	5102	5444	4666
## ENSG00000252965.1	6	14	14	12	15
## ENSG00000144909.8	3000	4038	3492	3746	3237
## ENSG00000284624.1	9	9	7	10	7

## ENSG00000241288.8	20	31	17	33	26
## ENSG00000248787.2	8	7	2	4	1
## ENSG00000291071.1	126	137	120	94	131
## ENSG00000291096.1	15	18	22	25	11
## ENSG00000114544.17	2270	2832	2654	3071	3010
## ENSG00000250012.2	26	24	25	26	25
## ENSG00000144908.14	52	46	52	71	57
## ENSG00000287232.1	8	8	8	9	6
## ENSG00000163884.4	456	428	521	490	611
## ENSG00000163885.12	7	10	10	11	10
## ENSG00000070476.15	1381	1653	1594	1641	1427
## ENSG00000180767.11	86	63	109	84	85
## ENSG00000197763.20	1275	1669	1555	1685	1320
## ENSG00000248557.1	8	13	10	9	11
## ENSG00000159685.11	1664	1667	1662	1645	2308
## ENSG00000280053.1	6	6	1	5	4
## ENSG00000114554.12	21853	23584	22986	25070	24657
## ENSG00000287784.1	8	5	13	21	8
## ENSG00000163870.16	1557	1753	1721	2043	2267
## ENSG00000073111.14	10589	10199	11005	10047	12599
## ENSG00000114631.11	9901	10737	10207	10327	13260
## ENSG00000114626.18	372	554	407	601	560
## ENSG00000074416.16	1050	1740	1720	1910	1211
## ENSG00000187715.13	14	11	15	16	5
## ENSG00000058262.11	33642	44133	35813	41368	43152
## ENSG00000175792.12	9384	10802	10695	10842	11763
## ENSG00000132394.11	1086	1118	1202	1037	1457
## ENSG00000179348.13	39	73	67	70	58
## ENSG00000244300.3	46	65	48	68	58
## ENSG00000239405.1	4	3	9	0	8
## ENSG00000163902.12	36527	45322	38694	43962	45341
## ENSG00000075785.14	12796	16687	16062	17622	16924
## ENSG00000242992.3	10	2	3	6	11
## ENSG00000290241.1	3	9	11	12	3
## ENSG00000261159.1	2	12	6	9	11
## ENSG00000231305.4	29	38	35	40	29
## ENSG00000250796.1	6	5	2	14	8
## ENSG00000287110.3	28	39	36	47	34
## ENSG00000177646.20	2847	3253	3099	3135	3422
## ENSG00000114656.13	305	368	377	411	442
## ENSG00000114654.8	15	4	16	10	16
## ENSG00000172780.17	189	203	158	221	201
## ENSG00000273174.1	6	11	7	10	10
## ENSG00000240682.10	442	508	543	553	552
## ENSG00000288996.2	7	1	6	2	5
## ENSG00000273437.1	5	9	5	7	10
## ENSG00000169714.17	26289	31979	30777	31275	31400
## ENSG00000289469.2	11	4	12	15	16
## ENSG00000181789.14	12945	15734	15265	15640	16329
## ENSG00000286729.1	11	15	12	16	22
## ENSG00000183624.14	2618	2957	3071	2947	3333
## ENSG00000184897.7	6023	5606	6291	5918	8816
## ENSG00000206417.8	151	204	217	165	178
## ENSG00000270492.1	4	7	5	6	6

## ENSG00000244932.2	25	33	30	28	21
## ENSG00000290993.1	262	307	318	372	301
## ENSG00000172771.13	98	47	76	63	79
## ENSG00000163913.14	1626	1730	1846	1611	1976
## ENSG00000129071.10	1742	2121	2081	2139	1986
## ENSG00000004399.13	2186	1689	2583	1678	2431
## ENSG00000172765.19	2966	3849	3672	3775	3260
## ENSG00000203644.3	395	519	452	428	454
## ENSG00000271270.8	105	100	126	109	115
## ENSG00000170893.4	44	33	48	35	55
## ENSG00000251287.9	7	7	9	9	11
## ENSG00000248243.1	12	13	13	9	7
## ENSG00000291081.1	142	154	133	172	176
## ENSG00000249846.7	101	127	137	131	137
## ENSG00000206384.11	2	52	20	62	20
## ENSG00000196455.8	3500	4444	4239	4604	3837
## ENSG00000232829.3	2	2	2	10	9
## ENSG00000017260.20	15956	20036	18877	18318	15070
## ENSG00000034533.12	661	697	679	635	721
## ENSG00000114670.14	392	462	418	362	357
## ENSG00000250608.2	13	23	20	27	4
## ENSG00000293492.1	604	776	690	635	644
## ENSG00000198585.12	3681	4442	4295	4577	4089
## ENSG00000261167.1	180	217	209	266	185
## ENSG00000114686.9	11252	13725	12299	13271	12927
## ENSG00000196353.13	117	54	130	49	73
## ENSG00000242899.1	31	24	41	46	54
## ENSG00000014257.17	72	103	84	106	75
## ENSG00000138246.17	4215	5542	5162	5784	3911
## ENSG00000240303.8	68	54	72	88	77
## ENSG00000081307.15	3145	3677	3534	3618	3116
## ENSG00000113971.21	195	327	240	288	246
## ENSG00000144868.14	224	210	283	254	221
## ENSG00000091527.17	18091	23199	21826	22933	19281
## ENSG00000163781.14	5403	6207	6387	6520	5320
## ENSG00000091513.16	34	57	113	95	91
## ENSG00000144867.13	5265	7141	5974	6875	6628
## ENSG00000154917.11	2201	2514	2589	2763	2755
## ENSG00000174640.15	516	617	743	742	797
## ENSG00000163785.14	5975	7823	6882	7678	6874
## ENSG00000260633.1	3	7	14	4	12
## ENSG00000114019.15	10885	12444	12032	12210	13716
## ENSG00000129055.13	5361	6424	5758	6080	6244
## ENSG00000182923.20	509	625	593	607	517
## ENSG00000174611.12	12	8	15	11	10
## ENSG00000154928.19	352	358	434	317	365
## ENSG00000240086.7	128	178	143	148	145
## ENSG00000073711.11	5035	5418	5955	4828	4594
## ENSG00000174579.5	3162	3721	3824	3602	3451
## ENSG00000114054.14	4735	5626	5367	5670	5509
## ENSG00000118007.13	3731	4536	4161	4220	3660
## ENSG00000240695.1	8	7	5	6	10
## ENSG00000168917.9	256	224	302	239	305
## ENSG00000239213.7	175	165	191	193	182

## ENSG00000273486.1	69	85	78	79	63
## ENSG00000158092.7	1693	2190	1963	2230	1920
## ENSG00000174564.13	33	44	50	48	28
## ENSG00000241478.1	19	17	25	25	44
## ENSG00000066405.13	7194	9757	8317	8481	6261
## ENSG00000158163.15	857	1048	1005	1132	1040
## ENSG00000240668.1	119	178	138	191	258
## ENSG00000118017.4	31	26	36	35	43
## ENSG00000138231.14	2300	2869	2658	3096	2718
## ENSG00000114098.18	2866	3551	3403	3583	3019
## ENSG00000181322.15	21	40	38	34	26
## ENSG00000158186.13	1879	2030	2079	2133	2228
## ENSG00000158220.14	100	124	159	156	137
## ENSG00000280399.1	9	14	15	5	15
## ENSG00000114107.9	2904	3776	3278	3660	2866
## ENSG00000158234.13	1398	1930	1459	1777	1557
## ENSG00000051382.9	3792	5067	4444	4817	3882
## ENSG00000241429.1	28	46	38	54	49
## ENSG00000183770.7	55	63	72	57	67
## ENSG00000206262.9	17	23	19	36	16
## ENSG00000175110.14	2682	3100	2856	3026	2924
## ENSG00000184432.11	15520	20079	18031	19537	16984
## ENSG00000248932.8	407	508	528	546	443
## ENSG00000114113.6	8	10	7	14	11
## ENSG00000178631.7	36	32	39	36	43
## ENSG00000114115.11	16241	13994	17466	15090	24043
## ENSG00000163864.18	1342	1017	1567	1156	1464
## ENSG00000158258.16	69774	93291	80053	89715	68127
## ENSG00000249290.5	6	1	3	5	0
## ENSG00000114120.14	4680	5813	5778	5615	4278
## ENSG00000248773.1	4	3	8	7	1
## ENSG00000175093.5	1088	1076	1194	1135	1521
## ENSG00000155893.13	2636	3123	3061	3222	3225
## ENSG00000177311.12	1866	2789	2331	2595	1969
## ENSG00000155903.14	797	1161	988	1068	870
## ENSG00000114125.14	4010	5775	4943	5541	5635
## ENSG00000114124.3	3	9	4	10	1
## ENSG00000069849.11	13132	18362	15176	17100	17450
## ENSG00000244124.1	0	3	8	10	3
## ENSG00000114126.18	5512	6789	6954	7021	6026
## ENSG00000233597.3	31	33	32	58	72
## ENSG00000175066.16	886	1145	1120	1128	865
## ENSG00000114127.11	1447	2053	1916	2139	1259
## ENSG00000175054.16	2238	2882	2644	3138	2245
## ENSG00000120756.13	2543	3509	3187	3173	2721
## ENSG00000144935.17	412	589	479	539	411
## ENSG00000163710.9	81	171	120	195	152
## ENSG00000240950.1	22	44	26	37	56
## ENSG00000188582.10	83	68	91	90	87
## ENSG00000163714.18	9121	10973	10645	10843	8517
## ENSG00000175040.6	163	251	188	251	304
## ENSG00000244171.4	17	35	32	22	29
## ENSG00000181804.15	7	13	16	16	9
## ENSG00000243759.1	13	17	11	12	21

## ENSG00000181744.9	6846	13647	8295	11655	8913
## ENSG00000239797.1	18	20	11	26	18
## ENSG00000152952.14	7136	9751	8616	9621	7936
## ENSG00000261051.1	23	29	28	41	42
## ENSG00000243415.2	19	11	11	14	7
## ENSG00000240032.1	21	20	26	27	17
## ENSG00000114698.15	64	80	85	64	60
## ENSG00000188313.13	1554	2485	1879	2339	1814
## ENSG00000174963.18	27	76	25	47	24
## ENSG00000152977.10	85	172	120	164	126
## ENSG00000239922.2	1	4	9	13	13
## ENSG00000144891.19	467	621	584	813	584
## ENSG00000153002.12	159	29	148	25	167
## ENSG00000241627.3	17	12	17	19	16
## ENSG00000163754.18	4210	5451	4778	4881	4884
## ENSG00000071794.16	3105	3563	4051	3978	3074
## ENSG00000163755.9	2415	3003	3050	2964	2404
## ENSG00000047457.14	377	1282	613	1333	444
## ENSG00000286714.1	0	9	8	10	0
## ENSG00000244468.1	14	14	14	12	10
## ENSG00000163762.7	88	129	127	117	60
## ENSG00000169908.12	4331	6393	5404	6211	5742
## ENSG00000240541.3	2	8	11	16	10
## ENSG00000169903.7	16085	26896	18931	24171	23954
## ENSG00000244503.1	102	186	160	195	124
## ENSG00000018408.15	2701	3062	3305	2927	2559
## ENSG00000241313.3	10	5	2	3	8
## ENSG00000114744.9	4386	5264	4886	4899	4809
## ENSG00000206199.11	8	12	8	12	12
## ENSG00000082996.20	2989	4234	3447	3906	3418
## ENSG00000070087.15	18185	21190	20931	21349	22076
## ENSG00000242791.2	8	4	8	2	4
## ENSG00000224831.3	59	67	67	70	50
## ENSG00000196428.13	1765	2313	2367	2342	2107
## ENSG00000120742.11	12845	17153	14859	15482	14737
## ENSG00000144895.12	7560	9269	8085	8963	7786
## ENSG00000198843.14	6128	8551	7229	7709	7000
## ENSG00000240137.8	97	72	118	93	112
## ENSG00000181788.4	2274	2349	2576	2405	2673
## ENSG00000244265.2	2	8	10	2	3
## ENSG00000144893.13	451	518	623	597	433
## ENSG00000138271.6	31	121	57	95	93
## ENSG00000152580.9	898	412	886	357	663
## ENSG00000291076.1	2	6	2	1	5
## ENSG00000114771.14	0	5	0	9	7
## ENSG00000198829.6	5	5	2	12	6
## ENSG00000152601.18	1611	2523	2019	2546	1825
## ENSG00000229619.6	63	67	63	78	48
## ENSG00000169860.7	1804	1048	1915	959	1370
## ENSG00000289885.1	2	11	6	9	5
## ENSG00000181467.5	6625	7788	7104	6633	7854
## ENSG00000238755.3	7	10	9	15	11
## ENSG00000243486.1	1	6	6	9	4
## ENSG00000243069.9	19	10	18	13	14

## ENSG00000114790.13	1013	994	1188	1116	1055
## ENSG00000174953.14	7780	10115	9379	10011	8441
## ENSG00000174948.6	21	18	16	28	21
## ENSG00000196549.13	214	611	636	1017	703
## ENSG00000239443.1	4	8	2	9	3
## ENSG00000114805.18	1711	1837	1929	1949	1746
## ENSG00000241307.1	7	11	5	3	7
## ENSG00000174928.16	119	199	143	171	174
## ENSG00000169359.16	1012	1468	1358	1231	1030
## ENSG00000286585.3	10	4	8	13	10
## ENSG00000163655.16	14626	16986	16879	15523	16438
## ENSG00000240489.1	126	175	179	151	187
## ENSG00000169282.19	115	142	147	156	125
## ENSG00000287916.1	7	7	9	11	9
## ENSG00000272990.1	15	22	18	18	24
## ENSG00000114850.7	17537	23674	19886	22434	20104
## ENSG00000243926.3	22	24	21	25	32
## ENSG00000163659.13	3703	5440	4394	5405	4196
## ENSG00000174912.7	8	21	11	27	7
## ENSG00000240875.6	19	43	41	32	18
## ENSG00000230457.3	46	32	30	47	41
## ENSG00000197980.14	23	26	19	20	31
## ENSG00000243629.2	4	9	11	11	6
## ENSG00000163660.12	1645	2355	2109	2698	1700
## ENSG00000244515.1	38	47	39	37	37
## ENSG00000241770.1	6	4	6	7	10
## ENSG00000243176.8	132	169	151	182	132
## ENSG00000197415.12	199	146	190	168	203
## ENSG00000163661.4	190	407	310	539	333
## ENSG00000293490.1	8	10	9	10	4
## ENSG00000168779.21	11	12	26	20	15
## ENSG00000174891.14	2889	3939	3589	3394	3358
## ENSG00000178053.21	1806	1545	2005	1380	1893
## ENSG00000168827.15	3999	5186	4386	4688	4264
## ENSG00000079257.8	378	489	457	472	455
## ENSG00000118849.10	71	89	90	106	87
## ENSG00000118855.21	999	1197	1069	1108	977
## ENSG00000240207.7	31	25	19	30	25
## ENSG00000271778.1	5	3	9	2	6
## ENSG00000283154.3	116	113	108	138	139
## ENSG00000151967.18	22	29	25	36	24
## ENSG00000244040.7	13	21	22	25	23
## ENSG00000168811.8	15	5	7	10	10
## ENSG00000184100.6	36	39	41	43	27
## ENSG00000180044.6	173	246	178	196	216
## ENSG00000068885.15	751	961	913	862	776
## ENSG00000113810.16	7104	8724	8538	8238	7013
## ENSG00000213186.8	1458	1796	1748	1540	1508
## ENSG00000244009.1	7	6	3	5	5
## ENSG00000186432.10	11502	15049	13809	14487	12898
## ENSG00000293192.1	62	77	57	80	79
## ENSG00000229320.4	94	131	132	99	138
## ENSG00000179674.4	125	224	135	228	147
## ENSG00000260572.1	17	16	25	17	24

## ENSG00000163590.14	5367	6672	6401	5951	5379
## ENSG00000169255.15	1489	1633	1705	1530	1620
## ENSG00000169251.13	6510	8440	7497	7636	6788
## ENSG00000196542.9	2896	2676	3188	2443	3103
## ENSG00000234851.4	281	358	296	414	476
## ENSG00000090402.8	107	138	111	157	101
## ENSG00000121871.4	40	70	52	127	104
## ENSG00000114200.10	456	662	500	638	586
## ENSG00000169064.13	107	114	97	147	123
## ENSG00000174776.12	5	5	1	6	4
## ENSG00000114209.15	3035	3845	3496	3803	3335
## ENSG00000163536.13	802	627	851	619	688
## ENSG00000173905.9	4601	6104	6027	6612	5278
## ENSG00000293389.1	5	8	19	8	11
## ENSG00000085276.19	10873	15548	12692	14154	11389
## ENSG00000241479.1	14	20	18	15	12
## ENSG00000213178.3	82	105	98	109	122
## ENSG00000184378.3	160	243	191	175	190
## ENSG00000269889.1	8	5	3	7	12
## ENSG00000085274.16	1190	1687	1370	1411	1330
## ENSG00000269984.1	23	22	13	30	14
## ENSG00000171757.17	156	190	193	196	179
## ENSG00000188306.7	2	9	11	5	5
## ENSG00000114248.10	101	268	135	311	136
## ENSG00000239219.2	5	1	8	11	6
## ENSG00000008952.17	10881	15108	12851	13079	11976
## ENSG00000173890.17	888	1437	1168	1084	900
## ENSG00000173889.16	1957	2572	2448	2738	1977
## ENSG00000163558.13	7144	9491	8799	9263	7327
## ENSG00000136603.15	2320	3729	2974	3031	2505
## ENSG00000013297.12	218	125	322	106	244
## ENSG00000013293.6	128	35	126	38	54
## ENSG00000241416.1	14	11	6	7	11
## ENSG00000163584.18	3920	3609	4208	3326	3382
## ENSG00000163577.8	295	399	357	370	345
## ENSG00000163581.14	814	1971	938	1710	1340
## ENSG00000154310.17	6835	10829	8275	10018	8391
## ENSG00000240497.3	11	15	17	14	18
## ENSG00000279673.2	180	243	172	257	243
## ENSG00000075651.17	6814	12085	8292	11285	8146
## ENSG00000075420.13	8495	13159	10808	12841	9311
## ENSG00000236686.1	3	7	4	10	11
## ENSG00000121858.11	127	112	207	167	111
## ENSG00000144959.11	559	929	821	941	648
## ENSG00000114346.14	6027	7959	7044	7524	6422
## ENSG00000227440.1	13	7	8	18	16
## ENSG00000169760.18	110	99	154	93	118
## ENSG00000213169.3	26	34	22	33	54
## ENSG00000177694.16	137	191	177	210	141
## ENSG00000214192.3	15	17	16	21	9
## ENSG00000230362.1	1	4	6	9	10
## ENSG00000223715.3	24	61	40	41	45
## ENSG00000177565.19	10075	15098	12649	12969	10405
## ENSG00000203645.2	6	11	7	10	5

## ENSG00000228221.6	7	5	17	8	9
## ENSG00000231574.7	18	39	15	33	12
## ENSG00000223930.9	7	5	9	12	10
## ENSG00000197584.13	10	13	9	6	6
## ENSG00000237978.6	31	51	20	51	36
## ENSG00000172667.11	6215	12024	8330	11493	8781
## ENSG00000121879.6	2189	3227	2904	3126	2432
## ENSG00000171121.17	44	74	63	79	55
## ENSG00000240429.1	60	60	84	98	61
## ENSG00000121864.10	3061	3680	3453	3522	3345
## ENSG00000260743.1	13	23	20	13	14
## ENSG00000171109.19	3051	3720	3504	3740	2981
## ENSG00000289574.1	3	12	9	8	2
## ENSG00000114450.11	530	504	661	467	513
## ENSG00000136518.17	6737	8393	7710	8405	7971
## ENSG00000272910.1	4	15	9	16	17
## ENSG00000136522.14	4831	5911	5147	5443	5633
## ENSG00000136521.13	2295	3044	2530	2570	2586
## ENSG00000288698.1	5	5	3	7	2
## ENSG00000243977.1	2	6	3	5	3
## ENSG00000058056.10	1296	1359	1382	1281	1348
## ENSG00000114757.19	136	121	181	98	118
## ENSG00000163728.11	781	1130	870	999	793
## ENSG00000284862.3	12	14	13	17	8
## ENSG00000114416.19	17578	18772	20774	18038	17081
## ENSG00000205981.9	1540	1768	1763	1910	1898
## ENSG00000242808.12	15	7	9	2	10
## ENSG00000206932.1	11	8	11	8	3
## ENSG00000181449.4	1450	588	1577	495	1398
## ENSG00000058063.16	6738	6718	8469	6638	6162
## ENSG00000273261.1	15	14	17	8	20
## ENSG00000043093.15	4571	6628	5723	5774	4967
## ENSG00000078070.14	1855	2204	2216	2397	2122
## ENSG00000078081.8	111	137	133	169	142
## ENSG00000053524.13	42	25	50	34	40
## ENSG00000176597.12	2624	3336	3177	3147	2847
## ENSG00000291106.1	428	538	502	528	511
## ENSG00000172578.12	1	5	3	7	5
## ENSG00000114796.16	3089	5351	4179	5309	3593
## ENSG00000163872.16	6034	7275	7554	8277	6332
## ENSG00000233885.7	10	26	18	27	17
## ENSG00000180834.8	6	7	9	10	18
## ENSG00000175193.14	806	1037	874	991	955
## ENSG00000114770.17	2730	2975	3070	3148	2861
## ENSG00000223529.1	96	85	85	128	158
## ENSG00000205955.4	6	7	7	4	13
## ENSG00000273181.1	6	5	11	8	4
## ENSG00000272721.5	15	15	11	12	10
## ENSG00000145191.15	4670	5153	5131	5422	5265
## ENSG00000228205.1	84	95	99	96	147
## ENSG00000161202.20	6905	7800	7884	8211	8310
## ENSG00000161203.14	19763	22800	21934	22511	26556
## ENSG00000161204.12	3571	3877	3797	3810	4100
## ENSG00000145198.15	906	521	1007	504	874

## ENSG00000214160.10	3263	3957	3689	3998	4781
## ENSG00000284753.2	358	431	386	434	508
## ENSG00000163888.4	61	66	101	70	118
## ENSG00000175166.17	28400	31913	31402	30863	33678
## ENSG00000114867.22	51477	60553	57650	58479	61194
## ENSG00000175182.15	687	703	755	745	873
## ENSG00000114859.16	972	1260	1204	1364	1268
## ENSG00000163882.10	3922	5040	4407	5412	5467
## ENSG00000090534.20	290	249	319	216	361
## ENSG00000289500.2	19	10	14	19	9
## ENSG00000090539.16	266	247	293	218	344
## ENSG00000182580.3	1461	1241	1724	1370	1808
## ENSG00000177383.5	3770	4613	4450	4938	4803
## ENSG00000272970.5	53	96	71	98	83
## ENSG00000273403.1	6	5	5	3	9
## ENSG00000156931.16	3510	3991	3973	3794	3418
## ENSG00000187068.3	182	434	201	363	262
## ENSG00000113790.11	988	1595	1176	1552	1148
## ENSG00000073803.14	908	2226	1025	2099	2001
## ENSG00000229638.1	708	740	726	828	1035
## ENSG00000163900.11	2671	4069	3197	4434	3346
## ENSG00000163898.10	394	874	702	819	501
## ENSG00000163904.13	4062	5372	4875	5122	4496
## ENSG00000073792.16	13411	16585	15735	16451	15725
## ENSG00000136527.19	15948	18806	17982	17331	19198
## ENSG00000244405.8	2331	3328	2784	3311	3315
## ENSG00000058866.15	132	59	147	54	85
## ENSG00000226859.1	3	8	3	8	9
## ENSG00000213139.8	19	20	30	38	24
## ENSG00000113838.13	968	1145	1097	1125	991
## ENSG00000090520.12	5581	7747	6130	7488	6902
## ENSG00000283390.1	5	9	12	20	20
## ENSG00000145192.13	138	156	436	445	169
## ENSG00000113905.5	5	2	4	5	2
## ENSG00000113889.14	8	11	20	34	10
## ENSG00000263826.1	12	14	15	11	18
## ENSG00000156976.17	22270	28751	28849	31994	25114
## ENSG00000163918.12	2389	2602	2773	2704	2866
## ENSG00000289971.1	8	9	6	4	13
## ENSG00000223803.1	38	28	41	52	52
## ENSG00000073849.16	12638	15144	14830	15055	14648
## ENSG00000163923.10	850	950	946	1081	1078
## ENSG00000127241.18	1071	2817	1552	2919	1647
## ENSG00000283175.1	0	7	5	9	7
## ENSG00000228952.1	8	3	16	10	5
## ENSG00000157005.4	1058	166	894	156	1337
## ENSG00000113916.18	581	871	719	925	715
## ENSG00000285938.1	7	5	5	15	3
## ENSG00000290021.1	4	15	8	15	3
## ENSG00000270959.2	62	76	65	73	71
## ENSG00000145012.15	12131	20017	16155	19947	11889
## ENSG00000188001.10	7	25	19	18	12
## ENSG00000073282.14	3	38	7	66	16
## ENSG00000090530.10	3711	4569	3938	4708	4443

## ENSG00000225764.3	6	8	2	6	9
## ENSG00000163347.6	3165	5562	3854	5315	4217
## ENSG00000113946.4	10	28	26	43	26
## ENSG00000196083.11	964	1421	1182	1536	1206
## ENSG00000205835.9	1	13	13	9	9
## ENSG00000188958.10	4	6	11	10	10
## ENSG00000152492.15	5864	7286	6883	6806	6675
## ENSG00000114279.15	304	249	342	187	299
## ENSG00000230126.1	13	8	13	3	13
## ENSG00000226709.1	11	12	5	12	10
## ENSG00000180611.7	1902	1897	2128	1946	2055
## ENSG00000127252.7	261	234	271	282	341
## ENSG00000187527.12	3	8	9	12	5
## ENSG00000236508.1	6	6	2	5	7
## ENSG00000127249.15	233	514	249	523	203
## ENSG00000198836.11	8537	10812	10350	10493	8676
## ENSG00000229155.2	1790	2171	1937	2158	1945
## ENSG00000230102.8	8	4	12	16	10
## ENSG00000232874.1	4	7	6	20	8
## ENSG00000114315.4	5735	7110	6500	7445	7654
## ENSG00000225742.6	67	86	50	81	75
## ENSG00000214145.8	40	29	33	50	64
## ENSG00000172061.9	11	15	19	11	10
## ENSG00000133657.17	18456	26120	22572	25888	18099
## ENSG00000233058.3	317	350	412	322	335
## ENSG00000244675.2	3	3	6	8	2
## ENSG00000231770.8	137	203	163	180	171
## ENSG00000288979.1	24	20	36	23	30
## ENSG00000145014.18	823	841	939	990	958
## ENSG00000229334.2	14	10	16	18	33
## ENSG00000272707.1	4	5	5	15	6
## ENSG00000041802.11	4142	4662	4479	4609	4437
## ENSG00000185112.6	91	194	105	168	122
## ENSG00000173950.16	2897	3320	3293	3227	3889
## ENSG00000287005.1	8	6	3	5	1
## ENSG00000114331.16	1962	2867	2720	2825	1966
## ENSG00000229325.1	5	4	7	7	5
## ENSG00000184203.8	2658	3318	3174	2717	2817
## ENSG00000223711.2	5	7	3	6	4
## ENSG00000236844.1	8	2	4	6	10
## ENSG00000189058.9	9	15	11	13	23
## ENSG00000224769.1	6	6	8	7	1
## ENSG00000289929.1	10	13	12	26	11
## ENSG00000282206.1	6	3	4	6	0
## ENSG00000271662.1	13	17	20	13	20
## ENSG00000229178.1	6	4	6	4	5
## ENSG00000242086.8	204	271	256	297	200
## ENSG00000207650.1	7	9	5	8	4
## ENSG00000176945.18	53	76	69	54	44
## ENSG00000145113.22	321	333	364	361	308
## ENSG00000061938.21	1139	1092	1298	1224	1372
## ENSG00000286004.1	9	11	16	23	10
## ENSG00000224614.2	9	8	3	5	4
## ENSG00000290762.1	59	78	87	64	58

## ENSG00000231443.2	14	12	16	24	12
## ENSG00000290763.1	64	100	91	130	79
## ENSG00000072274.14	10759	15226	13383	16104	11521
## ENSG00000163959.10	75	122	105	122	96
## ENSG00000161217.12	4150	5269	4612	5137	4017
## ENSG00000213123.11	234	281	254	222	290
## ENSG00000237418.1	0	5	1	5	5
## ENSG00000235897.1	2	8	2	6	7
## ENSG00000163960.12	8645	11519	10987	10750	8710
## ENSG00000243339.3	9	13	12	24	15
## ENSG00000163961.4	2400	2906	2978	2567	2568
## ENSG00000185798.8	587	664	677	723	618
## ENSG00000174013.8	2407	2940	2912	2721	2628
## ENSG00000232065.2	5	9	9	5	8
## ENSG00000174004.6	36	23	34	32	50
## ENSG00000163964.18	1980	2562	2423	2438	2236
## ENSG00000174007.9	323	393	344	421	379
## ENSG00000180370.10	14946	19692	17887	18068	15680
## ENSG00000272359.1	6	11	3	5	4
## ENSG00000119231.11	3076	4025	3796	4172	3457
## ENSG00000114503.11	8775	12357	10407	12508	10314
## ENSG00000225578.1	7	15	12	9	8
## ENSG00000270170.2	1276	1477	1315	1600	1785
## ENSG00000119227.8	444	650	571	757	642
## ENSG00000286017.1	16	20	9	19	18
## ENSG00000163975.14	556	1027	646	1063	726
## ENSG00000228109.2	13	18	15	23	25
## ENSG00000075711.21	6570	8078	8122	8487	6731
## ENSG00000289396.1	6	18	18	14	3
## ENSG00000227375.6	7	9	11	10	17
## ENSG00000272989.1	10	4	7	11	9
## ENSG00000161267.12	854	812	919	854	970
## ENSG00000291091.1	379	494	453	488	406
## ENSG00000249626.1	55	66	76	66	59
## ENSG00000273308.1	3	7	6	8	10
## ENSG00000286909.1	18	25	26	30	28
## ENSG00000145016.17	615	752	741	721	700
## ENSG00000122068.13	5310	6027	6179	5861	5587
## ENSG00000186001.14	2971	3610	3564	3827	3220
## ENSG00000234742.1	41	43	36	60	67
## ENSG00000114473.14	721	750	816	719	705
## ENSG00000182899.17	37753	48721	44635	50766	56570
## ENSG00000185621.11	564	644	643	699	581
## ENSG00000290937.1	62	72	79	88	70
## ENSG00000272602.6	858	1068	1041	1085	903
## ENSG00000289361.1	35	85	73	61	58
## ENSG00000250312.8	846	1098	974	1042	871
## ENSG00000250892.1	4	9	7	4	6
## ENSG00000290382.1	145	176	149	142	141
## ENSG00000198155.6	11	9	20	9	7
## ENSG00000251188.1	82	111	110	119	84
## ENSG00000251689.1	57	50	63	74	44
## ENSG00000186777.13	503	524	530	517	453
## ENSG00000286705.2	8	10	8	8	7

## ENSG00000131127.14	1378	1840	1705	1632	1439
## ENSG00000250321.1	17	22	18	26	24
## ENSG00000272885.1	12	17	10	7	8
## ENSG00000293360.1	92	132	121	103	104
## ENSG00000251595.8	7	5	12	7	3
## ENSG00000182903.16	1677	2206	2122	2318	1650
## ENSG00000174227.16	2573	3541	2682	3692	2995
## ENSG00000273238.3	24	18	42	10	46
## ENSG00000283183.4	26	20	39	25	32
## ENSG00000133256.13	385	467	501	453	461
## ENSG00000272927.1	13	14	20	9	10
## ENSG00000169020.10	2751	3339	3333	3778	4254
## ENSG00000215375.7	239	257	217	283	288
## ENSG00000169026.13	65	49	73	49	71
## ENSG00000185619.19	3277	4554	3873	4621	3878
## ENSG00000249592.7	271	398	373	352	293
## ENSG00000168993.15	273	182	284	203	327
## ENSG00000289983.1	14	19	13	24	14
## ENSG00000178950.18	4045	4712	4467	4842	4783
## ENSG00000127419.17	414	400	439	499	528
## ENSG00000145214.14	1283	1347	1344	1504	1601
## ENSG00000145217.14	131	122	113	110	122
## ENSG00000127415.13	255	287	272	300	363
## ENSG00000127418.15	9601	9992	10846	10117	14069
## ENSG00000178222.14	92	87	81	112	114
## ENSG00000159674.12	34	50	88	103	101
## ENSG00000280927.1	41	28	35	49	37
## ENSG00000159692.18	5928	6631	6418	6730	7952
## ENSG00000196810.6	1101	1249	1242	1386	1374
## ENSG00000090316.16	4932	5836	5403	6224	6641
## ENSG00000163945.19	1509	2085	1833	2224	1456
## ENSG00000244459.4	11	19	17	14	16
## ENSG00000174137.14	67	36	54	58	72
## ENSG00000163950.13	5004	5562	5609	5640	5781
## ENSG00000013810.21	7191	7317	8013	7314	9100
## ENSG00000168936.12	2817	3064	3017	3467	3609
## ENSG00000068078.20	3334	4026	3621	4418	4289
## ENSG00000168924.15	6528	7791	7681	7871	8357
## ENSG00000109685.19	14296	16348	17142	16394	15978
## ENSG00000185049.16	2607	2625	2855	2750	3220
## ENSG00000243449.8	436	216	427	353	704
## ENSG00000185818.8	4021	3876	4672	4053	5362
## ENSG00000130997.16	9	10	15	18	11
## ENSG00000214367.10	214	298	301	252	209
## ENSG00000123933.17	5965	7212	6332	7160	8042
## ENSG00000159733.14	41	47	65	63	50
## ENSG00000206113.12	4	2	4	9	5
## ENSG00000063978.17	4981	6233	5701	6752	5994
## ENSG00000125386.16	2472	2971	2899	3181	3102
## ENSG00000168884.15	1444	1708	1503	1693	1973
## ENSG00000087266.17	2152	2459	2618	2662	2564
## ENSG00000087274.19	14659	17425	17043	17828	17381
## ENSG00000109736.15	2943	3301	3485	3389	4093
## ENSG00000249673.9	806	819	906	878	927

## ENSG00000087269.16	6640	7739	7512	7843	7585
## ENSG00000125388.20	332	312	336	336	355
## ENSG00000197386.14	12653	15530	14556	16293	13695
## ENSG00000188981.11	18	23	10	14	18
## ENSG00000159788.20	2289	2649	2550	2702	2805
## ENSG00000248840.3	8	9	9	15	10
## ENSG00000109758.9	10	16	11	17	12
## ENSG00000175920.18	4	10	12	8	12
## ENSG00000163956.13	10612	13825	11905	13810	15354
## ENSG00000250986.1	29	35	44	35	58
## ENSG00000184160.8	274	262	304	328	414
## ENSG00000251271.3	11	13	16	10	16
## ENSG00000290374.1	333	354	352	352	377
## ENSG00000290888.1	11	17	20	22	21
## ENSG00000132406.12	970	1320	1189	1268	1178
## ENSG00000289032.1	3	10	8	8	3
## ENSG00000145220.14	2575	2839	2830	2614	2786
## ENSG00000168826.16	170	218	233	259	197
## ENSG00000168824.15	3053	2282	3310	2329	3678
## ENSG00000168818.10	2229	2887	2404	2635	2685
## ENSG00000247708.8	274	318	346	319	260
## ENSG00000280310.1	21	16	28	25	28
## ENSG00000163132.8	12	14	16	17	15
## ENSG00000251587.1	5	3	6	5	3
## ENSG00000170891.11	13	5	26	9	17
## ENSG00000152953.13	53	30	54	25	42
## ENSG00000173040.13	451	505	485	514	500
## ENSG00000072840.13	1580	1907	1906	2025	1657
## ENSG00000072832.15	9189	7378	10074	7067	9668
## ENSG00000289414.2	13	3	7	5	6
## ENSG00000181215.17	11	8	8	4	8
## ENSG00000290803.1	55	14	51	15	37
## ENSG00000109501.15	4096	4247	4583	4058	5533
## ENSG00000286176.2	7	12	12	19	7
## ENSG00000074211.14	332	310	385	320	411
## ENSG00000013288.9	2812	3096	3094	3281	3405
## ENSG00000179010.16	25469	30293	28866	28755	31065
## ENSG00000251580.3	75	82	83	84	85
## ENSG00000170846.17	1196	1368	1349	1525	1442
## ENSG00000163993.7	229	398	247	432	331
## ENSG00000178988.11	4864	6082	5592	6005	5636
## ENSG00000186222.5	1247	1493	1328	1573	1620
## ENSG00000170871.12	7778	9924	9580	9980	7793
## ENSG00000132405.19	3395	4157	4044	4446	3733
## ENSG00000287104.2	66	50	84	60	77
## ENSG00000245748.1	4	12	11	10	6
## ENSG00000173013.6	147	194	181	162	264
## ENSG00000173011.12	1926	2317	2143	2253	2379
## ENSG00000109519.14	4309	5264	5157	5289	5614
## ENSG00000245468.5	11	6	2	5	4
## ENSG00000184985.17	314	375	413	348	383
## ENSG00000178597.7	587	390	683	424	728
## ENSG00000272620.2	7	20	11	13	7
## ENSG00000196526.11	1310	1536	1358	1481	1184

## ENSG00000163995.22	123	85	119	85	123
## ENSG00000290015.1	10	12	9	16	9
## ENSG00000250471.2	16	11	21	13	23
## ENSG00000125089.18	526	627	598	653	694
## ENSG00000170801.10	357	387	407	451	460
## ENSG00000251615.3	43	77	86	66	96
## ENSG00000087008.16	606	696	703	733	695
## ENSG00000155275.19	770	906	830	929	939
## ENSG00000205959.4	36	47	54	44	29
## ENSG00000109625.19	1	4	7	6	5
## ENSG00000215612.8	54	194	65	206	213
## ENSG00000284636.1	4	5	11	5	10
## ENSG00000288075.1	375	217	438	204	224
## ENSG00000287972.1	17	3	22	10	8
## ENSG00000284648.1	12	13	29	11	8
## ENSG00000287117.1	5	2	2	6	2
## ENSG00000250942.1	5	1	1	6	3
## ENSG00000109667.12	43	45	62	56	52
## ENSG00000071127.18	29618	38644	33063	36782	39356
## ENSG00000178163.8	4167	5518	4814	5404	4561
## ENSG00000249334.1	8	1	2	5	6
## ENSG00000250896.1	31	16	21	30	33
## ENSG00000002587.10	223	272	238	235	365
## ENSG00000205940.9	5	4	11	6	10
## ENSG00000157869.16	1317	1733	1562	1672	1560
## ENSG00000038219.13	4205	5323	5129	5888	3985
## ENSG00000250634.6	6	1	5	3	2
## ENSG00000137449.17	356	626	477	531	415
## ENSG00000048342.18	1167	1490	1259	1528	1208
## ENSG00000273133.1	10	10	3	8	7
## ENSG00000118564.15	4171	4898	4793	5020	4775
## ENSG00000237765.8	811	1174	937	1048	913
## ENSG00000109743.11	100	100	101	95	99
## ENSG00000214846.4	4	5	7	17	18
## ENSG00000004468.13	2	11	4	10	5
## ENSG00000137440.5	4	33	12	20	10
## ENSG00000007062.12	35161	59440	42510	58089	45688
## ENSG00000169762.17	1415	2132	1571	1819	1727
## ENSG00000263327.6	67	93	88	95	87
## ENSG00000169744.13	116	44	98	77	71
## ENSG00000151552.13	5241	5263	6016	5267	6389
## ENSG00000002549.13	3868	4789	4728	4822	4562
## ENSG00000249502.3	10	4	16	3	6
## ENSG00000118579.13	10018	12980	12297	13067	11842
## ENSG00000047662.5	15	27	29	25	23
## ENSG00000163257.11	3307	3509	3857	3766	3148
## ENSG00000109805.10	5261	5891	5821	5605	5586
## ENSG00000178177.17	2098	2599	2648	2424	2156
## ENSG00000235413.3	9	18	6	10	4
## ENSG00000241612.1	6	9	5	11	15
## ENSG00000145147.20	2235	2766	2443	3064	2630
## ENSG00000163138.19	948	1249	1110	1271	1165
## ENSG00000185774.17	47	90	55	69	66
## ENSG00000286318.1	3	8	2	9	8

## ENSG00000152990.14	9875	12030	11892	12849	11341
## ENSG00000244538.1	17	21	26	32	32
## ENSG00000249948.7	213	293	204	227	248
## ENSG00000237350.1	120	147	111	167	149
## ENSG00000109819.9	85	122	132	109	96
## ENSG00000289201.1	9	5	9	8	9
## ENSG00000109606.13	19339	25151	22994	25861	21877
## ENSG00000207697.1	8	10	21	21	15
## ENSG00000109610.6	288	245	257	271	368
## ENSG00000181982.20	869	1121	1019	1207	1014
## ENSG00000153012.12	1660	1625	1833	1628	1407
## ENSG00000109618.13	641	825	759	855	645
## ENSG00000281501.1	36	42	53	57	48
## ENSG00000038210.14	1961	2714	2320	2401	2068
## ENSG00000168228.16	658	836	802	986	801
## ENSG00000053900.11	1584	1786	1691	1763	1561
## ENSG00000157765.13	1419	1463	1654	1791	1406
## ENSG00000250050.1	5	11	6	9	5
## ENSG00000091490.11	12002	15696	14192	15649	12631
## ENSG00000250317.9	1434	1987	1765	2070	1793
## ENSG00000168214.22	8368	11119	10703	10208	8897
## ENSG00000109680.11	611	607	646	616	641
## ENSG00000109689.20	1011	1210	1227	1220	1183
## ENSG00000286321.1	5	13	15	12	11
## ENSG00000288940.1	14	29	21	28	25
## ENSG00000286596.1	51	65	44	67	59
## ENSG00000169851.16	13967	18422	16004	18108	16069
## ENSG00000251434.1	25	23	11	44	15
## ENSG00000251129.3	1689	593	2003	581	671
## ENSG00000047365.13	721	1126	926	1032	788
## ENSG00000197057.10	13	2	8	7	12
## ENSG00000261761.5	6	5	5	10	8
## ENSG00000174145.8	62	120	81	157	101
## ENSG00000154274.15	1894	2760	2074	2729	2208
## ENSG00000248936.1	2	5	6	4	7
## ENSG00000181826.10	2404	3607	2793	3217	2972
## ENSG00000169299.14	3698	5411	4271	5421	4613
## ENSG00000279386.1	27	30	42	41	36
## ENSG00000249863.2	66	119	84	124	91
## ENSG00000065882.18	5328	5980	6246	5565	6307
## ENSG00000231160.12	124	178	156	225	146
## ENSG00000109787.13	8121	11849	10017	11422	8958
## ENSG00000174125.8	26	25	24	30	18
## ENSG00000174130.13	25	23	21	25	24
## ENSG00000197712.12	2030	2996	3032	3038	2362
## ENSG00000121895.8	69	49	75	38	42
## ENSG00000109790.18	16356	19618	19141	17767	16398
## ENSG00000249207.2	81	81	73	64	54
## ENSG00000249685.1	34	17	33	35	23
## ENSG00000157796.18	1254	1400	1545	1455	1244
## ENSG00000035928.17	6783	7841	7880	7747	6764
## ENSG00000134962.7	89	103	155	134	67
## ENSG00000163682.17	107783	151297	116758	145933	158764
## ENSG00000121897.15	822	1155	1070	1071	1055

## ENSG00000109814.12	14071	18743	17036	17079	15974
## ENSG00000249348.2	185	242	246	245	204
## ENSG00000287262.1	42	48	62	50	61
## ENSG00000163683.12	6025	9682	7909	8695	7064
## ENSG00000255458.9	14	16	14	25	22
## ENSG00000078140.14	14067	18016	16886	16279	15706
## ENSG00000121892.15	12254	14763	14779	15221	12330
## ENSG00000250568.1	19	13	24	24	26
## ENSG00000231707.4	19	22	18	24	23
## ENSG00000078177.15	4440	5747	5520	5344	3785
## ENSG00000260296.1	69	67	101	91	76
## ENSG00000168421.14	216	168	251	154	228
## ENSG00000163694.15	9295	13716	11523	12760	10758
## ENSG00000179299.17	519	695	719	787	639
## ENSG00000248780.1	4	5	11	13	15
## ENSG00000163697.18	6197	9535	7601	8943	7051
## ENSG00000250906.1	1	5	3	6	1
## ENSG00000154277.13	13968	13558	15240	14080	18392
## ENSG00000064042.18	976	1588	1098	1802	1236
## ENSG00000109132.7	39	8	30	3	8
## ENSG00000245870.5	13	0	10	1	3
## ENSG00000109133.14	7315	9566	8772	8195	7859
## ENSG00000182308.7	16	9	18	21	17
## ENSG00000014824.14	9914	11785	11204	10541	9966
## ENSG00000249212.1	6	5	3	3	6
## ENSG00000188848.17	32	16	46	27	24
## ENSG00000178343.5	55	29	38	40	30
## ENSG00000124406.17	882	942	1024	913	780
## ENSG00000286891.1	13	3	6	2	8
## ENSG00000124399.4	2	4	2	5	9
## ENSG00000183783.7	337	445	424	373	477
## ENSG00000177752.15	5	13	8	3	3
## ENSG00000151806.14	4250	4955	4480	4623	4412
## ENSG00000163281.12	718	1056	881	979	833
## ENSG00000273369.1	6	5	10	12	7
## ENSG00000163285.8	4	3	5	5	16
## ENSG00000151834.16	3068	4636	4062	4585	4224
## ENSG00000249936.3	106	94	96	81	101
## ENSG00000109158.11	49	23	52	22	58
## ENSG00000163288.14	124	148	149	177	149
## ENSG00000260918.1	87	81	129	67	89
## ENSG00000169019.11	976	1342	1201	1036	1080
## ENSG00000145246.14	1373	1340	1576	1331	1202
## ENSG00000145244.12	141	157	148	109	133
## ENSG00000242262.1	42	61	49	63	69
## ENSG00000259959.1	430	517	555	509	475
## ENSG00000170448.12	3239	4315	3775	4242	3250
## ENSG00000163293.12	10060	14610	12353	13065	10216
## ENSG00000198515.16	614	771	761	707	640
## ENSG00000074966.11	331	457	296	450	341
## ENSG00000135605.13	180	157	235	222	171
## ENSG00000109171.15	4716	7090	5699	6456	5403
## ENSG00000145248.7	227	230	327	302	217
## ENSG00000075539.15	3537	4186	4402	3992	3319

## ENSG00000109180.15	8385	11871	9853	11540	10399
## ENSG00000248256.1	7	12	9	17	14
## ENSG00000145247.12	4021	2626	4667	2724	2898
## ENSG00000109184.15	3335	4165	4182	3945	3530
## ENSG00000188993.4	23	27	27	27	17
## ENSG00000163069.13	2995	3937	3594	3777	3534
## ENSG00000163071.11	997	1788	1281	1767	1364
## ENSG00000109189.13	4390	5755	5319	5667	4608
## ENSG00000248866.1	119	148	125	149	146
## ENSG00000226950.8	4785	5633	5490	5870	6765
## ENSG00000250302.3	18	19	20	23	23
## ENSG00000226887.8	801	832	1020	876	934
## ENSG00000128045.7	41	32	40	43	53
## ENSG00000184178.17	972	1044	1168	1017	1051
## ENSG00000145216.17	2277	2765	2770	2858	2656
## ENSG00000072201.14	376	557	425	580	453
## ENSG00000272650.1	1	2	1	5	5
## ENSG00000109220.11	534	653	624	632	643
## ENSG00000134853.12	998	669	1300	718	1167
## ENSG00000157404.17	2573	2693	3165	3041	2668
## ENSG00000128052.10	135	399	272	609	427
## ENSG00000128039.13	240	316	321	241	281
## ENSG00000288695.1	6	6	5	6	3
## ENSG00000249700.9	9	14	2	7	0
## ENSG00000134851.13	3734	5370	4286	5049	4864
## ENSG00000134852.15	2116	3057	2710	2762	2277
## ENSG00000109255.11	55	32	52	41	58
## ENSG00000090989.18	2456	3017	2741	2967	2527
## ENSG00000286599.1	11	14	5	26	4
## ENSG00000174799.12	799	932	921	980	741
## ENSG00000109265.15	4653	5550	5511	5573	4961
## ENSG00000157426.14	1097	1232	1308	1378	1104
## ENSG00000242083.2	25	30	20	28	38
## ENSG00000269921.1	5	14	5	6	6
## ENSG00000128059.8	4484	5315	5433	5350	4805
## ENSG00000270147.1	5	5	8	6	0
## ENSG00000128050.9	34211	39898	40096	40780	39330
## ENSG00000289393.1	20	24	33	26	21
## ENSG00000174780.17	17942	21012	19399	20115	19612
## ENSG00000196503.5	59	77	62	68	61
## ENSG00000249693.3	27	22	28	31	41
## ENSG00000248590.2	18	27	34	44	40
## ENSG00000171476.23	51	49	63	51	76
## ENSG00000084093.19	5518	7819	7109	7827	5865
## ENSG00000269949.1	19	14	21	14	19
## ENSG00000084092.7	3002	3425	3288	3311	3445
## ENSG00000047315.17	15932	19207	18907	20747	16411
## ENSG00000163453.11	2108	2757	2931	3369	3693
## ENSG00000150471.17	7804	8211	8844	8311	8056
## ENSG00000289308.2	11	9	14	14	9
## ENSG00000226439.3	4	3	6	6	6
## ENSG00000225405.3	1	2	3	11	10
## ENSG00000180673.9	6	12	10	8	15
## ENSG00000145242.14	50	40	72	50	50

## ENSG00000243199.1	210	200	241	286	330
## ENSG00000250846.6	9	10	17	9	6
## ENSG00000145241.11	1124	1389	1422	1477	1140
## ENSG00000279464.1	8	20	12	20	15
## ENSG00000033178.13	5346	7808	7020	7760	5513
## ENSG00000248049.8	643	858	720	704	807
## ENSG00000109163.7	15	17	19	20	12
## ENSG00000187054.16	15	14	7	12	10
## ENSG00000227725.3	3	6	3	5	5
## ENSG00000083896.13	8105	11016	10067	11367	9003
## ENSG00000087128.10	3	7	8	12	7
## ENSG00000197888.3	10	22	13	15	10
## ENSG00000196620.10	69	226	79	203	129
## ENSG00000250376.1	41	58	33	54	43
## ENSG00000109181.12	18	30	16	42	31
## ENSG00000251529.1	5	13	7	13	8
## ENSG00000248547.2	5	16	18	13	15
## ENSG00000248613.1	11	14	15	28	7
## ENSG00000272626.1	80	122	92	122	103
## ENSG00000198277.6	15	22	21	29	18
## ENSG00000135220.11	64	143	94	144	107
## ENSG00000250919.1	3	7	5	10	3
## ENSG00000171234.14	367	693	370	609	476
## ENSG00000250696.5	8	11	5	9	9
## ENSG00000213759.10	1182	2465	1622	2268	1854
## ENSG00000135226.18	5	16	11	12	15
## ENSG00000156096.15	47	184	39	161	75
## ENSG00000173610.13	36	43	28	47	41
## ENSG00000173597.9	1492	2238	1722	2181	1285
## ENSG00000284695.1	10	22	19	24	12
## ENSG00000109193.12	1406	2718	1781	2689	1612
## ENSG00000126549.11	10	8	10	3	17
## ENSG00000109205.17	219	291	285	279	232
## ENSG00000178522.15	27	122	39	115	40
## ENSG00000132464.13	12	21	20	16	12
## ENSG00000132467.4	3133	4151	4021	3907	3880
## ENSG00000272986.1	11	18	15	18	8
## ENSG00000018189.13	4393	5371	4978	4976	4682
## ENSG00000132463.15	12154	14714	14375	13981	12964
## ENSG00000289019.1	71	87	77	83	98
## ENSG00000173542.9	4010	5382	5226	4731	3754
## ENSG00000156136.10	3033	4269	3748	3612	3542
## ENSG00000080493.19	17471	26937	22231	25863	20082
## ENSG00000145321.13	208	193	206	189	154
## ENSG00000056291.19	331	372	352	364	369
## ENSG00000156140.11	186	156	190	136	182
## ENSG00000163626.17	1799	2242	2130	2295	2214
## ENSG00000132466.20	13570	17851	16731	18075	14851
## ENSG00000248641.1	19	17	23	32	41
## ENSG00000250220.1	21	24	14	21	17
## ENSG00000163631.19	1724	3445	5384	6307	3033
## ENSG00000081051.8	85469	183031	123731	220656	123624
## ENSG00000079557.5	24	5	13	3	17
## ENSG00000169435.14	628	618	699	559	421

## ENSG00000169429.12	945	941	833	738	668
## ENSG00000124875.10	538	414	640	271	491
## ENSG00000109272.4	20	18	24	24	9
## ENSG00000163739.5	249	296	343	296	260
## ENSG00000249920.2	4	3	5	3	7
## ENSG00000163735.7	2943	4325	3337	2795	2587
## ENSG00000287037.1	8	5	8	14	10
## ENSG00000163734.4	180	266	202	244	174
## ENSG00000081041.9	48	69	53	75	43
## ENSG00000163738.19	464	621	579	465	521
## ENSG00000269559.2	8	5	10	8	12
## ENSG00000124882.4	7	20	15	29	11
## ENSG00000109321.11	5865	12240	8871	13837	8646
## ENSG00000174808.12	13	35	29	24	18
## ENSG00000169116.11	7492	13254	11271	14524	9113
## ENSG00000260265.1	30	31	30	38	64
## ENSG00000163743.14	1689	2289	2078	2220	1831
## ENSG00000174796.12	527	650	660	681	509
## ENSG00000138769.11	122	92	172	102	146
## ENSG00000138757.15	25497	32108	30109	29453	27247
## ENSG00000138768.15	10875	14092	13012	13560	10988
## ENSG00000138744.16	185	148	205	168	195
## ENSG00000198301.12	5469	6028	5773	5921	5557
## ENSG00000169245.6	3	12	5	6	4
## ENSG00000169248.13	7	8	7	3	11
## ENSG00000138750.16	3977	4840	4429	4489	4333
## ENSG00000286074.1	0	5	7	8	0
## ENSG00000138760.11	28703	45238	35325	41935	31538
## ENSG00000189157.14	65	106	65	84	69
## ENSG00000287401.1	25	29	19	28	24
## ENSG00000289515.2	36	30	34	30	41
## ENSG00000118804.9	165	300	199	342	205
## ENSG00000163749.18	17	25	23	27	16
## ENSG00000138771.16	10718	14444	12652	14739	11822
## ENSG00000233860.2	13	18	23	43	9
## ENSG00000186212.4	340	554	421	553	455
## ENSG00000289586.2	191	243	214	223	205
## ENSG00000138758.12	23665	31996	28066	31536	24477
## ENSG00000234036.4	9	11	17	11	19
## ENSG00000118816.11	42855	55081	49448	49280	48748
## ENSG00000289443.1	58	83	73	77	53
## ENSG00000288888.1	4	14	7	6	12
## ENSG00000289496.2	7	6	9	9	3
## ENSG00000138764.15	4812	7684	6175	7225	5133
## ENSG00000138767.14	3105	3624	3668	3264	3010
## ENSG00000169288.18	2160	2510	2374	2333	2394
## ENSG00000249072.1	8	5	4	4	9
## ENSG00000138759.20	24736	38336	28576	36644	27227
## ENSG00000249565.2	59	60	72	70	87
## ENSG00000138772.13	19060	27558	20497	25370	22742
## ENSG00000251442.8	9	10	12	10	9
## ENSG00000138756.19	1740	2561	2140	2695	1643
## ENSG00000163291.14	2792	3793	3315	3197	3032
## ENSG00000249307.8	34	31	38	24	35

## ENSG00000163297.18	4337	5560	5045	5451	4871
## ENSG00000236530.2	1	1	5	5	5
## ENSG00000248719.2	14	34	20	24	18
## ENSG00000152784.16	47	47	50	42	42
## ENSG00000138675.17	9	8	14	15	16
## ENSG00000152785.8	15	15	13	2	22
## ENSG00000138669.10	178	155	228	232	216
## ENSG00000138670.19	805	970	838	937	806
## ENSG00000273156.2	12	24	18	17	26
## ENSG00000289480.1	16	13	6	11	17
## ENSG00000138668.20	33857	39992	41467	35477	43005
## ENSG00000272677.3	19	15	17	14	14
## ENSG00000250325.1	5	3	5	7	5
## ENSG00000152795.18	17317	19521	19737	19615	19398
## ENSG00000145293.17	6480	7858	7644	7631	7825
## ENSG00000249242.8	1166	809	1270	864	973
## ENSG00000248113.2	2	5	7	10	3
## ENSG00000145284.12	5998	3870	6531	4201	6767
## ENSG00000270480.1	6	3	12	8	6
## ENSG00000138674.17	19434	26481	22447	26914	22183
## ENSG00000251022.6	2003	2629	2324	2585	2197
## ENSG00000168152.13	685	896	794	835	651
## ENSG00000189308.11	1347	1739	1682	1658	1367
## ENSG00000138663.9	3462	4024	3710	3771	4014
## ENSG00000145287.11	750	1425	911	1202	850
## ENSG00000173085.15	1131	1330	1307	1263	1316
## ENSG00000173083.16	1000	412	1068	349	717
## ENSG00000163312.11	806	936	858	981	777
## ENSG00000163319.11	1063	1324	1206	1329	1374
## ENSG00000163322.14	2019	2201	2195	1808	1916
## ENSG00000138678.11	229	319	452	522	323
## ENSG00000248749.1	13	7	5	8	9
## ENSG00000163623.10	7822	6168	8831	6496	7949
## ENSG00000163624.6	4955	7497	5704	7389	5545
## ENSG00000163625.17	4321	6119	5647	6341	4346
## ENSG00000180769.10	130	152	152	180	131
## ENSG00000138639.18	890	794	1021	808	854
## ENSG00000109339.24	432	275	508	361	533
## ENSG00000163629.13	13341	11326	16273	13625	11860
## ENSG00000163633.12	10	10	8	13	16
## ENSG00000285458.1	18	15	17	17	11
## ENSG00000251411.1	7	3	10	12	11
## ENSG00000284968.1	69	111	76	77	72
## ENSG00000172493.23	5073	7614	6687	8268	5391
## ENSG00000235043.3	44	68	46	43	88
## ENSG00000145332.14	3242	4287	3896	3862	3433
## ENSG00000248180.1	8	12	7	9	15
## ENSG00000170509.12	5	22	10	12	8
## ENSG00000198189.11	2899	5316	3526	4397	3380
## ENSG00000170502.13	2151	2642	2505	2788	2504
## ENSG00000152583.13	11	9	10	6	13
## ENSG00000183199.6	250	286	268	321	337
## ENSG00000118785.15	4365	15705	5262	14635	9294
## ENSG00000289034.1	7	3	9	4	5

## ENSG00000118762.8	3774	5362	4361	5214	4210
## ENSG00000118777.12	15512	22081	17534	20900	15640
## ENSG00000163644.15	683	730	919	726	549
## ENSG00000138642.16	433	465	481	445	391
## ENSG00000138646.9	157	162	160	126	145
## ENSG00000138641.18	12	22	9	7	11
## ENSG00000207524.1	5	7	16	6	7
## ENSG00000177432.8	150	141	175	121	166
## ENSG00000248019.3	8	21	16	20	3
## ENSG00000138640.15	1382	1727	1697	1854	1479
## ENSG00000180346.5	1260	1878	1568	1881	1575
## ENSG00000270720.1	3	8	5	9	6
## ENSG00000185477.5	1757	1387	2081	1327	1479
## ENSG00000251095.8	394	1572	578	1476	714
## ENSG00000145335.17	268	386	322	462	398
## ENSG00000274238.1	22	48	34	49	41
## ENSG00000277695.1	1	10	5	9	7
## ENSG00000276542.1	4	18	10	17	8
## ENSG00000138722.10	231	130	260	127	188
## ENSG00000184305.16	750	917	952	930	688
## ENSG00000187653.11	267	293	284	384	391
## ENSG00000152208.13	85	77	91	50	122
## ENSG00000172238.6	9	4	24	8	8
## ENSG00000163104.18	8237	11102	9556	10348	8436
## ENSG00000163110.15	11171	16869	14010	15309	12069
## ENSG00000249599.2	10	5	10	2	7
## ENSG00000138696.11	1018	918	1205	789	987
## ENSG00000182168.16	10170	6178	10417	5768	8881
## ENSG00000271474.1	108	68	132	87	81
## ENSG00000163116.10	8	12	6	8	10
## ENSG00000242697.2	15	13	9	18	23
## ENSG00000289532.2	14	15	15	17	24
## ENSG00000138698.15	4135	4495	4748	4492	4407
## ENSG00000168785.8	2124	2006	2495	2054	2419
## ENSG00000260641.2	35	24	36	21	29
## ENSG00000151247.13	7300	9779	8538	8964	8583
## ENSG00000164024.12	5955	7631	6770	7507	6422
## ENSG00000272777.1	57	85	38	68	55
## ENSG00000197894.12	22555	28794	26099	27995	27702
## ENSG00000246090.9	70	109	101	83	79
## ENSG00000172955.17	36	39	47	43	53
## ENSG00000187758.8	14	5	9	7	11
## ENSG00000196616.15	26	22	42	19	40
## ENSG00000248144.6	66	60	55	39	87
## ENSG00000145331.14	800	1148	925	978	838
## ENSG00000138823.14	7973	13361	9994	13622	9229
## ENSG00000248676.1	2	6	4	7	3
## ENSG00000070190.13	5	6	3	7	0
## ENSG00000109270.13	2960	3927	3396	3491	3212
## ENSG00000164031.17	3185	4756	4173	4023	3327
## ENSG00000164032.12	25000	27598	27023	26109	30783
## ENSG00000245322.8	10	15	15	15	15
## ENSG00000145358.6	573	746	652	885	672
## ENSG00000138814.17	7990	8930	8610	7324	8354

## ENSG00000254531.3	212	176	212	220	299
## ENSG00000153064.12	88	67	91	59	66
## ENSG00000138821.14	2178	1099	2226	1024	1946
## ENSG00000248161.5	32	27	36	22	34
## ENSG00000109320.14	2452	3248	2899	3465	2759
## ENSG00000109323.11	12283	15835	13958	14989	13938
## ENSG00000230069.3	4	5	10	5	6
## ENSG00000248971.2	41	40	40	44	31
## ENSG00000109332.20	29067	36255	32735	33324	33157
## ENSG00000286242.1	7	8	8	7	2
## ENSG00000246560.3	78	125	105	127	113
## ENSG00000145354.12	2826	3903	3189	3138	3102
## ENSG00000164037.17	32	22	42	46	33
## ENSG00000164038.16	1175	1369	1316	1327	1305
## ENSG00000164039.15	2766	3603	3188	3858	3090
## ENSG00000138778.14	3847	6115	4886	6503	4303
## ENSG00000248740.8	5	19	6	18	6
## ENSG00000251577.5	11	65	27	48	16
## ENSG00000169836.5	92	106	147	120	127
## ENSG00000168772.12	547	647	758	621	606
## ENSG00000251259.1	4	11	3	4	5
## ENSG00000168769.14	1479	2185	2119	2248	1575
## ENSG00000138777.20	4798	6514	5390	5937	5843
## ENSG00000249264.1	574	533	540	867	999
## ENSG00000236699.9	38	83	77	91	35
## ENSG00000138785.16	1542	1891	1621	1780	1733
## ENSG00000138780.15	2726	3768	3330	3733	3105
## ENSG00000168743.13	395	405	559	588	403
## ENSG00000145348.17	1985	2488	2516	2459	2250
## ENSG00000164022.18	4708	6145	5654	5966	5039
## ENSG00000155011.9	34	33	43	38	36
## ENSG00000213522.4	2	3	8	7	1
## ENSG00000138801.9	17050	23964	19947	24712	19565
## ENSG00000164023.15	982	1664	1166	1381	1014
## ENSG00000245293.5	7	8	8	5	11
## ENSG00000155016.18	1139	1239	1217	1276	1348
## ENSG00000138796.18	5562	6129	6233	5968	6073
## ENSG00000138795.10	171	253	219	276	224
## ENSG00000234492.6	11	9	17	11	15
## ENSG00000109475.17	30652	37115	35701	40532	41535
## ENSG00000198856.13	11106	15022	12815	13432	12952
## ENSG00000286136.2	8	14	22	16	13
## ENSG00000164089.9	3	5	3	8	10
## ENSG00000188517.17	38	44	43	53	25
## ENSG00000249465.1	7	9	4	19	8
## ENSG00000247950.9	62	105	81	89	99
## ENSG00000138802.11	4113	5572	5093	5942	4554
## ENSG00000005059.16	225	259	271	219	279
## ENSG00000248785.1	4	10	5	7	11
## ENSG00000138794.10	3900	5889	4465	5541	4774
## ENSG00000273447.1	20	15	12	14	11
## ENSG00000123739.11	2142	2485	2539	2325	2286
## ENSG00000205403.15	10	19	15	24	6
## ENSG00000109534.17	1912	2320	2197	2043	2289

## ENSG00000180245.7	13	5	19	13	16
## ENSG00000183423.12	5	15	12	8	7
## ENSG00000138798.13	27	53	40	46	29
## ENSG00000170522.10	11612	15802	13718	15558	13215
## ENSG00000288913.2	53	58	54	81	71
## ENSG00000138792.10	104	160	136	143	101
## ENSG00000250511.1	24	40	37	51	37
## ENSG00000250103.3	78	104	97	88	73
## ENSG00000164093.18	3322	5036	4155	5533	5134
## ENSG00000289096.1	10	35	22	25	22
## ENSG00000174749.6	16	37	22	27	29
## ENSG00000260526.1	44	80	79	46	63
## ENSG00000138660.12	1761	2461	2103	2351	1869
## ENSG00000145365.12	737	971	852	969	792
## ENSG00000073331.18	109	169	140	194	128
## ENSG00000138658.16	551	642	613	623	441
## ENSG00000250966.2	58	63	65	70	101
## ENSG00000174720.18	1751	2436	2153	2455	1943
## ENSG00000241741.1	78	99	91	122	122
## ENSG00000145362.21	210	181	264	197	229
## ENSG00000196656.8	28	25	11	36	36
## ENSG00000145349.20	13446	20892	16928	20047	13951
## ENSG00000180801.14	654	1606	811	1682	994
## ENSG00000288781.2	3	4	9	3	14
## ENSG00000174607.11	4243	9949	5192	8819	5209
## ENSG00000138653.10	14	6	15	3	7
## ENSG00000213493.3	5	7	3	8	10
## ENSG00000174599.5	203	243	258	217	183
## ENSG00000293004.1	8	11	6	11	7
## ENSG00000286269.1	9	14	8	15	12
## ENSG00000164100.9	490	669	613	617	601
## ENSG00000269893.10	2213	2723	2519	2840	2685
## ENSG00000164099.3	5323	11533	6602	11345	6696
## ENSG00000273716.2	35	46	38	80	72
## ENSG00000154608.14	39	31	40	39	29
## ENSG00000291201.1	329	400	351	470	360
## ENSG00000248213.3	38	40	45	71	30
## ENSG00000251155.2	7	6	14	10	6
## ENSG00000281731.3	7	14	13	22	10
## ENSG00000145388.15	2272	2748	2719	2858	2306
## ENSG00000150961.15	2808	4086	3984	4822	3333
## ENSG00000172403.11	63	310	157	417	233
## ENSG00000172399.6	6	22	8	28	11
## ENSG00000293254.1	0	5	0	6	0
## ENSG00000145390.12	2788	3498	3297	3460	2426
## ENSG00000164096.13	6031	7564	6949	7400	7693
## ENSG00000250412.1	13	12	17	13	19
## ENSG00000249244.1	51	54	60	58	58
## ENSG00000291202.1	346	367	365	392	362
## ENSG00000291203.1	503	597	547	601	514
## ENSG00000138735.16	7663	7709	9417	8040	7865
## ENSG00000164109.14	5624	7491	6935	6574	6738
## ENSG00000250938.8	14	13	11	18	14
## ENSG00000138738.11	642	913	793	960	736

## ENSG00000251609.2	11	14	18	29	12
## ENSG00000173376.14	311	464	472	574	439
## ENSG00000186867.11	11	3	8	2	10
## ENSG00000164111.15	22542	29808	26111	26108	27482
## ENSG00000123737.13	3298	3800	3823	3833	3901
## ENSG00000145386.11	7505	8134	8453	7663	8288
## ENSG00000138686.10	1292	1667	1523	1789	1395
## ENSG00000138741.11	62	169	84	160	100
## ENSG00000138688.17	3057	4377	3975	4826	2699
## ENSG00000293471.1	26	29	30	26	27
## ENSG00000181004.10	496	546	582	601	525
## ENSG00000138685.18	205	425	352	415	258
## ENSG00000273007.2	17	25	22	33	13
## ENSG00000170917.14	118	128	132	173	164
## ENSG00000145375.9	752	975	1015	973	868
## ENSG00000287951.1	5	1	4	8	4
## ENSG00000164056.11	1388	2708	1946	2695	2288
## ENSG00000249464.8	84	140	111	117	142
## ENSG00000151458.12	3040	4009	3595	3866	2952
## ENSG00000196159.14	120	189	177	239	144
## ENSG00000164066.13	1158	1511	1410	1493	1063
## ENSG00000164070.12	2608	4336	3230	4034	3539
## ENSG00000244021.4	2	6	10	3	8
## ENSG00000142731.11	2024	2394	2360	2342	1963
## ENSG00000164073.11	843	1127	991	1138	960
## ENSG00000164074.17	947	1140	1094	1230	909
## ENSG00000138709.20	2186	2682	2544	2634	2194
## ENSG00000241651.4	12	8	6	14	12
## ENSG00000164040.18	7667	9837	8958	9036	8908
## ENSG00000251432.8	19	35	33	34	25
## ENSG00000077684.16	4019	4089	4751	3915	4206
## ENSG00000151466.12	676	878	779	870	730
## ENSG00000151470.13	448	666	518	600	456
## ENSG00000250241.7	10	12	13	13	8
## ENSG00000138650.9	219	405	395	618	461
## ENSG00000254535.4	360	472	440	477	408
## ENSG00000250144.1	438	429	437	627	691
## ENSG00000248456.1	7	8	16	14	15
## ENSG00000248869.7	21	30	26	36	37
## ENSG00000189184.12	1360	1567	1541	1743	1484
## ENSG00000248307.6	5	15	12	27	9
## ENSG00000250033.5	16	23	17	29	17
## ENSG00000151012.13	2839	5055	3292	4866	2538
## ENSG00000248795.1	5	7	4	7	10
## ENSG00000151014.6	1198	1411	1368	1358	1473
## ENSG00000109381.21	2878	3427	3548	3635	3133
## ENSG00000252503.1	16	11	18	18	13
## ENSG00000179967.11	66	86	76	75	140
## ENSG00000137463.5	25	32	28	30	30
## ENSG00000109390.13	1681	2072	2041	2149	2577
## ENSG00000164134.14	10543	12613	12078	12294	10377
## ENSG00000273247.7	199	189	208	219	199
## ENSG00000172007.7	1131	1796	1425	1588	1299
## ENSG00000145391.14	7963	12062	9544	11284	8735

## ENSG00000272717.1	41	62	41	54	60
## ENSG00000286896.2	5	3	7	4	7
## ENSG00000085871.9	1021	1291	1120	1366	1109
## ENSG00000178458.5	42	39	47	53	73
## ENSG00000196782.13	1686	1732	2046	1872	1764
## ENSG00000153130.18	7969	11457	9754	9290	8944
## ENSG00000196951.13	42	45	42	48	52
## ENSG00000241923.2	13	24	29	23	32
## ENSG00000153132.13	1831	1406	2094	1390	2068
## ENSG00000179387.10	5174	7336	6263	6221	5456
## ENSG00000109424.4	3	5	4	7	4
## ENSG00000109436.8	4673	6113	5730	6178	5084
## ENSG00000249661.1	7	6	3	9	11
## ENSG00000273472.2	117	106	126	121	114
## ENSG00000170153.11	3779	5096	4395	4968	4454
## ENSG00000109445.11	2427	2902	3043	2926	2677
## ENSG00000248747.1	1	0	6	5	7
## ENSG00000248810.4	17	5	5	15	12
## ENSG00000164136.17	34	53	38	55	39
## ENSG00000109452.13	1001	2471	1166	2507	1210
## ENSG00000250326.2	28	25	22	12	18
## ENSG00000170185.11	2689	3326	3049	3137	2790
## ENSG00000109458.10	2797	4375	3424	3773	2911
## ENSG00000228981.3	40	34	41	25	48
## ENSG00000245112.2	261	314	249	280	329
## ENSG00000153147.6	24155	30449	28328	28551	25299
## ENSG00000251600.9	44	54	56	44	54
## ENSG00000197465.14	25	39	24	32	27
## ENSG00000249741.2	25	20	20	17	26
## ENSG00000285713.1	0	2	5	7	5
## ENSG00000248890.4	5	8	9	7	16
## ENSG00000164161.10	17	28	24	29	21
## ENSG00000164162.14	490	680	517	539	539
## ENSG00000249193.1	5	14	5	15	12
## ENSG00000164163.11	12689	15681	14053	14472	12698
## ENSG00000164164.17	5909	7833	7704	7433	5988
## ENSG00000272727.2	5	15	2	6	5
## ENSG00000251333.3	19	15	16	20	29
## ENSG00000278943.1	3	3	7	7	9
## ENSG00000170365.10	1834	2446	2205	2156	2159
## ENSG00000151611.17	419	637	550	608	483
## ENSG00000249245.2	5	5	5	6	4
## ENSG00000151612.18	1388	1402	1751	1640	1430
## ENSG00000164167.12	1465	1900	1777	1777	1868
## ENSG00000120519.16	1094	899	1141	842	919
## ENSG00000151615.3	12	6	20	7	19
## ENSG00000137473.19	68	69	90	63	63
## ENSG00000151617.17	2251	2041	2593	2198	2314
## ENSG00000280219.1	159	200	200	195	198
## ENSG00000164168.8	4673	5989	5238	5792	5145
## ENSG00000164169.13	1003	1104	1119	1214	1057
## ENSG00000071205.12	2410	2715	2572	2854	2653
## ENSG00000151623.15	1158	1654	1234	1732	1263
## ENSG00000287292.1	7	9	6	4	10

## ENSG00000170390.16	200	161	203	180	234
## ENSG00000198589.15	12803	18114	15612	17611	12616
## ENSG00000181541.6	0	26	10	40	23
## ENSG00000145425.10	122130	159704	125286	152849	173891
## ENSG00000109686.20	5874	8081	7076	7376	6316
## ENSG00000270681.1	82	95	77	69	82
## ENSG00000270265.1	8	6	10	6	5
## ENSG00000251611.1	10	5	20	11	8
## ENSG00000164142.16	1222	1745	1712	1969	1387
## ENSG00000059691.12	2110	2554	2211	2489	2535
## ENSG00000251455.1	4	3	8	10	4
## ENSG00000109670.17	2338	2834	2816	2761	2581
## ENSG00000268471.6	127	131	109	142	150
## ENSG00000240669.1	2	7	4	6	5
## ENSG00000170006.13	33	71	44	72	34
## ENSG00000169989.3	65	102	97	85	84
## ENSG00000164144.16	3554	4971	4047	4319	3861
## ENSG00000231841.1	15	7	12	14	9
## ENSG00000287642.3	50	55	46	57	62
## ENSG00000137460.10	445	583	546	688	513
## ENSG00000109654.16	2510	3205	3101	3027	2550
## ENSG00000213406.3	10	23	22	34	29
## ENSG00000121211.8	9	2	7	7	4
## ENSG00000121210.16	2974	3142	3638	3062	3482
## ENSG00000137462.9	148	163	171	140	163
## ENSG00000145428.15	22	7	31	13	35
## ENSG00000145423.5	18	30	24	82	51
## ENSG00000197410.14	82	26	75	59	75
## ENSG00000171566.12	10447	11030	11071	10575	10771
## ENSG00000171564.12	247159	416924	315856	479555	368704
## ENSG00000171560.18	38391	57145	62571	61541	40527
## ENSG00000171557.17	62877	99943	92135	124288	75776
## ENSG00000287770.1	17	22	22	46	8
## ENSG00000121207.12	7686	4847	8362	4209	6206
## ENSG00000151962.8	14	28	41	33	18
## ENSG00000250910.8	3	2	10	7	3
## ENSG00000185149.6	3	6	6	2	4
## ENSG00000164114.19	4699	6520	5462	5636	4837
## ENSG00000164116.17	404	705	541	671	575
## ENSG00000061918.14	348	479	427	588	466
## ENSG00000151790.9	401	396	493	562	457
## ENSG00000256043.5	532	764	699	792	653
## ENSG00000145431.11	2588	4066	3156	3849	3586
## ENSG00000109738.11	201	314	291	272	318
## ENSG00000120251.22	36	27	49	29	26
## ENSG00000164125.16	10115	17814	12612	14898	11531
## ENSG00000248429.5	124	320	160	311	170
## ENSG00000164124.11	1651	2734	2011	2558	1873
## ENSG00000205208.5	3267	3998	3945	3761	3635
## ENSG00000171503.13	716	888	843	896	841
## ENSG00000171497.5	4011	5382	5018	5098	4751
## ENSG00000052795.13	4294	6470	5131	5674	4390
## ENSG00000164123.7	8	10	8	7	6
## ENSG00000248988.1	5	9	6	6	7

## ENSG00000109756.10	4823	6092	5612	6059	4564
## ENSG00000168843.14	762	487	955	438	570
## ENSG00000250027.1	15	29	17	14	19
## ENSG00000145414.9	1797	2057	2084	1909	1920
## ENSG00000164128.7	630	899	800	765	706
## ENSG00000164129.12	20	18	30	7	32
## ENSG00000198498.10	2353	3148	2857	2679	2820
## ENSG00000145416.14	157	110	172	99	154
## ENSG00000273449.1	14	19	11	8	7
## ENSG00000250746.1	12	19	10	32	22
## ENSG00000248546.3	12	10	11	13	29
## ENSG00000248329.6	196	101	233	72	173
## ENSG00000121089.4	14	13	17	20	28
## ENSG00000240674.1	3	5	8	3	6
## ENSG00000170088.14	2294	3015	2586	2846	2451
## ENSG00000109466.14	1600	1837	2048	1964	1722
## ENSG00000052802.13	9905	15245	12190	14608	11620
## ENSG00000109472.14	18970	26759	22867	25635	24689
## ENSG00000251596.1	7	4	10	9	6
## ENSG00000038295.8	695	909	713	704	659
## ENSG00000196104.11	6724	4879	6943	4856	9610
## ENSG00000109511.12	176	91	133	109	202
## ENSG00000137628.18	184	168	235	218	132
## ENSG00000181381.15	288	285	370	269	190
## ENSG00000129116.20	12287	11552	15201	10142	12141
## ENSG00000279384.1	8	9	7	11	10
## ENSG00000145439.12	3608	4652	4261	4327	3833
## ENSG00000154447.15	4763	6584	5903	6722	5673
## ENSG00000137601.18	1101	1326	1239	1252	987
## ENSG00000109572.16	9118	14049	11246	13607	9584
## ENSG00000056050.7	2044	2229	2270	2172	2150
## ENSG00000229204.3	7	6	20	5	20
## ENSG00000198948.12	1801	3005	2395	2742	1671
## ENSG00000109576.14	974	1312	1198	1414	1150
## ENSG00000250266.3	173	123	218	136	145
## ENSG00000174473.17	146	138	146	144	173
## ENSG00000245213.7	56	68	54	76	59
## ENSG00000109586.12	11210	19274	13432	16126	12827
## ENSG00000248774.1	43	40	28	38	38
## ENSG00000164104.12	12297	13787	15490	15209	15489
## ENSG00000288728.2	9	19	18	21	15
## ENSG00000272870.4	39	44	40	43	44
## ENSG00000164105.4	873	1049	1101	1179	1247
## ENSG00000164106.8	1	9	1	17	6
## ENSG00000242882.1	6	3	7	6	9
## ENSG00000286039.3	21	23	17	30	27
## ENSG00000164107.9	7	57	30	126	67
## ENSG00000237125.13	2	23	21	46	24
## ENSG00000234801.3	26	32	37	44	43
## ENSG00000213370.3	11	21	14	27	31
## ENSG00000289210.1	6	12	15	10	19
## ENSG00000164117.14	750	747	855	868	694
## ENSG00000164118.13	824	1028	1088	1017	898
## ENSG00000164120.14	894	1585	961	1333	932

## ENSG00000145451.13	15	14	19	9	13
## ENSG00000150625.17	616	357	662	351	736
## ENSG00000150627.16	126	121	128	91	92
## ENSG00000150628.7	16	8	15	15	12
## ENSG00000164122.9	20	12	12	19	10
## ENSG00000289149.1	29	35	17	21	22
## ENSG00000129128.13	10633	15208	13129	12822	11330
## ENSG00000289520.1	73	125	93	110	101
## ENSG00000248388.5	0	7	2	8	9
## ENSG00000150630.4	53	60	63	81	75
## ENSG00000109674.4	671	637	813	694	672
## ENSG00000038002.9	1135	1519	1349	1562	1316
## ENSG00000250131.2	223	175	295	174	167
## ENSG00000287083.1	8	5	6	4	14
## ENSG00000225356.3	12	17	8	18	18
## ENSG00000177822.10	230	278	218	309	237
## ENSG00000218336.9	7635	11335	9186	11061	8439
## ENSG00000129187.15	5735	7721	6851	7819	7282
## ENSG00000272784.1	12	3	5	4	4
## ENSG00000251359.4	26	16	25	34	17
## ENSG00000151718.16	5497	6202	6890	6409	5259
## ENSG00000250292.1	5	3	10	4	4
## ENSG00000168564.6	1683	2479	2258	2474	2012
## ENSG00000232648.4	44	42	49	63	38
## ENSG00000168556.7	806	889	890	972	879
## ENSG00000272744.1	16	12	12	13	10
## ENSG00000182552.15	1493	1952	1714	1792	1668
## ENSG00000168538.16	3090	3768	3653	3931	3005
## ENSG00000173320.12	1187	1335	1486	1346	1280
## ENSG00000248206.2	5	10	12	11	3
## ENSG00000283355.1	7	5	5	1	8
## ENSG00000227765.4	1	2	6	3	5
## ENSG00000180712.5	5	13	14	23	9
## ENSG00000168310.12	1026	1495	1319	1680	1228
## ENSG00000270426.1	7	4	5	10	8
## ENSG00000271646.1	10	18	20	26	23
## ENSG00000271538.7	3	8	3	5	4
## ENSG00000254233.1	21	42	50	45	18
## ENSG00000164305.20	4024	5523	4819	5499	4465
## ENSG00000164306.11	472	554	497	524	514
## ENSG00000151725.12	2241	2503	2511	2286	2620
## ENSG00000151726.16	1860	1519	2036	1608	1746
## ENSG00000151729.11	2760	3497	2984	3712	3628
## ENSG00000164323.15	2743	4012	3513	3717	2966
## ENSG00000109762.17	1009	1706	1361	1958	1166
## ENSG00000109771.16	80	105	92	87	84
## ENSG00000186352.9	37	35	40	37	58
## ENSG00000109775.11	1874	2314	2036	2275	2188
## ENSG00000205129.9	25	21	26	38	25
## ENSG00000168491.10	21	21	26	14	20
## ENSG00000249679.3	4	5	12	2	6
## ENSG00000154553.17	447	623	586	640	536
## ENSG00000154556.20	4297	2015	4830	2140	2983
## ENSG00000233110.1	10	4	21	3	9

## ENSG00000235902.1	27	15	12	12	26
## ENSG00000164342.14	2	8	9	14	2
## ENSG00000109794.14	169	223	220	300	273
## ENSG00000250327.1	6	5	9	7	7
## ENSG00000279943.1	8	3	6	7	9
## ENSG00000145476.16	320	406	365	412	356
## ENSG00000251165.6	4	5	4	7	6
## ENSG00000168412.7	119	161	171	144	140
## ENSG00000083857.15	27947	38737	31259	37706	31169
## ENSG00000250829.2	3	23	1	14	15
## ENSG00000250658.1	140	181	168	179	152
## ENSG00000213331.4	7	2	6	3	6
## ENSG00000179059.10	4515	4830	5228	5191	3547
## ENSG00000242169.2	3	5	6	9	11
## ENSG00000249378.8	17	18	17	21	14
## ENSG00000180015.12	4	7	4	5	7
## ENSG00000278974.1	201	249	221	248	252
## ENSG00000245685.9	33	31	42	24	32
## ENSG00000109536.13	2742	3347	2936	3188	3042
## ENSG00000214273.4	5	5	5	0	4
## ENSG00000153404.15	2514	1869	2716	2195	2957
## ENSG00000164366.4	1885	2454	2304	2530	2458
## ENSG00000260774.1	21	38	29	49	43
## ENSG00000286001.1	39	80	63	57	59
## ENSG00000073578.18	1161	1362	1254	1402	1522
## ENSG00000248925.3	8	9	12	4	9
## ENSG00000249915.9	120	184	184	224	136
## ENSG00000250848.1	16	22	22	20	15
## ENSG00000063438.20	1	5	3	7	3
## ENSG00000221990.5	154	157	157	158	188
## ENSG00000180104.16	2267	2728	2528	2737	2922
## ENSG00000066230.12	68	89	91	100	83
## ENSG00000225138.8	289	362	320	393	271
## ENSG00000112877.8	595	579	627	622	644
## ENSG00000171368.12	432	382	470	457	522
## ENSG00000271781.1	54	32	37	37	58
## ENSG00000289088.1	14	12	15	9	20
## ENSG00000206077.14	221	293	312	391	254
## ENSG00000288930.1	165	170	201	164	308
## ENSG00000188818.13	176	259	256	320	197
## ENSG00000028310.18	2981	3171	3293	3487	3282
## ENSG00000071539.14	1685	1818	2045	1968	2035
## ENSG00000287600.1	3	3	5	6	4
## ENSG00000215246.6	7	17	16	21	13
## ENSG00000145506.14	324	302	371	300	475
## ENSG00000113504.21	6707	8727	7586	9046	8997
## ENSG00000249201.2	2	4	5	13	5
## ENSG00000174358.16	162	149	184	136	168
## ENSG00000164363.10	8	6	18	3	22
## ENSG00000164362.21	228	196	233	245	262
## ENSG00000049656.14	9139	10721	10015	10400	11800
## ENSG00000286388.1	510	618	583	568	606
## ENSG00000142319.18	11	13	13	14	23
## ENSG00000153395.10	12275	15081	13543	15041	15098

## ENSG00000291055.1	203	262	263	297	221
## ENSG00000185986.14	4	6	9	1	11
## ENSG00000271119.1	20	29	31	38	13
## ENSG00000248126.1	21	21	27	46	13
## ENSG00000291079.1	111	168	95	165	152
## ENSG00000171421.13	1469	1817	1618	1961	2152
## ENSG00000145494.12	3014	3953	3668	3630	4964
## ENSG00000113430.10	9	5	11	13	11
## ENSG00000248994.2	18	13	12	13	9
## ENSG00000170561.13	231	229	273	268	313
## ENSG00000186493.14	35	18	46	18	46
## ENSG00000289075.2	6	2	10	5	3
## ENSG00000170549.4	45	30	69	37	91
## ENSG00000250579.3	300	427	385	555	394
## ENSG00000145536.15	6233	8431	7035	8825	9390
## ENSG00000286753.3	33	36	24	50	36
## ENSG00000164151.12	7897	9967	9330	10045	8036
## ENSG00000133398.4	1161	1400	1342	1505	1382
## ENSG00000215218.4	1013	427	1129	505	908
## ENSG00000250056.8	263	144	306	142	276
## ENSG00000037474.15	6185	7240	7014	7664	6852
## ENSG00000145545.13	2352	2349	2748	2247	2368
## ENSG00000112941.14	1731	2067	2246	2265	1980
## ENSG00000078295.17	1886	1766	2044	1960	2398
## ENSG00000215217.7	170	160	164	153	191
## ENSG00000124275.15	1900	2242	2259	2392	2129
## ENSG00000124279.12	1028	1171	1042	1210	1131
## ENSG00000247516.8	2	4	2	7	6
## ENSG00000112902.12	354	515	467	625	473
## ENSG00000250786.4	100	105	114	87	117
## ENSG00000150756.14	1106	1367	1195	1246	1215
## ENSG00000150753.12	34119	37708	37879	36493	38948
## ENSG00000164237.9	5218	7669	6444	7697	7811
## ENSG00000259802.3	144	198	195	229	231
## ENSG00000145495.17	10076	12995	12531	12944	10535
## ENSG00000145491.12	34	45	38	31	49
## ENSG00000249396.2	5	7	12	11	5
## ENSG00000164236.12	11423	15574	13360	15038	12171
## ENSG00000251548.1	8	8	8	5	7
## ENSG00000112977.16	9244	12986	10747	12612	12796
## ENSG00000250576.1	5	22	8	20	12
## ENSG00000169862.21	10384	10606	12068	10857	11933
## ENSG00000039139.11	421	570	497	546	381
## ENSG00000038382.23	6545	7891	7870	8631	6197
## ENSG00000145569.6	1952	1828	2273	1614	1807
## ENSG00000248791.1	4	6	6	4	3
## ENSG00000250526.1	7	8	13	12	13
## ENSG00000250182.3	1002	1106	1078	1571	1921
## ENSG00000261360.3	7	7	7	7	8
## ENSG00000154124.6	2374	3197	2869	3203	2842
## ENSG00000154122.14	1247	2004	1505	2048	1583
## ENSG00000286970.1	8	8	6	9	7
## ENSG00000249485.1	50	37	51	50	59
## ENSG00000183580.10	930	957	1095	982	1138

## ENSG00000183654.9	40	34	48	39	49
## ENSG00000173545.5	3719	4487	3913	4351	4623
## ENSG00000289112.2	8	9	13	15	9
## ENSG00000154153.15	4869	6216	5381	5153	5011
## ENSG00000246214.3	8	19	19	13	3
## ENSG00000145555.15	11815	13382	13699	13214	12162
## ENSG00000176788.9	12984	14815	15410	15998	16704
## ENSG00000215196.5	3	9	19	10	14
## ENSG00000293060.1	7	1	6	6	6
## ENSG00000249199.2	5	10	8	7	4
## ENSG00000283740.2	3	8	12	6	6
## ENSG00000250386.1	6	7	5	8	10
## ENSG00000269466.4	6	11	6	9	12
## ENSG00000145526.12	59	29	59	37	45
## ENSG00000291102.1	272	320	325	365	326
## ENSG00000154162.15	4148	4539	4442	4409	5172
## ENSG00000213430.6	129	165	142	143	177
## ENSG00000164256.11	8	11	10	23	10
## ENSG00000286134.2	4	5	7	6	9
## ENSG00000040731.10	641	386	679	399	676
## ENSG00000250337.10	2260	4359	3209	4162	2838
## ENSG00000287176.1	32	36	37	41	33
## ENSG00000241668.2	2	3	1	5	6
## ENSG00000113361.13	42514	48958	46834	46254	49138
## ENSG00000113360.17	7473	8370	8581	8397	8010
## ENSG00000082213.18	4047	4821	4541	4701	4204
## ENSG00000279923.1	9	15	14	23	15
## ENSG00000133401.16	222	123	247	124	155
## ENSG00000113384.14	7369	10271	8751	10210	8911
## ENSG00000272086.2	51	67	67	80	81
## ENSG00000150712.11	2650	3602	3176	3671	2950
## ENSG00000056097.16	13270	18107	15923	17529	14789
## ENSG00000113387.12	13576	18014	15401	15608	15778
## ENSG00000113389.16	509	981	678	974	514
## ENSG00000251062.1	0	2	6	5	9
## ENSG00000240376.1	122	190	110	185	220
## ENSG00000251443.3	9	21	17	8	15
## ENSG00000249572.3	128	127	172	168	169
## ENSG00000113407.14	18756	23034	20486	22961	20802
## ENSG00000151388.11	3037	3938	3586	3935	3830
## ENSG00000182631.7	6	0	8	3	3
## ENSG00000164175.15	133	61	142	74	144
## ENSG00000242110.9	37	40	34	37	35
## ENSG00000082196.21	37	41	30	39	34
## ENSG00000290548.1	57	60	65	71	45
## ENSG00000271874.1	4	7	6	6	9
## ENSG00000039560.14	12195	13750	14748	14199	12704
## ENSG00000272323.1	69	75	81	79	71
## ENSG00000205838.15	27	27	27	37	44
## ENSG00000113456.20	2842	3367	3168	3098	3149
## ENSG00000113460.13	3268	4050	3753	4192	3812
## ENSG00000168724.18	4241	5308	5081	5181	4505
## ENSG00000113494.17	173	374	277	431	210
## ENSG00000152582.14	265	379	357	374	341

## ENSG00000168685.15	2	19	4	24	17
## ENSG00000152611.12	3	5	11	12	8
## ENSG00000145626.12	703	1239	861	1197	923
## ENSG00000168671.10	99	158	153	164	139
## ENSG00000164187.7	1146	1722	1557	1663	1196
## ENSG00000145604.17	6879	8604	7851	8855	7964
## ENSG00000152620.13	2893	4128	3708	3985	3359
## ENSG00000245711.2	6	7	3	8	9
## ENSG00000164188.9	2	9	6	10	5
## ENSG00000079215.15	10526	19913	12293	19299	15171
## ENSG00000250155.3	6	13	8	9	7
## ENSG00000272103.2	5	11	7	12	5
## ENSG00000285967.1	737	790	832	788	782
## ENSG00000164190.19	8640	10873	10371	10852	8038
## ENSG00000244073.1	18	18	13	22	21
## ENSG00000197603.16	2507	2905	3195	2812	2203
## ENSG00000286193.3	4	4	4	6	6
## ENSG00000270558.1	19	39	31	27	36
## ENSG00000113569.16	6094	6549	7131	6744	6157
## ENSG00000082068.9	3103	3421	3292	3569	3560
## ENSG00000248587.8	3	13	14	15	15
## ENSG00000168621.15	65	111	90	130	90
## ENSG00000164318.18	233	114	242	99	214
## ENSG00000113594.10	20797	18633	24758	17021	17426
## ENSG00000244968.7	121	110	116	112	102
## ENSG00000145623.13	1321	1529	1812	1495	1450
## ENSG00000164327.14	2058	2802	2636	2853	1839
## ENSG00000153071.15	3902	3603	4586	3647	3674
## ENSG00000113638.14	1961	2971	2387	2408	2387
## ENSG00000171522.6	178	148	183	134	166
## ENSG00000132356.12	5214	8322	6417	7315	5459
## ENSG00000288911.2	13	22	14	17	13
## ENSG00000145592.14	78898	100006	94905	108842	126451
## ENSG00000132357.14	385	444	403	492	332
## ENSG00000112936.21	2276	1308	2301	1379	2415
## ENSG00000039537.16	93	79	98	77	86
## ENSG00000182836.11	1475	569	1584	478	811
## ENSG00000083720.13	2001	1918	2347	2025	2051
## ENSG00000248668.3	5	3	7	2	6
## ENSG00000205765.10	4678	6552	5496	6055	5111
## ENSG00000151876.13	261	287	278	322	263
## ENSG00000112964.14	247	358	285	351	245
## ENSG00000248873.1	11	3	3	8	14
## ENSG00000198865.10	331	252	378	219	270
## ENSG00000250722.6	2094	3203	2886	3333	2015
## ENSG00000287263.3	14	18	20	18	16
## ENSG00000271788.1	8	2	2	6	5
## ENSG00000177738.6	227	240	267	263	281
## ENSG00000177721.5	11	37	27	39	39
## ENSG00000215068.10	26	40	31	39	29
## ENSG00000172262.12	2349	2926	2838	2931	2496
## ENSG00000177453.7	9	14	10	8	10
## ENSG00000112972.15	20308	25864	24978	24758	20428
## ENSG00000151882.11	24	32	30	29	18

## ENSG00000151881.15	397	627	470	563	465
## ENSG00000249492.3	17	31	26	36	19
## ENSG00000172244.9	345	388	391	380	336
## ENSG00000249855.1	471	509	480	743	899
## ENSG00000172239.14	9892	12953	11634	12517	11568
## ENSG00000248092.8	619	830	813	681	678
## ENSG00000279557.1	4	6	5	5	5
## ENSG00000112992.18	5120	5954	6325	5889	5581
## ENSG00000224993.3	28	23	13	34	38
## ENSG00000070193.5	263	317	301	283	239
## ENSG00000251141.6	58	95	97	73	94
## ENSG00000112996.11	4219	5436	4957	4850	4672
## ENSG00000272335.1	233	411	339	414	341
## ENSG00000164588.8	192	215	227	242	217
## ENSG00000170571.12	3564	5288	4131	4653	4112
## ENSG00000151883.20	1299	1834	1617	1821	1430
## ENSG00000289056.2	114	126	112	141	135
## ENSG00000250360.1	14	5	16	4	18
## ENSG00000251573.2	7	0	5	6	10
## ENSG00000259663.2	59	28	57	37	73
## ENSG00000016082.15	1254	731	1315	720	1294
## ENSG00000152684.11	2072	2585	2424	2835	2688
## ENSG00000213949.10	580	1634	971	1794	990
## ENSG00000164171.11	289	823	477	686	341
## ENSG00000164172.20	1199	1565	1401	1417	1457
## ENSG00000247796.3	132	150	145	145	138
## ENSG00000134363.12	69	44	66	75	84
## ENSG00000164258.12	2062	2789	2532	2767	2676
## ENSG00000272416.1	22	28	17	16	22
## ENSG00000185305.12	1546	2388	1919	2060	1776
## ENSG00000178996.14	5064	5616	5583	4649	5594
## ENSG00000164287.13	3	7	5	11	12
## ENSG00000164294.14	6466	9403	7323	9003	7871
## ENSG00000152669.9	4	17	11	16	11
## ENSG00000067248.11	3623	4672	4119	4518	3750
## ENSG00000039123.16	9845	11816	11203	10987	10288
## ENSG00000067113.17	525	752	621	717	621
## ENSG00000177058.12	2841	3667	3115	3488	3173
## ENSG00000164509.16	16	23	23	25	20
## ENSG00000134352.21	6518	11355	9099	11249	7419
## ENSG00000264281.3	108	161	149	211	188
## ENSG00000164512.18	15	33	21	33	10
## ENSG00000248727.6	178	184	261	208	196
## ENSG00000226221.1	162	192	180	214	257
## ENSG00000225940.7	10	9	7	16	10
## ENSG00000095015.6	8441	9405	10595	9723	8558
## ENSG00000155542.12	850	803	921	694	847
## ENSG00000155545.20	4392	5922	5450	5160	4169
## ENSG00000271828.1	24	31	49	31	29
## ENSG00000289152.2	2	6	0	8	4
## ENSG00000062194.16	9319	10903	10859	11145	9460
## ENSG00000287709.3	9	12	12	10	1
## ENSG00000145632.15	5952	8857	7107	9005	8532
## ENSG00000152932.8	1013	1039	1305	887	1071

## ENSG00000113448.21	690	1226	906	1245	820
## ENSG00000214244.4	15	15	11	16	18
## ENSG00000152931.9	43	51	44	60	36
## ENSG00000035499.13	3357	3887	3747	3795	3623
## ENSG00000251303.1	4	15	10	13	17
## ENSG00000287434.1	1	7	5	4	4
## ENSG00000164181.14	2102	3715	2473	3255	2540
## ENSG00000049167.16	1688	2341	2033	2008	1929
## ENSG00000164182.12	1483	2099	1601	2009	2053
## ENSG00000276945.1	13	11	8	5	4
## ENSG00000188725.8	4800	6869	5778	5637	5336
## ENSG00000251279.3	22	19	24	24	30
## ENSG00000249279.6	1	11	5	4	9
## ENSG00000130449.6	1978	2778	2442	3041	2172
## ENSG00000250461.1	11	20	4	12	13
## ENSG00000213891.3	6	8	10	15	15
## ENSG00000068796.19	8271	10496	9931	10074	8790
## ENSG00000086189.11	1985	2261	2069	2176	2340
## ENSG00000086200.17	4634	5416	5147	4773	4907
## ENSG00000268942.2	5	10	13	11	10
## ENSG00000217416.4	4	15	9	12	7
## ENSG00000178394.5	20	14	22	25	16
## ENSG00000164197.12	266	328	260	302	236
## ENSG00000186479.5	22	25	27	32	26
## ENSG00000145642.12	13	18	26	26	39
## ENSG00000153006.16	3107	4712	3819	4092	3538
## ENSG00000153015.17	4139	5317	4942	4865	4775
## ENSG00000049192.15	42	83	77	74	41
## ENSG00000250081.1	3	7	15	9	2
## ENSG00000123219.13	1029	1351	1211	1304	1115
## ENSG00000113593.12	2076	2385	2345	2435	2245
## ENSG00000113595.15	1112	1514	1356	1519	1244
## ENSG00000113597.18	1440	2048	1721	1985	1647
## ENSG00000253251.3	139	205	162	197	133
## ENSG00000197860.10	2161	2668	2671	2541	2234
## ENSG00000123213.23	9751	11255	11537	11074	10011
## ENSG00000112851.16	4920	6945	6532	6965	5068
## ENSG00000269961.1	5	11	11	5	6
## ENSG00000285999.1	2	9	5	13	5
## ENSG00000153914.16	4953	6702	6504	6734	5354
## ENSG00000069020.19	1326	2013	1882	2202	1544
## ENSG00000229666.2	16	20	18	17	16
## ENSG00000250669.1	4	6	5	8	2
## ENSG00000249721.1	4	10	3	6	3
## ENSG00000250421.5	10	10	7	9	3
## ENSG00000213864.3	6	12	13	18	16
## ENSG00000145675.16	7769	10550	9077	10375	7899
## ENSG00000145740.20	3846	5118	4605	4836	4156
## ENSG00000248664.3	5	10	7	8	4
## ENSG00000134057.15	13856	16054	15578	16787	16672
## ENSG00000280187.2	206	215	229	203	232
## ENSG00000153044.10	2639	2962	3113	2540	3092
## ENSG00000134056.12	1877	2639	2029	2661	2401
## ENSG00000134058.12	2510	3246	2737	2988	2597

## ENSG00000183323.13	1202	2808	1355	2649	2382
## ENSG00000213830.3	6	15	10	20	16
## ENSG00000215006.4	2	5	3	7	5
## ENSG00000085231.14	1695	2246	1926	2195	1952
## ENSG00000273841.6	6023	6897	6602	6697	6665
## ENSG00000152942.19	2346	2772	2787	2724	2307
## ENSG00000152939.17	3120	4612	3766	4552	3978
## ENSG00000197822.12	5759	8535	7107	8906	6522
## ENSG00000183474.16	1269	1706	1542	1749	1463
## ENSG00000290556.1	12	7	10	15	7
## ENSG00000250138.4	12	14	10	10	5
## ENSG00000290560.1	13	9	4	18	9
## ENSG00000198237.8	26	28	26	28	14
## ENSG00000205572.11	92	120	88	116	173
## ENSG00000205571.15	10	15	21	21	15
## ENSG00000179978.11	44	37	40	51	19
## ENSG00000254701.3	26	25	23	24	12
## ENSG00000253816.3	27	25	31	35	19
## ENSG00000291220.1	101	127	99	117	98
## ENSG00000269983.1	36	30	35	39	26
## ENSG00000172062.17	1137	1457	1299	1447	1297
## ENSG00000249437.8	34	34	41	34	38
## ENSG00000289810.1	123	166	160	187	154
## ENSG00000145736.15	881	1202	1015	1188	1021
## ENSG00000230847.4	29	43	47	57	43
## ENSG00000251634.2	21	21	34	27	22
## ENSG00000215630.6	3	9	17	11	10
## ENSG00000250387.3	28	21	37	16	25
## ENSG00000145734.20	3123	4358	4010	4481	2770
## ENSG00000131844.17	9290	11335	10804	11721	10608
## ENSG00000164326.5	43	64	41	69	90
## ENSG00000285804.2	6	5	6	8	6
## ENSG00000131711.15	10717	12597	13159	11829	10721
## ENSG00000113048.19	10737	12057	11876	11882	11563
## ENSG00000049883.15	1102	1197	1107	1241	1099
## ENSG00000226544.4	5	5	5	5	6
## ENSG00000083312.19	21409	29686	25966	27924	22496
## ENSG00000271926.1	13	22	9	20	14
## ENSG00000272081.1	21	35	28	31	42
## ENSG00000157107.14	1595	2337	1975	2271	1599
## ENSG00000157111.13	46	66	64	53	57
## ENSG00000251493.5	10	13	10	12	31
## ENSG00000272525.2	48	37	59	60	63
## ENSG00000145741.17	48814	58658	54420	55070	63064
## ENSG00000255883.1	8	15	11	7	12
## ENSG00000164331.10	701	1254	956	1221	958
## ENSG00000164338.10	2139	2495	2275	2428	2051
## ENSG00000214944.10	1591	1417	1674	1322	1361
## ENSG00000171617.16	18889	25334	24535	27874	21151
## ENSG00000049860.14	7346	10714	8793	10643	8957
## ENSG00000164347.18	4018	4591	4359	4627	4119
## ENSG00000164346.10	9545	11718	11346	11025	11319
## ENSG00000198780.13	2305	3950	2734	3726	2389
## ENSG00000250071.1	5	10	3	10	16

## ENSG00000271714.1	17	45	24	46	25
## ENSG00000289639.1	4	10	6	9	11
## ENSG00000249856.1	9	18	6	10	7
## ENSG00000289535.2	175	396	213	435	289
## ENSG00000182383.8	13	22	16	24	23
## ENSG00000176928.7	4497	7370	5351	6333	4703
## ENSG00000145700.10	33	31	38	22	19
## ENSG00000113161.17	33636	45408	37551	43305	36099
## ENSG00000113163.19	6528	10386	8020	9495	6747
## ENSG00000242198.1	4	12	6	7	8
## ENSG00000122008.16	1597	2572	1999	2392	1648
## ENSG00000189045.15	60	94	55	126	55
## ENSG00000152359.15	741	859	811	934	831
## ENSG00000122012.14	7	2	8	8	2
## ENSG00000254893.6	40	51	25	32	43
## ENSG00000249014.2	8	8	2	6	14
## ENSG00000145703.17	5677	7943	6285	6961	6467
## ENSG00000164220.7	32	38	37	35	34
## ENSG00000181104.7	8692	11436	10586	11771	11443
## ENSG00000289924.1	3	11	4	9	5
## ENSG00000164251.5	7548	13409	9245	13303	9361
## ENSG00000264391.2	6	8	6	9	2
## ENSG00000171643.14	13	32	19	40	13
## ENSG00000145708.11	51	16	39	21	26
## ENSG00000164252.13	1660	2043	1966	1881	1874
## ENSG00000132846.6	3721	5272	4664	5572	4834
## ENSG00000238961.1	14	11	5	12	8
## ENSG00000250802.7	113	105	134	108	113
## ENSG00000113231.14	80	86	91	83	82
## ENSG00000251400.1	52	60	32	70	72
## ENSG00000164253.14	3870	4656	4477	4578	4218
## ENSG00000244363.3	33	30	35	54	55
## ENSG00000171540.8	7	5	16	5	10
## ENSG00000171530.15	9509	12599	11147	13209	12880
## ENSG00000213763.4	47	56	64	68	85
## ENSG00000132842.15	8750	11173	10230	10639	9575
## ENSG00000245556.5	176	230	181	242	231
## ENSG00000085365.18	6564	9125	7910	7083	7270
## ENSG00000145685.14	2919	4080	3622	3877	3305
## ENSG00000113273.17	1620	2136	2056	2413	2011
## ENSG00000132837.15	26	42	55	47	24
## ENSG00000145692.15	130	88	166	98	128
## ENSG00000152409.9	2306	2800	2979	3013	2272
## ENSG00000213757.3	96	99	85	132	169
## ENSG00000152413.15	3120	4090	3790	3865	3353
## ENSG00000213755.3	1	5	6	5	5
## ENSG00000243160.1	3	3	4	6	8
## ENSG00000164329.15	2869	4084	3492	4249	3071
## ENSG00000164309.15	53	99	78	107	48
## ENSG00000177034.18	1347	2023	1896	2162	1395
## ENSG00000113296.14	250	316	263	293	281
## ENSG00000251050.1	13	13	16	9	11
## ENSG00000249825.6	7	11	14	8	10
## ENSG00000164300.17	18687	22036	22633	21988	20414

## ENSG00000251675.1	5	7	13	3	13
## ENSG00000288741.1	31	50	52	59	35
## ENSG00000248569.1	7	6	14	10	11
## ENSG00000220157.4	25	15	17	26	26
## ENSG00000289317.2	2	5	1	7	3
## ENSG00000039319.17	3516	5019	4472	5015	3586
## ENSG00000249042.6	31	52	33	72	51
## ENSG00000152380.10	66	74	54	70	49
## ENSG00000189127.8	8	6	13	7	6
## ENSG00000228716.7	4420	4826	4670	4328	5085
## ENSG00000113318.11	2075	2632	2320	2383	2185
## ENSG00000113319.13	153	221	224	223	166
## ENSG00000247572.9	350	390	429	459	379
## ENSG00000131730.16	138	69	143	97	145
## ENSG00000248794.1	14	19	21	21	27
## ENSG00000131732.12	2107	2596	2479	2732	2414
## ENSG00000172497.9	17	15	27	23	32
## ENSG00000145687.17	1273	1701	1418	1533	1613
## ENSG00000152348.16	782	1040	975	1046	995
## ENSG00000251495.1	58	48	52	63	84
## ENSG00000186468.13	61141	75032	69772	77585	85449
## ENSG00000293465.1	83	125	101	99	102
## ENSG00000281327.4	12	3	5	3	2
## ENSG00000271862.1	30	40	18	36	27
## ENSG00000174695.10	16508	23855	20048	20451	18344
## ENSG00000152422.16	846	1944	970	1615	1124
## ENSG00000038427.16	28915	56996	34875	53383	40032
## ENSG00000249835.2	6	2	5	8	4
## ENSG00000145681.11	36	65	54	75	60
## ENSG00000164176.13	5754	5309	6410	4573	5966
## ENSG00000250320.7	110	113	159	103	127
## ENSG00000243859.3	16	27	27	46	60
## ENSG00000127184.13	14402	19172	18089	20860	20390
## ENSG00000242477.1	19	21	23	27	43
## ENSG00000145715.15	3015	3867	3751	3739	3082
## ENSG00000134480.17	1582	1823	1721	1901	1699
## ENSG00000287862.1	10	32	18	34	18
## ENSG00000164180.14	622	899	852	941	616
## ENSG00000247828.10	294	455	419	493	361
## ENSG00000245526.13	9	9	13	21	13
## ENSG00000081189.17	994	1188	987	1029	950
## ENSG00000248309.9	32	29	30	36	26
## ENSG00000253321.1	4	6	12	2	5
## ENSG00000153140.9	3280	4914	4073	4814	3930
## ENSG00000255647.3	3	7	5	4	3
## ENSG00000176055.10	567	821	648	593	633
## ENSG00000113356.13	811	1015	971	859	840
## ENSG00000176018.13	2301	3611	3025	3104	2477
## ENSG00000164199.18	1561	2179	1883	2248	1541
## ENSG00000113369.9	2552	2976	3113	2808	2383
## ENSG00000281357.5	110	126	84	92	87
## ENSG00000250049.7	7	8	6	4	5
## ENSG00000237187.9	327	191	340	193	347
## ENSG00000175745.15	3922	2039	4056	2033	4018

## ENSG00000113391.19	1761	1841	1925	1675	1662
## ENSG00000249353.2	708	839	824	785	961
## ENSG00000251023.1	9	13	8	6	4
## ENSG00000185261.16	207	299	240	219	267
## ENSG00000270133.1	8	6	4	1	3
## ENSG00000133302.13	1430	1564	1699	1496	1383
## ENSG00000175471.20	44	68	50	68	30
## ENSG00000153347.10	53	49	71	50	47
## ENSG00000198677.13	6136	7234	7249	7400	5808
## ENSG00000164291.17	793	1034	992	1146	970
## ENSG00000175449.15	54	83	59	36	53
## ENSG00000145757.16	3	6	1	4	7
## ENSG00000250240.6	23	30	18	28	18
## ENSG00000164292.13	10782	11136	13691	11562	11677
## ENSG00000173221.14	892	1151	1097	1245	1219
## ENSG00000251000.1	1	5	4	5	6
## ENSG00000118985.16	5036	5814	5977	5128	5776
## ENSG00000251314.2	1	8	12	11	12
## ENSG00000175426.11	1515	1559	1741	1362	1649
## ENSG00000153113.24	15112	17432	17056	16101	16804
## ENSG00000164307.13	4085	5822	4816	5778	4249
## ENSG00000248734.2	9	15	8	24	10
## ENSG00000247121.8	45	42	48	38	45
## ENSG00000164308.17	13	13	20	14	9
## ENSG00000113441.16	2490	3742	3046	3674	2500
## ENSG00000145721.12	4	7	5	23	10
## ENSG00000058729.11	2736	3500	3149	3105	2863
## ENSG00000286828.1	6	5	5	6	5
## ENSG00000238000.1	192	198	228	228	203
## ENSG00000176183.8	6	17	13	29	22
## ENSG00000250221.1	15	22	22	28	42
## ENSG00000251102.1	11	8	6	11	8
## ENSG00000174136.13	518	571	604	578	559
## ENSG00000246763.7	28	42	44	38	27
## ENSG00000153922.12	5771	7443	7125	7332	5689
## ENSG00000248489.4	56	67	84	56	71
## ENSG00000271207.1	4	4	6	13	10
## ENSG00000247877.8	3	5	13	2	4
## ENSG00000174132.9	545	684	645	662	684
## ENSG00000113532.13	495	356	554	348	633
## ENSG00000289912.1	2	2	5	6	6
## ENSG00000173930.9	274	356	364	343	230
## ENSG00000250682.6	13	17	12	16	10
## ENSG00000145730.21	16685	17822	19408	17429	16780
## ENSG00000175749.11	7	2	4	5	5
## ENSG00000145723.17	495	623	584	623	522
## ENSG00000145725.21	4426	5507	5148	5450	3932
## ENSG00000181751.10	2008	2797	2319	2333	2117
## ENSG00000112874.10	1572	2497	2082	2200	1862
## ENSG00000184349.14	1860	2788	2174	2551	2842
## ENSG00000145743.18	1961	2971	2480	2495	2280
## ENSG00000244245.1	14	13	22	19	26
## ENSG00000272523.2	16	29	24	22	20
## ENSG00000151422.14	2904	3733	3272	3724	2540

## ENSG00000176857.5	5	4	6	9	11
## ENSG00000198961.10	14091	18533	16926	16952	13156
## ENSG00000271849.1	12	15	11	17	24
## ENSG00000112893.10	12524	17644	14933	15933	11638
## ENSG00000186952.15	63	112	83	77	91
## ENSG00000164209.17	2936	4413	3643	3662	3161
## ENSG00000248966.1	9	13	11	17	12
## ENSG00000134987.13	3587	4779	4419	4284	3511
## ENSG00000214784.4	91	162	123	177	200
## ENSG00000152495.11	86	96	101	89	80
## ENSG00000164211.13	2425	3295	3204	3218	2629
## ENSG00000246859.3	409	409	480	450	345
## ENSG00000134986.14	10583	10285	10985	9720	10836
## ENSG00000129595.14	635	488	719	511	519
## ENSG00000224032.9	990	1195	1182	1298	1172
## ENSG00000278921.2	75	42	62	48	51
## ENSG00000134982.18	3724	4382	4390	4246	3574
## ENSG00000153037.15	1494	1891	1732	1939	1705
## ENSG00000129625.13	6178	8167	7099	7931	7353
## ENSG00000249947.2	5	6	1	11	9
## ENSG00000172795.17	7224	9886	9454	9547	7947
## ENSG00000171444.19	4474	8606	5841	8948	5712
## ENSG00000232633.4	17	43	28	31	26
## ENSG00000047188.16	3922	5338	4816	5326	3911
## ENSG00000080709.17	126	163	127	209	182
## ENSG00000152503.10	242	201	286	200	231
## ENSG00000164219.10	1873	2600	2241	2348	2015
## ENSG00000271797.1	7	4	3	7	8
## ENSG00000164221.13	873	1056	1056	1101	1022
## ENSG00000249026.2	10	4	13	11	16
## ENSG00000250444.1	6	2	5	7	10
## ENSG00000145780.8	1982	2719	2540	2636	2191
## ENSG00000251201.8	26	56	35	43	36
## ENSG00000249249.2	11	14	10	13	16
## ENSG00000134970.14	7041	11190	9069	8739	8080
## ENSG00000129596.5	530	403	566	395	609
## ENSG00000145782.13	3650	5002	4311	4725	4187
## ENSG00000177879.17	3092	4106	3425	3837	3493
## ENSG00000172901.21	8	16	16	9	11
## ENSG00000185641.6	230	255	254	320	302
## ENSG00000271918.2	22	27	23	22	30
## ENSG00000145781.9	1802	2413	1899	2207	2012
## ENSG00000232916.1	2	5	2	5	6
## ENSG00000250015.1	4	7	11	10	10
## ENSG00000092421.17	6702	11769	8906	12610	8679
## ENSG00000248445.5	38	59	50	64	32
## ENSG00000249167.2	17	16	20	29	22
## ENSG00000248663.7	29	36	45	46	52
## ENSG00000169570.10	548	826	735	783	546
## ENSG00000197744.5	236	289	263	246	342
## ENSG00000283498.1	544	696	656	432	663
## ENSG00000172869.15	1774	2451	2324	2489	1650
## ENSG00000145779.8	1450	2168	1727	1864	1769
## ENSG00000133835.18	13862	15340	16194	15466	14259

## ENSG00000184838.15	26	26	20	26	18
## ENSG00000151304.6	1549	2040	1788	1870	1568
## ENSG00000113083.15	293	700	835	1018	703
## ENSG00000164185.7	68	31	46	41	46
## ENSG00000064692.20	904	577	888	604	908
## ENSG00000205302.7	9118	12198	11021	11443	9547
## ENSG00000064652.11	1162	1295	1320	1248	1235
## ENSG00000263432.2	10	12	16	16	13
## ENSG00000168938.6	1133	1171	1541	1148	1331
## ENSG00000061455.11	7	6	12	20	13
## ENSG00000168944.17	1949	2561	2377	2352	2034
## ENSG00000250539.1	105	188	111	102	149
## ENSG00000288766.1	86	97	113	115	136
## ENSG00000151292.19	2686	3536	3250	3271	2899
## ENSG00000288890.1	9	18	20	16	15
## ENSG00000235275.3	15	22	20	21	26
## ENSG00000168916.16	5971	7627	7301	8018	6327
## ENSG00000155324.10	409	523	435	509	433
## ENSG00000279118.1	9	19	9	17	20
## ENSG00000164904.18	23215	30649	27531	30614	28440
## ENSG00000164902.14	3370	4547	4144	4296	3854
## ENSG00000230929.5	5	13	16	12	22
## ENSG00000113368.12	15737	17604	18963	18062	18750
## ENSG00000173926.6	75	124	111	133	137
## ENSG00000164241.14	230	267	251	302	245
## ENSG00000286615.3	6	6	6	14	5
## ENSG00000145794.17	184	250	233	218	295
## ENSG00000250859.1	32	41	44	35	46
## ENSG00000164244.21	8119	11038	10232	10612	8850
## ENSG00000230561.7	9	12	8	9	15
## ENSG00000245937.10	563	732	629	612	619
## ENSG00000064651.14	7710	17905	9844	13868	8881
## ENSG00000138829.14	9533	15484	13379	16891	10958
## ENSG00000113396.13	82	74	93	81	80
## ENSG00000066583.12	1894	2497	2375	2336	2235
## ENSG00000249421.2	81	134	103	141	139
## ENSG00000145808.10	5082	7222	6284	6863	5354
## ENSG00000251680.6	7	12	11	4	6
## ENSG00000186367.7	12	18	13	11	17
## ENSG00000198108.4	228	535	291	539	322
## ENSG00000248610.1	4	12	4	7	1
## ENSG00000169567.13	14959	17654	17941	17941	19292
## ENSG00000186687.16	1010	1248	1240	1069	1017
## ENSG00000158985.14	4188	5617	5121	5287	4417
## ENSG00000158987.22	510	665	664	685	569
## ENSG00000217128.13	1491	1884	1707	1932	1383
## ENSG00000164398.15	5	8	6	6	8
## ENSG00000072682.20	3424	5139	4387	5402	4278
## ENSG00000131435.13	432	450	491	406	665
## ENSG00000197208.6	14	19	14	12	16
## ENSG00000233006.8	53	60	51	66	65
## ENSG00000197375.14	1145	1641	1328	1627	1407
## ENSG00000197536.11	23	33	26	40	32
## ENSG00000125347.15	752	953	1043	1295	914

## ENSG00000113522.14	491	577	517	666	460
## ENSG00000230612.3	4	6	6	7	2
## ENSG00000131437.16	1895	2402	2386	2348	1579
## ENSG00000205089.8	43	37	45	42	55
## ENSG00000164402.14	4769	5369	5501	5877	5811
## ENSG00000198944.6	47	57	65	35	54
## ENSG00000164403.15	312	245	332	268	298
## ENSG00000164404.9	34	25	26	28	13
## ENSG00000164405.11	4095	4696	4394	5129	5743
## ENSG00000164406.8	14	25	30	24	19
## ENSG00000072364.13	13568	19859	17784	19165	13501
## ENSG00000155329.12	1683	2182	1846	1908	1821
## ENSG00000286408.1	20	25	8	25	33
## ENSG00000170606.16	32113	37501	36624	34895	35211
## ENSG00000279691.1	9	4	6	8	4
## ENSG00000053108.18	256	115	259	135	326
## ENSG00000113583.8	5857	9094	7077	7568	7140
## ENSG00000213585.11	28117	37406	33386	33771	34471
## ENSG00000271737.2	23	33	19	37	39
## ENSG00000081059.20	1001	1052	1105	980	1219
## ENSG00000113558.19	1079	1416	1262	1215	1412
## ENSG00000113575.12	2174	2296	2355	2245	2318
## ENSG00000273345.6	5	10	7	11	4
## ENSG00000270177.1	25	27	34	29	24
## ENSG00000006837.12	53	70	65	59	49
## ENSG00000119048.9	3231	5023	3817	4180	3929
## ENSG00000279469.1	4	10	13	6	4
## ENSG00000248559.1	43	44	48	48	55
## ENSG00000237190.4	2524	3083	2912	2927	3447
## ENSG00000251169.3	38	37	29	25	34
## ENSG00000043143.22	2136	2508	2557	2639	2477
## ENSG00000152700.14	6244	5917	7752	5591	4884
## ENSG00000113615.13	5026	7880	6956	7723	5269
## ENSG00000164615.6	2685	3273	3396	3084	3199
## ENSG00000145833.16	8074	10195	9619	9933	8765
## ENSG00000181904.9	7033	9530	9016	8127	7409
## ENSG00000113621.15	2470	3019	2871	2973	2935
## ENSG00000132570.15	468	511	544	607	577
## ENSG00000279799.1	2	7	8	6	10
## ENSG00000244921.2	9	12	13	14	22
## ENSG00000249119.1	25	37	31	38	33
## ENSG00000248923.1	43	24	18	36	37
## ENSG00000247627.2	51	82	75	99	123
## ENSG00000152705.8	23	19	18	18	24
## ENSG00000069011.16	1767	2072	1808	2035	2109
## ENSG00000224186.8	66	95	69	89	71
## ENSG00000277619.1	10	4	2	7	6
## ENSG00000249082.2	18	14	26	6	23
## ENSG00000113648.17	20973	24937	22868	24118	26669
## ENSG00000270021.1	7	17	12	6	13
## ENSG00000145832.16	6	4	3	14	7
## ENSG00000181965.6	9	13	4	7	5
## ENSG00000145824.13	68	242	261	403	172
## ENSG00000120708.17	517	2200	1358	2584	1550

## ENSG00000113658.18	8628	15517	10738	14325	9929
## ENSG00000271824.2	256	413	255	439	435
## ENSG00000069018.19	77	62	67	74	66
## ENSG00000248211.1	7	18	8	8	8
## ENSG00000279240.1	14	21	18	25	27
## ENSG00000152377.15	9665	5470	10026	4654	7350
## ENSG00000146021.15	668	657	683	647	645
## ENSG00000177733.7	30092	35328	34827	34113	38323
## ENSG00000293261.1	8	6	4	1	5
## ENSG00000250159.7	39	61	48	41	59
## ENSG00000031003.11	1357	1650	1540	1828	1428
## ENSG00000112981.5	238	258	292	250	270
## ENSG00000112983.18	4023	4756	4908	5327	4525
## ENSG00000112984.12	5071	5426	6139	6045	6065
## ENSG00000094880.11	5757	6766	6654	6773	6250
## ENSG00000146013.11	505	590	557	565	735
## ENSG00000158402.21	1634	1927	1730	1861	1947
## ENSG00000120709.11	7207	9134	8251	8852	8970
## ENSG00000120733.15	14412	17466	17367	17488	15423
## ENSG00000132563.17	1566	992	1612	970	2153
## ENSG00000120738.8	1221	1116	1445	1160	1476
## ENSG00000241458.1	12	2	10	7	10
## ENSG00000120705.13	16582	19867	18524	18853	17904
## ENSG00000289155.2	10	22	31	14	17
## ENSG00000113013.16	33740	43219	39706	43326	39605
## ENSG00000044115.21	42129	53888	49569	53572	50835
## ENSG00000253404.1	8	3	4	6	3
## ENSG00000120725.13	2209	2755	2390	2741	2868
## ENSG00000280987.4	74	97	88	99	53
## ENSG00000281398.4	906	932	1073	1008	872
## ENSG00000015479.20	111	152	147	137	139
## ENSG00000120727.13	6704	8530	7588	8054	8251
## ENSG00000170482.17	10	15	23	33	19
## ENSG00000228672.4	213	183	249	215	242
## ENSG00000170469.11	353	317	370	380	398
## ENSG00000170464.10	1973	2157	2182	2322	2133
## ENSG00000184584.14	9	46	23	48	37
## ENSG00000249215.1	1	6	0	8	2
## ENSG00000131508.17	8747	10311	9985	10172	10919
## ENSG00000171604.12	4083	4823	4494	4856	5507
## ENSG00000146005.4	5	4	11	6	10
## ENSG00000158458.21	45	13	62	9	69
## ENSG00000245146.7	16	20	23	19	12
## ENSG00000185129.8	1467	1982	1873	1705	1520
## ENSG00000182700.5	72	95	96	98	81
## ENSG00000120306.11	4613	4138	5476	4519	6247
## ENSG00000113068.10	6275	7161	6678	7228	7953
## ENSG00000113070.8	683	491	730	627	755
## ENSG00000249637.4	59	63	78	78	76
## ENSG00000131503.21	86	94	69	86	67
## ENSG00000254996.5	112	205	161	146	137
## ENSG00000213523.12	1907	2468	2154	2473	3027
## ENSG00000243056.2	52	52	48	69	72
## ENSG00000113108.20	184	192	249	239	196

## ENSG00000176087.16	7738	8405	8506	8654	9727
## ENSG00000170458.15	113	94	118	119	197
## ENSG00000131495.9	2227	2758	2462	2909	3098
## ENSG00000113119.13	1684	1763	1872	1881	2013
## ENSG00000113141.19	7060	8417	8371	8475	8227
## ENSG00000120314.19	2217	2739	2611	2800	2694
## ENSG00000170445.16	6554	7450	7049	7406	7605
## ENSG00000112855.17	3203	4041	3658	3897	3516
## ENSG00000146007.11	9087	9707	10469	9689	10749
## ENSG00000279726.2	11	12	21	31	8
## ENSG00000204969.7	269	261	269	281	247
## ENSG00000255408.4	93	152	116	160	102
## ENSG00000204967.13	1339	1630	1467	1566	1390
## ENSG00000204965.9	27	54	43	47	45
## ENSG00000081842.18	9	14	20	29	12
## ENSG00000204963.6	105	160	140	151	144
## ENSG00000204962.6	18	36	46	42	36
## ENSG00000204961.7	16	52	36	34	28
## ENSG00000250120.8	1176	1812	1417	1636	1284
## ENSG00000249158.7	263	385	376	380	289
## ENSG00000251664.5	846	1037	896	1034	916
## ENSG00000239389.8	4	9	3	17	15
## ENSG00000248383.5	122	120	126	136	93
## ENSG00000243232.6	44	73	72	75	77
## ENSG00000112852.7	773	1074	841	894	974
## ENSG00000272154.5	16	22	18	23	16
## ENSG00000113205.5	94	161	118	176	141
## ENSG00000272108.1	50	80	36	60	37
## ENSG00000081818.4	36	66	53	65	54
## ENSG00000113209.9	2441	3991	2750	3772	3229
## ENSG00000113211.6	11	30	18	20	19
## ENSG00000113212.7	6	0	6	6	1
## ENSG00000120322.5	4	11	10	12	4
## ENSG00000272674.4	255	470	260	508	391
## ENSG00000279068.1	5	12	3	12	3
## ENSG00000177839.7	123	174	102	172	155
## ENSG00000279375.1	14	25	9	16	20
## ENSG00000120324.9	147	187	204	175	192
## ENSG00000197479.7	43	62	46	68	52
## ENSG00000120328.6	59	132	66	106	87
## ENSG00000187372.11	228	262	271	293	180
## ENSG00000120327.7	197	188	223	220	175
## ENSG00000113248.6	286	357	315	309	343
## ENSG00000178913.9	9946	12574	10933	12405	11384
## ENSG00000288095.2	3	10	3	7	3
## ENSG00000272070.3	15	23	22	13	12
## ENSG00000204956.6	16	23	19	24	10
## ENSG00000081853.15	7	7	1	5	3
## ENSG00000254221.3	16	31	19	18	12
## ENSG00000262576.3	3	5	7	2	10
## ENSG00000253910.3	13	14	26	24	19
## ENSG00000253731.3	1	6	2	11	6
## ENSG00000253953.3	656	901	772	916	887
## ENSG00000253767.3	7	30	17	31	20

## ENSG00000276547.2	45	38	52	28	16
## ENSG00000261934.3	3	7	4	5	3
## ENSG00000253305.3	1395	1554	1485	1403	1636
## ENSG00000253846.3	42	1103	30	986	802
## ENSG00000254122.3	1067	635	1271	558	536
## ENSG00000253873.6	21	35	18	50	22
## ENSG00000253159.3	4	9	2	5	5
## ENSG00000276545.1	6	11	9	7	7
## ENSG00000240184.7	566	1150	674	1099	1058
## ENSG00000242419.6	88	58	88	65	90
## ENSG00000240764.4	2	6	4	5	6
## ENSG00000131504.18	15802	20954	17735	19632	16690
## ENSG00000171720.10	6531	7471	7496	7610	8310
## ENSG00000164620.9	124	146	146	177	156
## ENSG00000197948.11	375	407	449	450	455
## ENSG00000120318.16	398	405	474	413	383
## ENSG00000156453.14	551	583	593	559	564
## ENSG00000226040.3	7	7	7	17	10
## ENSG00000081791.9	3547	3941	3700	3933	3952
## ENSG00000113555.6	37	35	57	51	53
## ENSG00000013561.18	3139	3932	3359	3884	3400
## ENSG00000113552.16	11476	14807	12762	14315	14389
## ENSG00000131507.11	14623	17849	17193	16123	17449
## ENSG00000280047.1	37	59	47	48	40
## ENSG00000187678.10	881	1522	1132	1523	1347
## ENSG00000231185.9	26	37	21	37	27
## ENSG00000113578.18	4	11	7	2	5
## ENSG00000236714.3	1	3	4	5	6
## ENSG00000145819.18	2242	2806	2670	3020	2051
## ENSG00000113580.15	1017	715	1268	825	884
## ENSG00000231579.3	6	4	6	5	2
## ENSG00000145817.17	4163	5778	4959	5445	4867
## ENSG00000183775.11	965	436	1005	413	711
## ENSG00000186314.12	905	970	1081	904	954
## ENSG00000249363.1	4	10	6	8	4
## ENSG00000156463.18	2431	2495	2696	2724	2648
## ENSG00000173261.9	14	23	21	26	19
## ENSG00000133706.20	17290	20852	20138	20107	17598
## ENSG00000091009.8	2471	3328	2980	2721	2855
## ENSG00000091010.6	3	6	12	4	8
## ENSG00000113649.14	6596	8325	8275	8409	7087
## ENSG00000156475.19	520	395	569	439	804
## ENSG00000248568.1	20	19	18	31	31
## ENSG00000169302.16	70	95	126	109	72
## ENSG00000113657.13	17039	13491	18596	13992	17383
## ENSG00000280780.4	5	5	0	4	4
## ENSG00000176049.16	575	325	661	344	573
## ENSG00000287630.1	46	42	47	50	45
## ENSG00000164266.11	16840	8035	17852	9611	17073
## ENSG00000250346.1	7	12	5	12	8
## ENSG00000133710.17	155	150	220	218	153
## ENSG00000247199.6	42	62	50	76	47
## ENSG00000145868.17	3876	5072	4404	5200	4003
## ENSG00000164270.19	4	11	6	26	15

## ENSG00000169252.6	19	49	44	42	47
## ENSG00000169247.14	180	204	209	206	244
## ENSG00000173210.21	87	144	155	151	86
## ENSG00000157510.14	269	368	365	306	378
## ENSG00000164284.15	2399	3337	3021	3346	2503
## ENSG00000145882.11	1399	1456	1565	1373	1676
## ENSG00000113712.19	7602	9599	8903	9983	8377
## ENSG00000230551.4	282	473	379	495	306
## ENSG00000183111.12	73	92	86	85	82
## ENSG00000155846.17	597	837	789	960	603
## ENSG00000132915.12	6	16	10	5	7
## ENSG00000251583.1	5	2	1	8	8
## ENSG00000155850.9	1857	2833	2324	2668	2001
## ENSG00000164296.7	291	373	309	318	295
## ENSG00000113716.13	5515	6890	6311	7529	6335
## ENSG00000182578.14	266	245	272	349	305
## ENSG00000214485.6	190	196	186	215	255
## ENSG00000113721.14	1250	1684	1386	2058	1300
## ENSG00000113722.18	174	106	198	142	110
## ENSG00000011083.9	33	32	31	51	39
## ENSG00000070808.17	183	294	246	337	136
## ENSG00000183876.9	686	1132	1064	1210	840
## ENSG00000070814.22	15015	16274	16280	15733	17851
## ENSG00000019582.17	2229	2223	2788	2359	3188
## ENSG00000286331.1	69	91	94	89	112
## ENSG00000164587.13	82971	94329	87981	95073	113439
## ENSG00000070614.15	14717	17637	16646	17308	16913
## ENSG00000171992.13	689	728	866	736	821
## ENSG00000164591.14	156	119	182	118	183
## ENSG00000086589.12	3911	4905	4447	4953	4586
## ENSG00000132912.13	5401	6678	6257	6969	6051
## ENSG00000256235.3	653	1045	855	1192	1039
## ENSG00000145908.14	1607	2026	1961	2086	1775
## ENSG00000211445.13	1965	1736	2057	1566	2199
## ENSG00000145901.16	8421	10358	9078	9622	10806
## ENSG00000289970.1	6	4	3	5	2
## ENSG00000197043.15	10182	10181	11579	10364	12497
## ENSG00000254298.1	8	8	7	12	11
## ENSG00000198624.13	496	604	617	551	636
## ENSG00000196743.9	4356	5952	5124	5739	5557
## ENSG00000123643.14	2099	2779	2434	3036	2380
## ENSG00000086570.13	22	34	34	29	24
## ENSG00000271795.1	11	12	11	13	10
## ENSG00000113140.11	14112	16955	17254	20080	21454
## ENSG00000177556.12	2100	2353	2525	2479	3011
## ENSG00000253921.1	7	11	4	12	10
## ENSG00000293196.1	6	8	9	10	11
## ENSG00000275765.6	37	42	41	38	43
## ENSG00000145907.16	25947	32411	30661	28904	27778
## ENSG00000254226.6	15	9	7	6	11
## ENSG00000132911.5	8	4	6	7	5
## ENSG00000155511.19	29	26	35	32	25
## ENSG00000055147.19	1410	1728	1532	1614	1491
## ENSG00000037749.13	4926	6688	5770	6505	5232

## ENSG00000164574.16	5070	5142	5363	4748	5735
## ENSG00000245275.9	48	30	46	39	49
## ENSG00000164576.12	1940	2566	2310	2609	2307
## ENSG00000113196.3	7	82	32	100	64
## ENSG00000155506.19	20088	24752	24776	26124	23235
## ENSG00000170271.11	851	830	1023	1004	895
## ENSG00000155508.14	5008	6839	6122	7120	5828
## ENSG00000082516.9	5442	6042	6264	5865	5829
## ENSG00000082515.18	2762	3235	2820	3314	3289
## ENSG00000226650.6	9	15	9	23	12
## ENSG00000170624.14	865	430	1119	498	686
## ENSG00000145850.9	30	64	54	93	42
## ENSG00000113249.14	3261	6698	5012	7718	3776
## ENSG00000135077.10	9	12	24	18	15
## ENSG00000155868.8	893	1296	996	1331	1003
## ENSG00000055163.21	8934	12546	10500	12351	13267
## ENSG00000248544.2	4	4	4	6	5
## ENSG00000135074.16	5668	7126	6817	7661	6164
## ENSG00000172548.15	12	25	8	18	18
## ENSG00000039600.11	18	20	16	32	26
## ENSG00000113272.14	1869	2317	2181	2224	2067
## ENSG00000155858.6	953	1163	1151	1234	962
## ENSG00000113282.14	8788	12775	10969	12799	9832
## ENSG00000164330.18	93	36	103	29	63
## ENSG00000145860.13	9619	13481	11824	13855	12186
## ENSG00000288764.2	18	27	21	25	27
## ENSG00000164332.8	3233	4299	3880	4087	3519
## ENSG00000249738.10	7	7	7	9	7
## ENSG00000248626.1	29	41	49	54	58
## ENSG00000113312.12	4400	5711	4869	5449	5799
## ENSG00000170234.13	2116	2724	2506	2670	2304
## ENSG00000170231.16	43	67	55	49	55
## ENSG00000247699.2	2	5	8	2	5
## ENSG00000135083.17	2483	2844	2848	3040	3236
## ENSG00000254373.1	4	6	4	9	8
## ENSG00000145861.9	1	3	5	11	8
## ENSG00000221886.4	295	272	336	353	305
## ENSG00000164609.10	3558	4695	4395	4497	3939
## ENSG00000164611.13	4516	4789	5034	4993	5762
## ENSG00000118322.14	30	105	36	106	30
## ENSG00000145864.14	176	80	165	86	133
## ENSG00000022355.18	6	3	14	5	10
## ENSG00000113327.17	7	3	6	0	10
## ENSG00000254186.3	13	21	10	15	10
## ENSG00000113328.20	39936	60390	45253	47954	47585
## ENSG00000170584.11	1956	2682	2367	2347	2466
## ENSG00000072571.20	5340	7173	5950	6342	6154
## ENSG00000038274.18	7928	11749	9353	10887	10129
## ENSG00000241956.11	49	25	41	26	40
## ENSG00000229119.3	201	211	270	291	332
## ENSG00000145934.17	730	711	831	712	742
## ENSG00000253357.1	6	6	12	2	9
## ENSG00000253660.1	3	15	6	21	10
## ENSG00000253978.2	21	27	21	28	37

## ENSG00000113645.15	8703	12473	9527	11991	10493
## ENSG00000113643.9	10503	12296	11543	12395	11632
## ENSG00000188573.8	72	31	71	42	99
## ENSG00000120137.7	10319	14986	12825	12933	10321
## ENSG00000233913.7	1307	1430	1606	1654	2281
## ENSG00000184347.16	166	274	254	376	279
## ENSG00000040275.17	2653	3422	3335	3617	2953
## ENSG00000134516.20	16	11	6	6	6
## ENSG00000204767.4	44	83	51	72	28
## ENSG00000182132.15	725	332	757	334	880
## ENSG00000253591.2	6	1	1	5	5
## ENSG00000253348.1	1	1	6	0	5
## ENSG00000094755.17	9	338	98	579	89
## ENSG00000204764.14	772	1106	934	1157	812
## ENSG00000253966.1	22	17	23	30	21
## ENSG00000253213.1	3	0	7	6	2
## ENSG00000164438.6	6	9	6	1	6
## ENSG00000181163.14	159835	185106	179867	170018	192065
## ENSG00000156427.8	472	649	491	606	832
## ENSG00000072803.18	7579	9904	9277	9735	8377
## ENSG00000072786.13	1573	1751	1853	1902	1880
## ENSG00000168246.6	7717	9762	9274	8476	8532
## ENSG00000174705.13	11285	12628	12591	12545	11484
## ENSG00000214357.9	389	240	480	302	407
## ENSG00000253683.1	40	44	56	60	96
## ENSG00000253736.5	7	9	8	8	4
## ENSG00000120129.6	2848	2968	3265	3304	3660
## ENSG00000113719.17	18207	21106	21164	21683	23730
## ENSG00000204758.8	8	10	13	19	15
## ENSG00000037241.7	2050	2446	2372	2764	2828
## ENSG00000253785.1	15	19	16	28	19
## ENSG00000113732.9	8499	11039	9526	10732	10895
## ENSG00000164463.12	556	788	691	781	496
## ENSG00000113734.18	539	647	560	768	727
## ENSG00000183072.10	25	139	30	133	179
## ENSG00000113739.11	6273	8832	7408	10123	8707
## ENSG00000253955.2	6	6	4	4	9
## ENSG00000145919.11	5365	6187	6070	6476	6452
## ENSG00000253686.2	28	13	37	16	32
## ENSG00000113742.14	1488	1885	1944	1848	1478
## ENSG00000170091.11	79	48	74	34	59
## ENSG00000249306.7	2	4	3	6	9
## ENSG00000213376.4	4	8	3	7	15
## ENSG00000249031.1	5	2	2	5	6
## ENSG00000120149.9	137	270	201	338	229
## ENSG00000184845.4	5	31	14	19	9
## ENSG00000164466.13	7489	9834	9245	9543	9083
## ENSG00000113749.8	72	52	81	75	88
## ENSG00000145920.15	330	112	393	108	262
## ENSG00000051596.10	1259	1365	1361	1440	1558
## ENSG00000289731.2	0	1	2	7	5
## ENSG00000170085.18	2324	2594	2863	2664	2861
## ENSG00000251667.1	10	6	13	12	11
## ENSG00000122203.15	13799	16463	15175	16624	17181

## ENSG00000250909.1	5	11	2	13	6
## ENSG00000251414.1	3	12	14	15	7
## ENSG00000175414.7	3031	3229	3373	3563	2839
## ENSG00000048162.22	2159	2657	2354	2674	2618
## ENSG00000146066.3	3451	3893	3349	3626	4606
## ENSG00000175416.16	1401	1387	1408	1449	1896
## ENSG00000113194.13	6885	9449	8052	9760	8419
## ENSG00000146083.12	6030	6833	6898	7029	7700
## ENSG00000074276.11	142	95	141	76	101
## ENSG00000169258.7	1367	1280	1522	1185	1668
## ENSG00000048140.18	4705	5655	4936	5387	6244
## ENSG00000248859.2	7	3	5	4	10
## ENSG00000113763.12	246	229	261	236	335
## ENSG00000087206.17	2249	2861	2696	3045	2618
## ENSG00000113761.12	2138	2235	2360	2492	2471
## ENSG00000251666.1	6	9	3	6	6
## ENSG00000160867.15	9965	12186	10290	12062	13764
## ENSG00000165671.22	12870	15465	15036	15618	12984
## ENSG00000169228.14	130	152	146	165	153
## ENSG00000213347.11	280	300	276	292	390
## ENSG00000169230.10	6476	7320	6317	6278	8222
## ENSG00000169223.16	11453	12835	11134	12768	14805
## ENSG00000169220.18	561	665	627	754	825
## ENSG00000131187.11	295	292	326	330	500
## ENSG00000198055.11	4228	4529	4435	4354	5491
## ENSG00000246334.3	15	27	30	30	27
## ENSG00000131188.12	314	268	333	289	430
## ENSG00000113758.14	32128	31017	31805	30777	41025
## ENSG00000279821.1	33	33	49	50	47
## ENSG00000196923.14	5655	6180	6393	5718	8133
## ENSG00000146094.16	194	238	198	221	180
## ENSG00000183258.12	5252	5734	5772	5674	6791
## ENSG00000146067.17	1929	2195	1956	2459	2331
## ENSG00000272459.1	8	9	7	11	6
## ENSG00000184840.12	14281	19397	16347	20797	19962
## ENSG00000027847.14	1500	1871	1561	1876	2118
## ENSG00000247679.3	150	229	215	193	156
## ENSG00000291283.1	7	6	4	7	4
## ENSG00000246596.8	16	14	22	25	15
## ENSG00000170074.21	8	8	10	4	5
## ENSG00000291113.1	611	832	876	833	924
## ENSG00000249684.6	9	6	13	18	9
## ENSG00000249129.1	41	31	39	38	29
## ENSG00000145911.6	543	586	611	626	706
## ENSG00000145916.19	1449	1638	1632	1840	1884
## ENSG00000145912.10	4665	5103	4738	5342	6297
## ENSG00000289390.1	7	2	6	3	8
## ENSG00000197451.12	23018	26338	26036	25624	27930
## ENSG00000175309.15	690	900	840	869	787
## ENSG00000050767.18	38	6	45	12	35
## ENSG00000113240.14	517	825	739	809	549
## ENSG00000169131.13	984	1231	1160	1244	1133
## ENSG00000291019.1	124	44	178	49	26
## ENSG00000274813.1	9	1	23	3	1

## ENSG00000178338.11	381	516	471	562	399
## ENSG00000198939.8	288	335	329	321	315
## ENSG00000178187.8	415	407	462	407	323
## ENSG00000254035.1	61	89	86	57	53
## ENSG00000113262.16	16	34	31	29	22
## ENSG00000234284.7	274	381	359	329	296
## ENSG00000177932.7	1799	2251	2169	2105	1768
## ENSG00000087116.17	246	145	292	172	272
## ENSG00000253520.1	65	42	65	36	49
## ENSG00000290043.1	141	124	160	144	156
## ENSG00000176783.15	3290	3843	3758	4157	4118
## ENSG00000244945.1	2	11	14	14	14
## ENSG00000169045.19	22800	29081	29177	30485	26102
## ENSG00000204661.9	8	11	9	19	27
## ENSG00000228259.3	6	4	7	3	4
## ENSG00000250999.2	20	35	17	37	27
## ENSG00000127022.16	114556	157870	132764	142809	135568
## ENSG00000161021.13	5768	6737	6725	7155	6374
## ENSG00000213316.10	13	19	25	20	44
## ENSG00000161013.17	11334	14138	12192	13897	14800
## ENSG00000161011.20	6990	9776	7367	9107	9008
## ENSG00000161010.16	1013	1117	1094	1277	1079
## ENSG00000222448.1	4	5	7	5	3
## ENSG00000245317.2	20	23	32	24	14
## ENSG00000197226.13	8221	9021	8914	9444	9649
## ENSG00000113269.14	3875	4350	4528	4386	4754
## ENSG00000285865.1	7	6	8	1	3
## ENSG00000146090.16	11	16	19	19	24
## ENSG00000050748.18	3732	4909	4369	4883	4124
## ENSG00000248367.2	24	23	26	20	25
## ENSG00000131459.13	64	95	88	95	94
## ENSG00000113300.13	9252	12990	11454	12132	9866
## ENSG00000037280.16	229	126	250	129	304
## ENSG00000131446.17	6787	9243	7463	9365	9087
## ENSG00000280161.1	5	6	9	7	8
## ENSG00000278970.4	137	147	128	147	144
## ENSG00000245060.8	148	149	163	188	150
## ENSG00000196670.14	3087	3896	3487	3556	2967
## ENSG00000250222.4	11	14	7	8	13
## ENSG00000146054.18	6	2	8	7	8
## ENSG00000146063.20	1862	2129	2195	2249	2399
## ENSG00000204628.12	135195	152344	151039	157303	186606
## ENSG00000233937.9	83	83	72	116	81
## ENSG00000183718.6	184	238	237	256	208
## ENSG00000248275.3	302	279	319	327	373
## ENSG00000248103.1	110	116	152	157	113
## ENSG00000274525.1	29	24	23	40	21
## ENSG00000238035.8	9	17	12	28	23
## ENSG00000287265.1	5	6	5	10	7
## ENSG00000112679.15	2506	2997	2894	2849	2928
## ENSG00000137265.16	8	5	7	5	4
## ENSG00000112685.14	4148	4743	4733	4614	4350
## ENSG00000164379.7	504	772	551	725	580
## ENSG00000137273.6	14	16	18	24	17

## ENSG00000054598.9	106	168	140	136	161
## ENSG00000112699.11	2472	3743	2802	3430	2856
## ENSG00000250903.11	226	281	250	285	230
## ENSG00000286512.1	6	6	4	5	1
## ENSG00000164385.11	7	9	9	10	8
## ENSG00000145949.12	33	58	50	61	42
## ENSG00000124535.16	2720	3336	3232	3665	3473
## ENSG00000021355.13	5702	8408	6631	8367	7100
## ENSG00000230438.9	219	162	289	231	219
## ENSG00000170542.6	832	1061	1247	1340	1205
## ENSG00000124570.21	17752	22638	19206	21503	21727
## ENSG00000244041.7	61	111	76	97	104
## ENSG00000124588.22	2186	2488	2570	2519	3189
## ENSG00000224846.3	34	43	58	55	78
## ENSG00000271361.1	1	8	5	10	6
## ENSG00000288612.1	15	10	31	25	27
## ENSG00000229282.2	3	10	4	11	2
## ENSG00000137275.16	1639	2126	1981	2118	1990
## ENSG00000272277.1	17	11	17	13	22
## ENSG00000137274.13	1329	1656	1518	1808	1797
## ENSG00000137267.7	3153	3464	3590	3372	3970
## ENSG00000216819.1	7	4	3	4	7
## ENSG00000230269.7	5	3	9	13	3
## ENSG00000137285.11	18525	17326	21107	17411	24609
## ENSG00000288840.1	22	13	27	13	21
## ENSG00000180822.12	431	478	474	564	510
## ENSG00000137266.15	1367	1675	1609	1891	1650
## ENSG00000272320.1	3	9	9	7	1
## ENSG00000228793.3	18	25	22	24	22
## ENSG00000168994.14	581	742	809	974	987
## ENSG00000270504.1	164	218	230	242	246
## ENSG00000219992.2	6	2	6	8	3
## ENSG00000145945.7	23	48	50	64	62
## ENSG00000260604.3	48	85	89	95	58
## ENSG00000216657.1	9	20	13	18	14
## ENSG00000288904.2	22	25	23	20	20
## ENSG00000112739.17	6122	8135	7379	8099	6233
## ENSG00000198721.13	4178	4468	4782	4266	4877
## ENSG00000234817.2	5	8	11	5	5
## ENSG00000153046.18	3407	4288	3940	3933	3847
## ENSG00000124787.14	546	568	515	443	488
## ENSG00000272142.4	641	776	793	800	718
## ENSG00000271978.2	146	224	202	175	202
## ENSG00000220685.3	29	21	11	18	11
## ENSG00000288548.1	7	7	9	8	15
## ENSG00000219607.4	17	15	10	15	10
## ENSG00000214113.11	3092	3596	3189	3559	3819
## ENSG00000145982.13	939	1034	1086	1114	1195
## ENSG00000233064.2	10	12	7	15	5
## ENSG00000124785.9	4	3	3	11	16
## ENSG00000124491.16	16	20	15	43	19
## ENSG00000261211.2	52	65	81	66	60
## ENSG00000124782.21	4553	5736	5452	5734	4983
## ENSG00000124783.14	14829	20012	18148	17555	17320

## ENSG00000164304.16	6	13	7	10	2
## ENSG00000220472.1	120	136	125	167	203
## ENSG00000124784.9	2216	2674	2499	2765	2558
## ENSG00000233503.1	8	5	9	15	9
## ENSG00000234115.2	2	13	6	9	5
## ENSG00000261189.3	261	327	308	323	385
## ENSG00000096696.16	109919	135930	125763	132644	128032
## ENSG00000168566.13	2095	2585	2590	2556	2265
## ENSG00000153162.9	948	877	876	907	1122
## ENSG00000239264.9	143	164	148	186	178
## ENSG00000188428.20	3028	3941	3459	3685	3377
## ENSG00000124802.12	2277	2924	2629	2473	2403
## ENSG00000232234.4	12	40	22	43	23
## ENSG00000285216.1	11	30	6	24	11
## ENSG00000124786.13	1947	2720	2278	2550	2411
## ENSG00000285219.4	221	337	285	347	289
## ENSG00000137203.15	40	119	61	146	89
## ENSG00000285278.1	6	8	5	4	8
## ENSG00000111846.20	4765	7507	5497	7413	5903
## ENSG00000285763.1	35	40	55	59	42
## ENSG00000137434.12	89	110	96	90	104
## ENSG00000111845.5	2415	2918	2624	2995	2697
## ENSG00000111843.14	5862	7315	6494	7307	7771
## ENSG00000272097.2	6	10	13	8	9
## ENSG00000137210.14	3247	4155	3509	4037	4378
## ENSG00000111837.12	70	57	84	53	68
## ENSG00000153157.14	116	142	128	131	106
## ENSG00000197977.4	404	437	502	473	539
## ENSG00000224531.6	1334	1595	1748	1515	1425
## ENSG00000111859.17	4594	4741	5195	4873	5195
## ENSG00000242753.2	2	1	6	11	6
## ENSG00000205269.6	1693	2350	2165	1933	1844
## ENSG00000111863.13	10	18	17	14	15
## ENSG00000229896.2	5	4	7	1	3
## ENSG00000095951.17	2314	2862	2829	3046	2389
## ENSG00000078401.7	2127	3556	2606	3385	2666
## ENSG00000212802.4	493	721	579	834	944
## ENSG00000112137.19	125	104	179	120	88
## ENSG00000215022.8	9	20	16	15	12
## ENSG00000145979.18	1561	2017	1795	1896	1991
## ENSG00000145990.11	389	436	454	348	402
## ENSG00000124523.17	1018	1425	1351	1415	1296
## ENSG00000225921.7	3580	4177	4053	4057	4294
## ENSG00000010017.13	5407	7141	6531	6898	5945
## ENSG00000050393.12	2513	3327	3105	3503	3007
## ENSG00000272209.1	2	10	6	1	2
## ENSG00000180537.13	227	125	273	132	192
## ENSG00000112149.10	603	661	699	595	648
## ENSG00000285639.1	6	5	4	1	6
## ENSG00000286281.1	14	6	6	14	8
## ENSG00000234261.6	10	9	5	7	6
## ENSG00000271888.1	20	16	11	26	15
## ENSG00000008083.14	8929	10735	10738	10793	9243
## ENSG00000047579.20	894	1031	995	932	1035

## ENSG00000007944.15	789	831	1008	1002	792
## ENSG00000137198.10	106	78	153	72	91
## ENSG00000124788.19	2193	3475	2767	3650	2459
## ENSG00000229931.3	99	241	161	237	134
## ENSG00000272341.1	136	321	211	327	214
## ENSG00000230873.9	159	400	247	430	221
## ENSG00000287559.1	1	1	6	7	3
## ENSG00000112183.15	82	92	165	87	74
## ENSG00000112186.13	928	999	1070	1065	1071
## ENSG00000184612.8	35	33	25	28	49
## ENSG00000286885.3	9	9	3	15	6
## ENSG00000137414.7	3383	4782	4056	4397	3657
## ENSG00000124789.12	9928	12000	11314	11974	10066
## ENSG00000272269.2	15	22	14	14	14
## ENSG00000137177.20	3140	3590	3760	3856	3261
## ENSG00000187566.6	22	22	32	28	42
## ENSG00000137364.5	1499	1857	1719	1756	1560
## ENSG00000165097.16	1773	2163	2188	2017	1920
## ENSG00000124795.17	14946	18027	18549	15832	15489
## ENSG00000137393.10	86	126	119	146	129
## ENSG00000228412.9	21	15	23	25	26
## ENSG00000214012.4	20	24	16	30	32
## ENSG00000172201.12	1164	1099	1371	913	1219
## ENSG00000172197.11	1141	1239	1185	1255	1148
## ENSG00000289981.1	24	17	14	35	28
## ENSG00000112242.16	3876	4879	4926	4860	4431
## ENSG00000145996.11	1945	2039	2207	1970	1927
## ENSG00000124766.7	32596	45095	40383	43316	38147
## ENSG00000272168.10	598	761	721	896	573
## ENSG00000260455.2	4	7	3	10	12
## ENSG00000289368.2	5	7	3	7	4
## ENSG00000146038.12	6743	9301	8105	8841	7213
## ENSG00000146049.2	11	5	12	21	21
## ENSG00000124532.15	5725	7798	6564	7024	6768
## ENSG00000112293.15	332	404	420	430	395
## ENSG00000112294.14	1173	1590	1488	1561	1411
## ENSG00000137261.15	132	195	176	233	135
## ENSG00000111802.14	6222	9018	7454	9525	7449
## ENSG00000112304.11	2911	4071	3236	4080	3540
## ENSG00000272345.1	11	22	29	17	29
## ENSG00000112308.14	7933	11264	10072	11220	9032
## ENSG00000272402.1	11	12	10	6	4
## ENSG00000112312.10	3469	4791	3867	4612	4498
## ENSG00000111913.20	3155	6623	4177	6138	3785
## ENSG00000214975.4	30	52	35	50	74
## ENSG00000293489.1	5	7	3	6	1
## ENSG00000219682.4	14	9	5	13	12
## ENSG00000079691.19	3974	5361	4634	5197	3970
## ENSG00000286933.1	12	6	5	6	1
## ENSG00000079689.15	1204	958	1290	897	1166
## ENSG00000290217.1	11	10	10	7	11
## ENSG00000146039.11	54	81	86	176	61
## ENSG00000124564.17	10	11	11	23	6
## ENSG00000112337.11	6	3	2	1	5

## ENSG00000112343.11	1579	2372	2011	2477	1616
## ENSG00000272462.4	63	99	107	72	82
## ENSG00000275714.2	3	3	8	8	6
## ENSG00000287080.2	14	5	5	5	9
## ENSG00000187837.4	201	199	201	227	223
## ENSG00000180596.9	2	13	5	5	3
## ENSG00000010704.19	103	106	91	127	95
## ENSG00000197061.5	9	5	6	7	12
## ENSG00000180573.10	256	319	261	285	271
## ENSG00000168298.7	5	4	6	2	6
## ENSG00000158373.9	217	183	259	177	199
## ENSG00000274290.3	28	20	21	21	30
## ENSG00000282988.2	13	4	12	11	11
## ENSG00000277224.3	7	7	4	4	2
## ENSG00000276966.3	13	11	11	11	15
## ENSG00000273802.3	36	37	19	31	35
## ENSG00000277075.3	20	28	21	9	28
## ENSG00000274750.3	99	119	75	112	84
## ENSG00000277775.2	6	8	12	13	20
## ENSG00000275713.3	280	284	334	227	437
## ENSG00000273983.2	12	16	22	20	8
## ENSG00000278588.2	5	3	4	4	5
## ENSG00000158406.6	39	47	57	57	46
## ENSG00000186470.14	936	1299	1213	1419	958
## ENSG00000124508.17	849	1121	1033	1260	1083
## ENSG00000026950.17	535	724	754	884	608
## ENSG00000291104.1	58	88	80	104	66
## ENSG00000124549.17	12	22	14	24	18
## ENSG00000111801.16	33	43	82	44	47
## ENSG00000112763.17	1649	2039	1932	2480	1926
## ENSG00000124557.14	284	292	352	266	285
## ENSG00000228223.3	636	763	828	682	667
## ENSG00000182952.5	6227	8129	7174	7640	6943
## ENSG00000146109.5	2916	3584	3037	3857	4074
## ENSG00000181315.11	1733	2368	1992	2204	1835
## ENSG00000285571.1	3	6	10	4	5
## ENSG00000290474.1	53	43	38	43	46
## ENSG00000224843.8	22	46	53	48	46
## ENSG00000287966.3	27	44	51	46	65
## ENSG00000272468.1	19	30	26	34	24
## ENSG00000124635.9	124	123	167	139	139
## ENSG00000196787.4	67	75	80	49	50
## ENSG00000290032.1	381	469	405	407	442
## ENSG00000276180.2	24	21	17	18	21
## ENSG00000197903.8	779	761	797	721	913
## ENSG00000274997.2	7	2	7	3	10
## ENSG00000290009.1	8	11	9	14	10
## ENSG00000112812.16	708	966	826	938	821
## ENSG00000291112.1	358	460	471	521	356
## ENSG00000124613.9	775	1015	1082	995	811
## ENSG00000271755.1	16	28	27	15	15
## ENSG00000096654.16	1212	1485	1426	1469	1206
## ENSG00000286652.1	9	10	6	5	2
## ENSG00000281706.5	119	155	141	186	132

## ENSG00000287252.3	46	66	54	79	45
## ENSG00000185130.6	4	6	6	8	6
## ENSG00000196747.5	21	27	19	21	26
## ENSG00000278828.2	69	92	61	105	85
## ENSG00000276368.2	4	11	9	5	18
## ENSG00000197238.5	6	6	4	7	9
## ENSG00000273542.2	13	5	3	4	5
## ENSG00000275221.2	13	8	4	16	5
## ENSG00000233822.6	39	50	45	50	30
## ENSG00000276903.2	9	6	9	4	8
## ENSG00000184357.5	6	12	15	3	11
## ENSG00000197153.5	5	10	7	11	12
## ENSG00000278677.2	6	6	1	4	1
## ENSG00000274641.2	6	10	5	10	4
## ENSG00000269293.5	224	203	229	248	308
## ENSG00000272009.1	0	4	6	6	6
## ENSG00000197279.5	682	1139	858	1129	699
## ENSG00000291008.1	195	321	230	269	200
## ENSG00000196812.6	737	923	775	906	733
## ENSG00000261839.1	3	3	5	4	10
## ENSG00000198315.11	5316	6933	6117	6590	5596
## ENSG00000226314.9	16	27	24	23	23
## ENSG00000280107.1	6	7	6	3	4
## ENSG00000216901.1	7	4	7	4	6
## ENSG00000176933.5	18	24	30	30	29
## ENSG00000137185.13	1244	1659	1512	1545	1515
## ENSG00000187626.9	637	825	780	812	705
## ENSG00000189134.4	48	36	55	32	47
## ENSG00000197062.12	923	1089	1136	1106	1157
## ENSG00000137338.6	1004	1124	1149	1120	1090
## ENSG00000235109.8	167	250	200	196	187
## ENSG00000290051.1	4	5	9	3	9
## ENSG00000189298.14	760	898	965	916	885
## ENSG00000158691.15	2372	2882	2709	3057	2348
## ENSG00000187987.10	239	278	296	379	212
## ENSG00000287804.3	30	24	23	28	39
## ENSG00000232040.4	907	1165	1101	1248	997
## ENSG00000246350.1	7	7	8	5	4
## ENSG00000235559.1	21	23	21	36	49
## ENSG00000225173.2	116	113	143	90	109
## ENSG00000204713.11	7927	9243	8902	9399	9480
## ENSG00000204709.4	4	15	12	17	12
## ENSG00000228666.1	13	20	11	12	13
## ENSG00000227214.2	30	48	40	50	51
## ENSG00000244349.1	21	37	15	13	15
## ENSG00000197935.7	381	416	428	460	417
## ENSG00000237988.6	1808	2433	1818	1808	1526
## ENSG00000213886.4	18	16	20	21	11
## ENSG00000204681.11	525	647	665	774	509
## ENSG00000235238.1	34	35	31	40	50
## ENSG00000204655.12	8	9	2	7	4
## ENSG00000204644.10	12	25	16	29	11
## ENSG00000204642.14	42	58	74	48	47
## ENSG00000204632.13	29	23	46	36	49

## ENSG00000206341.7	284	307	371	338	349
## ENSG00000227262.3	1	2	6	6	3
## ENSG00000230795.3	24	18	25	11	17
## ENSG00000206503.14	8688	10051	10882	11173	11935
## ENSG00000293508.1	145	179	169	219	151
## ENSG00000290574.2	11	13	13	9	9
## ENSG00000237669.1	2	13	10	23	21
## ENSG00000066379.15	865	969	1025	1029	1160
## ENSG00000204619.8	4184	4489	4358	4390	5014
## ENSG00000204618.10	100	164	126	123	114
## ENSG00000204616.11	19	32	18	29	6
## ENSG00000234127.9	3198	3524	3546	3678	3823
## ENSG00000233892.1	5	7	8	9	1
## ENSG00000270604.5	25	15	25	28	27
## ENSG00000291097.1	22	43	23	24	21
## ENSG00000280128.1	720	920	818	919	816
## ENSG00000231074.11	2406	2855	2681	2893	2527
## ENSG00000204599.16	1070	1252	1117	1129	1158
## ENSG00000241370.6	33	26	25	34	36
## ENSG00000236603.2	88	117	101	123	146
## ENSG00000204592.9	4904	6208	5650	6162	6120
## ENSG00000235781.1	5	11	7	2	3
## ENSG00000204590.13	4856	5339	5339	5321	5837
## ENSG00000204576.12	1493	1448	1723	1579	1846
## ENSG00000204574.14	12093	13355	13879	13232	14595
## ENSG00000204569.10	6161	7757	7369	8112	7291
## ENSG00000204568.12	4442	4993	4871	5006	5338
## ENSG00000137343.18	1179	1395	1476	1561	1668
## ENSG00000204564.12	422	504	529	605	599
## ENSG00000204560.10	3629	4036	4035	4224	4515
## ENSG00000146112.12	3848	4549	4512	4458	4829
## ENSG00000137404.15	1928	1809	2264	1848	2499
## ENSG00000137337.16	6643	7149	7615	7134	7087
## ENSG00000196230.14	215179	233322	244848	223262	280863
## ENSG00000272540.1	15	17	14	13	6
## ENSG00000137312.15	6732	7796	7515	8007	9175
## ENSG00000272273.3	18	16	24	18	28
## ENSG00000137331.12	948	1194	1015	993	1151
## ENSG00000204580.14	14424	17425	15894	17531	18111
## ENSG00000213780.11	9	5	13	18	6
## ENSG00000137411.19	2	10	11	14	5
## ENSG00000196260.5	11	14	9	18	11
## ENSG00000168631.14	201	123	241	116	181
## ENSG00000261272.1	6	5	5	8	9
## ENSG00000204536.15	1292	1212	1341	1276	1478
## ENSG00000137310.13	618	619	727	627	739
## ENSG00000272501.1	9	7	10	7	10
## ENSG00000204525.18	13927	17397	18985	19073	17495
## ENSG00000227939.1	180	173	158	245	329
## ENSG00000234745.14	3173	2650	5674	2775	2512
## ENSG00000272221.1	25	30	40	33	24
## ENSG00000204520.14	507	706	594	734	616
## ENSG00000206337.12	135	99	184	173	136
## ENSG00000204516.10	62	58	87	59	71

## ENSG00000198563.14	1417	2089	2125	2724	1586
## ENSG00000213760.11	104	88	94	84	79
## ENSG00000204498.11	1012	1224	1080	1101	1440
## ENSG00000232810.5	11	42	24	61	27
## ENSG00000227507.3	487	1251	583	1046	577
## ENSG00000204482.11	6	5	7	9	1
## ENSG00000204472.13	97	27	90	34	70
## ENSG00000204469.13	25169	26622	28170	26741	29924
## ENSG00000204463.14	25457	29082	27814	28664	32457
## ENSG00000204444.11	270	356	330	549	373
## ENSG00000204439.4	1747	2059	1868	1939	2078
## ENSG00000204438.11	1818	1896	1918	1940	2171
## ENSG00000201207.1	3	1	6	9	9
## ENSG00000204435.15	1916	2338	2046	2239	2672
## ENSG00000263020.6	4	5	4	5	10
## ENSG00000240053.9	62	53	42	58	36
## ENSG00000204428.12	83	95	86	89	85
## ENSG00000204427.12	421	578	505	674	572
## ENSG00000204420.10	15	23	14	27	21
## ENSG00000204421.3	8	14	9	6	8
## ENSG00000213722.10	7563	8036	8202	8481	10029
## ENSG00000213719.8	43007	57550	46252	56120	59779
## ENSG00000204410.16	27	45	41	65	28
## ENSG00000228727.10	10	4	8	7	13
## ENSG00000235663.1	10	15	16	21	15
## ENSG00000204396.11	324	355	366	371	310
## ENSG00000204394.13	19852	19671	19583	19429	23906
## ENSG00000201555.1	4	5	6	3	6
## ENSG00000204392.11	4050	4830	4556	4845	5944
## ENSG00000204390.10	115	115	119	112	130
## ENSG00000204389.10	1241	1289	1478	1258	1612
## ENSG00000289829.1	12	10	12	5	9
## ENSG00000204388.7	2538	2943	2861	2678	3240
## ENSG00000204387.14	1661	2063	1801	2191	1998
## ENSG00000204386.12	5551	8582	6641	9028	7785
## ENSG00000204385.13	1450	2857	1864	2977	1952
## ENSG00000237080.3	6	7	9	11	5
## ENSG00000204371.12	7999	8017	8554	8012	9846
## ENSG00000166278.16	29	28	34	20	27
## ENSG00000204366.4	1460	1340	1679	1461	1917
## ENSG00000243649.10	70	140	107	121	89
## ENSG00000204356.14	5512	6145	5763	5776	7261
## ENSG00000204351.13	3665	4046	4001	4061	4292
## ENSG00000204348.10	725	826	716	857	845
## ENSG00000204344.16	470	602	507	614	615
## ENSG00000244731.10	11	15	8	5	5
## ENSG00000224389.9	10	13	17	21	15
## ENSG00000168477.21	147	189	170	188	158
## ENSG00000286974.1	7	5	6	2	2
## ENSG00000213676.13	4327	5618	4983	5909	5805
## ENSG00000204315.4	710	892	799	768	919
## ENSG00000204314.12	23	32	35	30	32
## ENSG00000284954.1	8	9	12	8	12
## ENSG00000221988.13	1553	2009	1787	1920	2038

## ENSG00000258388.7	33	43	38	49	32
## ENSG00000241404.7	28	22	24	39	26
## ENSG00000204310.13	7783	9386	9002	9345	10276
## ENSG00000204308.8	5947	7375	6226	7317	8514
## ENSG00000204305.16	136	165	177	188	132
## ENSG00000204304.12	11215	13617	13559	14322	13388
## ENSG00000213654.10	248	217	290	182	300
## ENSG00000204301.6	85	62	90	66	75
## ENSG00000225914.5	14	19	14	21	14
## ENSG00000237285.1	4	7	3	8	11
## ENSG00000204287.14	15	27	25	50	19
## ENSG00000198502.6	249	464	414	595	448
## ENSG00000196126.12	693	1408	1103	1864	1313
## ENSG00000196735.13	28	31	35	36	18
## ENSG00000179344.17	1086	1428	1236	1544	1324
## ENSG00000223534.1	14	12	15	22	11
## ENSG00000237541.4	17	21	32	28	17
## ENSG00000241106.8	3	7	6	9	5
## ENSG00000204267.19	287	483	453	589	341
## ENSG00000204264.12	260	475	523	670	400
## ENSG00000204261.9	6	1	10	5	3
## ENSG00000240065.8	24	22	38	31	14
## ENSG00000168394.13	1430	2737	1854	2710	2140
## ENSG00000289559.2	9	9	5	12	7
## ENSG00000289047.2	1870	2853	2098	2705	2326
## ENSG00000242574.9	33	66	52	104	42
## ENSG00000204257.15	107	136	102	155	102
## ENSG00000204256.14	14936	19923	18077	21571	17463
## ENSG00000204252.14	327	580	439	694	490
## ENSG00000231389.8	246	398	307	303	303
## ENSG00000223865.11	7370	12162	8274	12344	8712
## ENSG00000291111.1	10	6	5	16	13
## ENSG00000204248.12	166	269	194	253	150
## ENSG00000204231.11	1878	2014	2098	2245	2252
## ENSG00000112473.19	17436	23302	20418	23308	22418
## ENSG00000204228.4	256	237	305	271	291
## ENSG00000288751.1	2	8	14	10	5
## ENSG00000204227.5	1987	2251	2087	2310	2646
## ENSG00000272217.1	17	15	9	27	16
## ENSG00000289975.1	35	18	17	31	31
## ENSG00000232940.8	23	23	15	39	24
## ENSG00000223501.9	2676	3124	3063	3103	3103
## ENSG00000231500.7	148380	180020	163575	177089	208012
## ENSG00000235863.4	111	111	128	97	151
## ENSG00000227057.10	4846	5238	5125	4985	5999
## ENSG00000204220.12	2526	3035	3010	3343	3296
## ENSG00000237441.10	3508	4321	3898	4089	4420
## ENSG00000289100.1	13	32	24	30	26
## ENSG00000231925.14	1379	2002	1884	1918	1661
## ENSG00000236104.3	1248	1523	1465	1653	1708
## ENSG00000204209.13	5077	5299	5643	5464	6424
## ENSG00000228285.2	15	29	20	19	24
## ENSG00000237649.8	4404	4577	4938	4885	5748
## ENSG00000112511.18	1102	1208	1232	1349	1386

## ENSG00000112514.18	9852	10993	10227	10506	14159
## ENSG00000197283.18	1283	1517	1571	1690	1452
## ENSG00000213588.6	2148	2380	2380	2392	2572
## ENSG00000301110.14	3686	4621	4175	4314	4957
## ENSG00000197251.4	6	3	4	7	3
## ENSG00000096433.11	13520	18441	15185	19070	14679
## ENSG00000137288.10	3047	3477	3271	3899	4383
## ENSG00000161896.12	69	97	109	91	115
## ENSG00000161904.13	3233	4084	3760	4111	4271
## ENSG00000124493.14	129	48	138	52	111
## ENSG00000214810.4	8	6	4	11	11
## ENSG00000288879.2	5	1	3	5	2
## ENSG00000137309.21	102082	88994	110617	91871	141351
## ENSG00000276404.1	0	6	4	7	1
## ENSG00000186577.14	198	222	220	233	243
## ENSG00000272325.2	178	169	155	156	227
## ENSG00000270800.4	5	17	10	3	9
## ENSG00000124614.17	86	94	106	115	94
## ENSG00000124507.11	57	34	70	20	51
## ENSG00000124664.11	36	36	57	31	28
## ENSG00000196821.10	12775	15259	15800	14647	14353
## ENSG00000272288.8	49	45	41	51	58
## ENSG00000217130.1	55	49	35	62	90
## ENSG00000124562.10	6861	7765	7702	8115	9734
## ENSG00000065060.18	6428	7883	7791	8375	6498
## ENSG00000064995.19	4175	4977	4632	4731	4645
## ENSG00000064999.16	5154	6414	6163	7230	6103
## ENSG00000124678.20	7	1	4	4	6
## ENSG00000146197.9	2281	3252	2726	3436	3068
## ENSG00000272374.1	13	25	18	24	20
## ENSG00000065029.15	1255	1434	1251	1523	1649
## ENSG00000023892.12	172	147	224	174	194
## ENSG00000112033.14	1480	1816	1982	2172	2002
## ENSG00000112039.6	532	545	677	614	688
## ENSG00000198755.11	81964	94389	89167	98414	111176
## ENSG00000007866.22	3802	4377	4109	4292	4757
## ENSG00000112041.13	2	7	8	8	11
## ENSG00000219023.1	29	31	46	42	59
## ENSG00000289456.1	537	124	644	144	164
## ENSG00000096060.15	1598	1216	1856	1081	1543
## ENSG00000157343.9	29	7	13	14	22
## ENSG00000137392.10	86	88	93	93	80
## ENSG00000197753.11	48	72	74	47	46
## ENSG00000096063.16	9686	12645	11301	12051	11073
## ENSG00000112053.14	3	5	11	8	12
## ENSG00000112062.12	4996	5967	5615	6032	5446
## ENSG00000156711.17	734	799	990	914	912
## ENSG00000246982.7	14	20	11	26	18
## ENSG00000096070.19	3890	4959	4753	5547	4528
## ENSG00000180316.13	6	2	6	4	5
## ENSG00000189325.7	227	655	478	600	327
## ENSG00000010030.14	36	74	43	64	52
## ENSG00000112078.14	6525	8959	7736	8840	7237
## ENSG00000112079.9	4239	5244	4992	5129	4507

## ENSG00000112081.17	28208	34396	30661	33320	34223
## ENSG00000124762.14	9136	16283	11196	17224	17534
## ENSG00000285244.1	2	1	5	11	11
## ENSG00000255587.9	3	6	7	15	9
## ENSG00000124772.12	14	10	31	21	30
## ENSG00000137168.8	6107	6969	6688	6837	7411
## ENSG00000198663.17	4172	5405	5261	5713	4600
## ENSG00000164530.15	7	10	8	11	6
## ENSG00000137409.21	13386	14833	15199	14692	17772
## ENSG00000226976.3	94	114	92	139	152
## ENSG00000137193.14	1383	1430	1714	1608	1753
## ENSG00000172738.13	16	50	28	50	42
## ENSG00000065491.8	1421	1764	1752	1825	1785
## ENSG00000286672.1	1	9	6	7	3
## ENSG00000112130.17	3017	3614	3389	3485	3738
## ENSG00000137200.13	3268	3414	3650	3801	3768
## ENSG00000198937.9	1990	2279	2099	2453	2652
## ENSG00000112139.17	114	123	119	97	133
## ENSG00000225945.1	7	13	10	4	6
## ENSG00000156639.12	6343	8010	7609	8131	7940
## ENSG00000183826.19	866	1089	1008	1062	983
## ENSG00000124767.7	24473	32980	27939	29635	30165
## ENSG00000124721.18	9	34	20	37	23
## ENSG00000112164.6	1550	4102	1970	4297	2354
## ENSG00000112167.11	1058	1965	1239	2133	1358
## ENSG00000164626.9	4216	8029	4545	8181	5680
## ENSG00000124780.14	2187	1548	2409	1531	2258
## ENSG00000095981.11	1478	765	1480	718	1089
## ENSG00000164627.18	237	196	246	208	195
## ENSG00000146122.17	327	305	395	343	379
## ENSG00000124615.20	1339	1301	1360	1226	1458
## ENSG00000180211.5	51	41	31	48	88
## ENSG00000226070.2	15	3	18	11	14
## ENSG00000156564.10	216	67	202	70	171
## ENSG00000124602.10	79	83	125	104	94
## ENSG00000124596.17	3338	4136	4120	3902	3602
## ENSG00000112212.12	6	6	4	4	3
## ENSG00000124701.6	71	23	92	35	62
## ENSG00000001167.15	8066	9898	9536	10223	8592
## ENSG00000161912.19	13	20	14	20	9
## ENSG00000290554.1	6	13	13	18	5
## ENSG00000234753.7	111	98	130	152	120
## ENSG00000226917.6	5	6	4	1	6
## ENSG00000137166.18	10326	10423	11388	10264	13800
## ENSG00000112559.15	1022	1017	1269	1216	1662
## ENSG00000112561.19	48	37	54	68	71
## ENSG00000137218.10	183	204	230	246	254
## ENSG00000124593.16	31	42	34	58	39
## ENSG00000164663.15	461	535	593	471	516
## ENSG00000288721.1	5	4	7	7	1
## ENSG00000124641.16	2209	2642	2494	2688	2645
## ENSG00000112578.10	3649	4399	4217	4418	5154
## ENSG00000112576.13	1104	1268	1253	1389	1657
## ENSG00000137413.17	1523	1794	2002	2220	1686

## ENSG00000188112.10	3248	3641	3518	3562	3748
## ENSG00000112599.9	27	16	19	29	17
## ENSG00000048544.6	4274	6009	4732	5634	4987
## ENSG00000124496.13	2106	2784	2447	2932	2380
## ENSG00000024048.11	4071	5494	5010	5560	4202
## ENSG00000112619.8	60	39	80	58	70
## ENSG00000124659.7	1721	1854	1913	1993	2143
## ENSG00000112624.14	1360	1568	1590	1582	1355
## ENSG00000146223.16	16841	20324	20098	20940	19906
## ENSG00000221821.4	123	123	137	164	199
## ENSG00000288010.1	25	10	27	20	33
## ENSG00000287825.3	75	77	93	61	118
## ENSG00000137161.18	4683	5296	4875	4736	5907
## ENSG00000231113.2	106	100	120	104	141
## ENSG00000181524.6	288	360	282	364	494
## ENSG00000124713.6	13	10	12	17	12
## ENSG00000124587.14	2196	2675	2516	2649	2625
## ENSG00000290049.1	12	15	16	22	13
## ENSG00000112640.16	5229	5652	5709	5617	6003
## ENSG00000124733.5	3290	3009	3425	3176	3775
## ENSG00000124702.19	9121	10479	9839	9922	12226
## ENSG00000124541.7	3357	4026	3728	3896	3993
## ENSG00000272223.1	0	5	3	10	4
## ENSG00000044090.13	4195	4696	4744	4920	4869
## ENSG00000137171.15	1161	1297	1181	1404	1327
## ENSG00000112651.12	471	483	498	523	652
## ENSG00000272170.1	4	1	3	6	7
## ENSG00000112655.16	12354	15283	14061	16321	16417
## ENSG00000112658.8	5676	6858	6143	7019	6952
## ENSG00000112659.14	1073	997	1188	1089	1047
## ENSG00000112667.13	1706	1634	1737	1834	2363
## ENSG00000146216.14	167	102	203	107	133
## ENSG00000146215.14	44	8	46	18	29
## ENSG00000171467.16	3189	4145	3720	4211	3259
## ENSG00000287055.1	80	146	93	114	90
## ENSG00000287266.1	11	25	23	32	8
## ENSG00000124574.15	2696	3251	2923	3308	3331
## ENSG00000171462.15	135	135	149	158	177
## ENSG00000137221.14	1737	2015	1926	2235	2206
## ENSG00000204052.5	154	162	128	99	216
## ENSG00000171453.20	2167	2744	2359	2825	2814
## ENSG00000137207.12	8001	10136	8987	10014	11452
## ENSG00000271754.1	10	1	5	8	2
## ENSG00000124571.18	11123	12361	12881	12352	12157
## ENSG00000219470.1	18	22	14	16	18
## ENSG00000170734.12	1589	2519	1972	2658	2086
## ENSG00000203362.2	80	128	121	115	141
## ENSG00000172432.19	2099	2514	2488	2991	2632
## ENSG00000124688.14	2030	2438	2180	2507	2496
## ENSG00000172426.16	61	58	50	55	69
## ENSG00000096080.12	1365	1879	1558	1743	1973
## ENSG00000112715.26	3789	5512	5061	6267	4955
## ENSG00000289313.1	13	8	17	11	18
## ENSG00000237686.8	13	17	31	11	22

## ENSG00000289609.2	13	10	14	7	18
## ENSG00000181577.16	9	7	4	6	3
## ENSG00000231881.2	15	16	13	14	28
## ENSG00000287562.1	51	99	91	103	127
## ENSG00000180992.7	2131	2548	2419	2859	3231
## ENSG00000137216.19	3903	5356	4756	5827	5512
## ENSG00000262179.3	13	20	16	8	10
## ENSG00000112759.19	4295	4698	5086	5004	5389
## ENSG00000096384.20	242191	290672	296060	285306	298726
## ENSG00000157593.20	5499	7557	6197	7719	7667
## ENSG00000146232.17	1061	1505	1177	1432	1525
## ENSG00000178233.18	147	60	108	60	121
## ENSG00000146221.10	9	5	5	6	10
## ENSG00000124608.5	2331	2618	2569	2664	2638
## ENSG00000096401.8	6930	8345	7814	8347	7645
## ENSG00000196284.18	1682	1822	1708	1657	1757
## ENSG00000124813.23	116	191	158	180	109
## ENSG00000271857.1	3	0	9	5	0
## ENSG00000112782.19	4210	3908	4477	3946	3796
## ENSG00000231769.4	14	8	14	17	11
## ENSG00000001561.7	1588	2157	2031	1884	1697
## ENSG00000112796.10	435	619	629	626	433
## ENSG00000229349.2	9	14	6	21	17
## ENSG00000172348.16	1617	2113	1889	1938	1914
## ENSG00000146233.8	499	694	597	759	597
## ENSG00000153291.16	86	158	120	164	105
## ENSG00000180113.16	67	157	76	119	119
## ENSG00000146070.17	258	511	284	512	340
## ENSG00000112818.11	149	399	301	514	221
## ENSG00000069122.19	0	5	1	5	5
## ENSG00000153292.16	18	23	21	25	24
## ENSG00000146072.6	29770	37114	34471	32540	35812
## ENSG00000270761.2	14	23	14	26	26
## ENSG00000198087.7	7597	11377	10053	9717	7559
## ENSG00000293467.1	3	9	2	11	7
## ENSG00000153294.12	46	83	71	73	57
## ENSG00000244694.8	792	2332	1007	2286	1509
## ENSG00000226068.1	13	5	6	11	11
## ENSG00000146085.8	2674	3169	3068	3183	2740
## ENSG00000031691.7	620	714	711	653	673
## ENSG00000197261.12	274	303	257	337	267
## ENSG00000124490.14	34	33	30	38	41
## ENSG00000008196.13	3	68	18	91	22
## ENSG00000060303.5	11	24	16	31	29
## ENSG00000230204.1	5	2	4	3	9
## ENSG00000232702.3	9	5	8	8	7
## ENSG00000170927.15	58	106	74	87	53
## ENSG00000112118.20	17829	18896	19939	19474	19777
## ENSG00000170915.9	4881	10292	5772	9114	5963
## ENSG00000096093.16	866	1065	1023	1082	1116
## ENSG00000065308.5	4392	5897	5478	6122	5017
## ENSG00000225791.7	398	551	474	462	486
## ENSG00000291006.1	6227	7927	6753	7583	6248
## ENSG00000096092.6	4708	5901	5784	5835	5751

## ENSG00000220377.1	8	8	4	9	3
## ENSG00000237674.1	10	7	5	10	10
## ENSG00000244067.3	10070	15666	11924	16365	12347
## ENSG00000243955.6	86831	115042	95540	125074	113915
## ENSG00000170899.11	5423	7976	6010	7630	6829
## ENSG00000112144.16	4678	7327	5789	6903	5194
## ENSG00000112146.17	2721	3704	3423	3726	3268
## ENSG00000012660.14	15507	20292	18192	18393	17446
## ENSG00000271367.1	9	8	5	8	9
## ENSG00000219863.5	5	4	3	12	9
## ENSG00000001084.13	2762	3484	3251	3298	2858
## ENSG00000235899.4	6	9	7	8	4
## ENSG00000124743.6	49	100	70	76	55
## ENSG00000227885.4	58	96	71	98	74
## ENSG00000137269.15	4519	6310	5455	6132	5222
## ENSG00000271218.1	5	9	7	15	6
## ENSG00000146147.15	7	64	21	87	36
## ENSG00000137251.16	1	14	19	28	6
## ENSG00000168143.9	977	1472	1216	1559	951
## ENSG00000146151.14	665	747	758	611	674
## ENSG00000112175.8	1898	2555	2291	2472	1919
## ENSG00000124749.18	380	485	475	483	317
## ENSG00000220666.2	3	10	7	13	9
## ENSG00000151914.22	17397	33500	21939	35031	19013
## ENSG00000231441.2	10	13	7	8	6
## ENSG00000151917.18	222	277	261	215	191
## ENSG00000168116.14	1050	1404	1285	1301	1121
## ENSG00000112200.17	3423	4676	4244	4649	3636
## ENSG00000226803.9	13	20	26	16	26
## ENSG00000112208.11	1896	2274	2207	2155	2147
## ENSG00000112210.12	1552	1864	1773	1782	1434
## ENSG00000146143.19	2057	2499	2374	2447	2452
## ENSG00000272316.1	20	36	54	40	25
## ENSG00000290555.1	198	237	217	299	243
## ENSG00000250686.2	14	12	17	29	12
## ENSG00000112232.10	691	938	880	1020	957
## ENSG00000198225.5	37	47	35	41	44
## ENSG00000146166.17	2	12	23	7	11
## ENSG00000289911.1	8	12	10	13	5
## ENSG00000112245.13	34	35	55	37	47
## ENSG00000266680.1	272	485	319	470	357
## ENSG00000285976.3	3	10	8	10	11
## ENSG00000213309.3	15	19	10	31	29
## ENSG00000118482.12	9140	11225	10631	10997	9027
## ENSG00000188107.15	35	35	48	45	40
## ENSG00000236345.3	48	91	55	108	71
## ENSG00000214558.5	48	68	70	56	53
## ENSG00000233859.2	32	30	34	52	52
## ENSG00000218890.1	3	6	5	3	6
## ENSG00000135298.15	29	26	32	22	17
## ENSG00000168216.13	3237	4870	3951	4566	3959
## ENSG00000219085.1	12	14	15	18	16
## ENSG00000082293.13	119	76	139	63	148
## ENSG00000216365.2	9	2	8	0	10

## ENSG00000112280.18	229	167	270	138	372
## ENSG00000082269.17	2520	3418	3030	3253	2477
## ENSG00000154079.6	746	1126	953	1197	1129
## ENSG00000271967.1	3	5	5	1	8
## ENSG00000232389.1	17	26	31	39	37
## ENSG00000112305.15	893	1109	1064	1046	1014
## ENSG00000112309.11	13	20	43	22	22
## ENSG00000218350.1	8	12	14	17	17
## ENSG00000233237.9	116	129	120	133	128
## ENSG00000119900.9	3156	5396	4056	4767	3852
## ENSG00000218014.1	12	17	11	11	43
## ENSG00000079841.20	29	32	32	26	24
## ENSG00000185760.18	132	127	171	158	154
## ENSG00000135314.14	274	331	270	345	322
## ENSG00000229852.4	161	168	182	198	215
## ENSG00000235174.1	425	536	502	571	637
## ENSG00000290002.1	8	26	20	24	22
## ENSG00000164430.17	30	34	44	35	50
## ENSG00000135297.17	1641	2183	1943	2355	1720
## ENSG00000156508.19	1382582	1708650	1596675	1718260	1902895
## ENSG00000119899.13	1629	2079	2099	2178	1899
## ENSG00000156535.15	92	156	123	182	119
## ENSG00000111799.22	2428	3326	2834	3508	2633
## ENSG00000112695.13	8137	10818	9071	11232	11488
## ENSG00000112697.17	14395	22837	18700	19761	15825
## ENSG00000225793.5	12	14	11	13	11
## ENSG00000118407.15	58	73	60	77	55
## ENSG00000112701.18	6338	8303	7463	8182	6200
## ENSG00000196586.17	12784	19152	16450	18154	13410
## ENSG00000112706.12	20	29	19	10	17
## ENSG00000135312.7	91	115	112	111	135
## ENSG00000269964.4	23	6	17	9	15
## ENSG00000146243.14	1069	1362	1166	1046	1183
## ENSG00000146247.15	6266	8892	7928	8233	6219
## ENSG00000286340.3	95	126	112	127	121
## ENSG00000118418.16	5106	6760	6110	6159	6562
## ENSG00000270362.2	118	154	125	163	135
## ENSG00000135338.14	983	1311	1129	1253	875
## ENSG00000287811.3	30	47	27	55	47
## ENSG00000279659.1	3	11	15	9	7
## ENSG00000198478.8	6180	10406	7774	9988	6862
## ENSG00000118402.6	1945	2227	2204	1786	2112
## ENSG00000218582.2	25	47	36	60	61
## ENSG00000112742.10	3652	4066	4220	4092	3857
## ENSG00000218418.2	14	15	17	9	27
## ENSG00000083123.15	1625	1863	1854	1800	1656
## ENSG00000272129.1	59	73	60	57	60
## ENSG00000279022.1	10	10	13	14	11
## ENSG00000233967.7	34	36	43	47	30
## ENSG00000260645.2	11	6	5	14	7
## ENSG00000112773.16	3503	5701	4448	5364	4508
## ENSG00000226453.4	25	35	36	33	32
## ENSG00000005700.15	8486	11425	10450	11439	7869
## ENSG00000146242.9	784	1036	939	1067	1051

## ENSG00000118420.17	680	764	699	800	716
## ENSG00000083097.15	1901	2450	2248	2714	1868
## ENSG00000013375.17	5177	6809	6097	7033	5637
## ENSG00000013392.8	689	890	817	936	908
## ENSG00000065833.9	1220	1581	1710	1548	1559
## ENSG00000146250.7	1152	1534	1244	1330	1345
## ENSG00000065609.15	56	23	72	17	50
## ENSG00000203877.9	3	5	4	3	5
## ENSG00000065615.14	1892	2318	1973	1934	1987
## ENSG00000135324.6	216	168	232	184	221
## ENSG00000135315.12	1297	1385	1427	1385	1184
## ENSG00000112837.17	265	112	288	137	307
## ENSG00000234155.1	21	39	41	39	40
## ENSG00000214460.3	19	25	22	32	26
## ENSG00000135318.12	2726	2562	3004	2189	2607
## ENSG00000135317.14	351	525	450	547	395
## ENSG00000135316.20	9848	12024	11511	10036	10597
## ENSG00000203875.13	575	701	634	747	601
## ENSG00000288021.1	5	2	8	3	2
## ENSG00000168830.8	120	156	143	192	153
## ENSG00000135346.9	33	109	46	101	62
## ENSG00000272008.1	5	21	5	12	7
## ENSG00000188994.14	5046	7647	6415	7377	4970
## ENSG00000164411.12	3	7	9	11	5
## ENSG00000111850.11	544	623	671	672	595
## ENSG00000203872.7	29	37	39	38	29
## ENSG00000272514.6	8	8	4	1	3
## ENSG00000213204.8	5	5	4	3	4
## ENSG00000164414.19	404	534	458	473	408
## ENSG00000146282.19	4244	4852	4681	4806	4736
## ENSG00000135336.16	3501	4040	3687	3723	3668
## ENSG00000135334.9	3564	4151	4078	4191	4308
## ENSG00000118432.13	521	335	683	326	512
## ENSG00000111880.16	2981	3672	3445	3483	3107
## ENSG00000146278.11	6058	8438	7187	7714	7409
## ENSG00000154548.9	1369	1754	1628	1517	1506
## ENSG00000288009.1	10	11	18	13	13
## ENSG00000146281.6	2669	3239	3182	2810	2731
## ENSG00000111886.11	10	10	14	12	5
## ENSG00000198833.7	6477	8558	7619	7640	7132
## ENSG00000025039.15	767	683	884	682	757
## ENSG00000135299.18	2195	3495	2509	3598	2404
## ENSG00000083099.11	3712	4510	4098	4054	3903
## ENSG00000112159.13	6098	7935	7154	7994	5984
## ENSG00000228124.1	10	9	9	7	11
## ENSG00000118412.13	2047	2614	2629	2714	1915
## ENSG00000135355.4	15	18	8	10	8
## ENSG00000112182.16	410	474	566	450	425
## ENSG00000135341.19	4516	5903	5371	5693	4953
## ENSG00000135333.15	11029	12274	12011	11435	12789
## ENSG00000288085.1	16	30	13	23	16
## ENSG00000172469.17	907	1277	1182	1185	908
## ENSG00000172461.11	60	50	60	32	30
## ENSG00000233797.4	22	26	28	20	16

## ENSG00000014123.10	2321	3762	2849	3633	2616
## ENSG000000213183.3	2	2	5	2	5
## ENSG000000112218.9	627	673	831	648	677
## ENSG000000123545.6	1743	2024	1849	2050	1961
## ENSG000000186231.17	71	70	106	69	81
## ENSG000000146263.12	1955	2214	2291	2448	1830
## ENSG000000184486.10	740	655	943	558	1264
## ENSG000000112234.9	2149	2745	2601	2830	2151
## ENSG000000232699.3	1	5	11	6	9
## ENSG000000146267.12	1514	1986	1842	1941	1688
## ENSG000000132423.12	748	893	799	796	896
## ENSG000000132424.17	3669	4798	4801	5330	3616
## ENSG000000228506.4	137	164	151	185	156
## ENSG000000123552.18	1129	1681	1428	1540	1129
## ENSG000000279170.3	104	115	131	131	112
## ENSG000000112237.13	8119	11510	9291	9849	8720
## ENSG000000112238.12	5	1	10	6	2
## ENSG000000112246.10	1873	641	1981	620	1467
## ENSG000000112249.14	13687	21513	16113	20102	16265
## ENSG000000260000.3	72	103	92	114	112
## ENSG000000270987.1	3	5	4	4	10
## ENSG000000164418.22	104	93	104	88	99
## ENSG000000085382.12	1036	1490	1427	1483	1102
## ENSG000000203809.7	12	16	17	17	23
## ENSG000000187772.8	11523	15618	13291	14101	11819
## ENSG000000290011.1	21	16	20	16	16
## ENSG000000112276.14	307	365	406	414	343
## ENSG000000203808.13	8	2	14	9	8
## ENSG000000132429.10	143	134	150	91	144
## ENSG000000085377.15	7754	9063	8983	8881	9232
## ENSG000000231628.1	8	13	14	14	4
## ENSG000000286084.3	9	16	15	20	32
## ENSG000000057657.17	936	1783	1264	2182	1217
## ENSG000000057663.16	2994	4072	3679	4005	3466
## ENSG000000112297.18	1134	1626	1250	1588	1002
## ENSG000000130347.13	991	1171	1177	1123	1152
## ENSG000000130348.11	3579	4428	3842	4146	3910
## ENSG000000235142.12	67	207	83	180	111
## ENSG000000272398.6	173489	237538	206802	217597	219465
## ENSG000000130349.10	581	897	650	786	708
## ENSG000000178409.14	2071	2559	2260	2630	2409
## ENSG000000164494.12	1201	1575	1482	1596	1400
## ENSG000000112320.12	1273	1335	1539	1209	1545
## ENSG000000234206.5	7	15	3	3	2
## ENSG000000289433.1	6	6	14	10	16
## ENSG000000146285.15	39	29	40	30	44
## ENSG000000025796.14	10485	13446	12488	13138	11820
## ENSG000000272476.1	35	42	27	46	46
## ENSG000000225093.1	54	78	62	80	87
## ENSG000000081087.16	1525	2587	1880	2282	1830
## ENSG000000112335.15	6419	7946	7401	7868	7915
## ENSG000000135537.17	515	573	657	625	499
## ENSG000000118689.15	4423	5833	5229	5499	4730
## ENSG000000286511.1	3	13	1	13	1

## ENSG00000118690.13	238	266	229	282	254
## ENSG00000228834.1	5	4	16	14	15
## ENSG00000080546.14	3054	5123	3536	5418	4430
## ENSG00000183137.16	1359	1557	1537	1478	1225
## ENSG00000293470.2	7	11	7	6	10
## ENSG00000293541.1	2	0	10	5	6
## ENSG00000135535.17	23774	44240	29833	38992	28909
## ENSG00000260273.2	7	11	15	16	14
## ENSG00000185250.16	386	453	472	462	417
## ENSG00000135587.9	1165	1463	1146	1498	1611
## ENSG00000135596.18	5997	6190	6352	6365	7324
## ENSG00000112365.6	2183	2618	2557	2515	2205
## ENSG00000155085.16	426	570	423	545	467
## ENSG00000112367.12	2106	2431	2428	2318	2377
## ENSG00000146360.9	13	13	6	13	24
## ENSG00000112290.13	4043	5879	5044	5620	4936
## ENSG00000168438.15	2414	3383	2970	3445	2559
## ENSG00000053328.9	267	497	348	453	345
## ENSG00000155111.15	1963	2515	2289	2600	2168
## ENSG00000123505.19	16557	21845	19780	20498	17162
## ENSG00000155115.7	4067	5610	4713	5110	5416
## ENSG00000197498.13	3363	4144	3908	4107	3737
## ENSG00000112394.18	804	920	936	1038	959
## ENSG00000173214.7	2328	2014	1985	2037	1501
## ENSG00000271789.1	32	29	33	27	32
## ENSG00000009413.17	3627	4418	4602	4960	3434
## ENSG00000272356.1	46	46	37	52	51
## ENSG00000231889.9	271	332	367	353	352
## ENSG00000056972.21	1782	1907	1998	1939	1964
## ENSG00000255389.1	114	138	115	127	120
## ENSG00000010810.18	6255	7986	7370	7899	7893
## ENSG00000074935.14	456	615	611	658	540
## ENSG00000203778.8	621	711	653	633	840
## ENSG00000112769.20	9	45	18	88	53
## ENSG00000219773.1	4	9	7	6	9
## ENSG00000225580.2	10	8	14	12	12
## ENSG00000288560.1	6	1	11	5	4
## ENSG00000218208.1	13	13	27	34	28
## ENSG00000230943.4	31	52	52	52	39
## ENSG00000289198.1	66	61	61	61	47
## ENSG00000277443.3	36205	48788	43184	42165	43047
## ENSG00000196591.12	39040	46387	44168	44059	44685
## ENSG00000228624.8	134	141	160	126	147
## ENSG00000216723.1	2	7	4	5	4
## ENSG00000249853.9	698	257	685	283	591
## ENSG00000111816.8	3413	5970	4725	5608	3165
## ENSG00000186743.2	9	8	9	6	19
## ENSG00000178425.14	5515	7357	6613	6373	6056
## ENSG00000123500.10	1	5	3	7	0
## ENSG00000187189.11	4310	4763	5031	4410	4629
## ENSG00000111817.19	1666	2114	1954	2354	1924
## ENSG00000189241.8	7833	10739	9609	10753	9435
## ENSG00000217241.1	21	26	33	32	26
## ENSG00000178033.6	77	64	83	73	48

## ENSG00000289304.2	9	3	11	13	2
## ENSG00000111832.13	3526	4041	3682	3858	3690
## ENSG00000111834.13	280	275	338	269	267
## ENSG00000153975.10	1358	1667	1549	1643	1416
## ENSG00000196911.12	948	1156	1211	1020	953
## ENSG00000183807.8	266	275	274	325	354
## ENSG00000173612.10	24	43	28	25	10
## ENSG00000185002.10	3879	4741	4623	4925	3944
## ENSG00000170162.14	20	8	9	7	11
## ENSG00000047936.11	12	32	24	16	10
## ENSG00000164465.19	1618	1994	1827	2100	1830
## ENSG00000047932.14	3438	4559	4028	4546	3481
## ENSG00000289372.2	66	52	70	52	61
## ENSG00000153989.8	6234	8219	7400	7415	6546
## ENSG00000196376.11	884	785	1009	774	891
## ENSG00000230202.1	335	412	347	448	552
## ENSG00000111860.14	573	549	812	601	518
## ENSG00000198523.6	15	126	27	121	52
## ENSG00000286339.1	1202	472	1314	374	439
## ENSG00000217330.1	84	23	104	34	23
## ENSG00000111877.18	578	692	680	735	697
## ENSG00000111875.8	2830	3999	3204	3729	3459
## ENSG00000253194.2	6	6	8	16	6
## ENSG00000111879.20	554	443	718	563	493
## ENSG00000111885.7	8965	13792	11145	11773	9076
## ENSG00000216316.1	7	11	5	7	3
## ENSG00000287100.3	7	16	13	24	7
## ENSG00000146350.14	206	226	242	284	213
## ENSG00000152661.9	22397	33278	27334	31234	26059
## ENSG00000025156.13	2668	3033	3014	3009	2837
## ENSG00000279453.1	191	244	264	223	262
## ENSG00000111897.7	14809	19784	18497	18941	15933
## ENSG00000135549.16	2692	2576	3196	2349	2041
## ENSG00000164434.12	73	62	86	77	60
## ENSG00000172594.13	346	376	404	370	305
## ENSG00000146352.13	39	18	70	20	19
## ENSG00000186439.15	3	12	5	8	10
## ENSG00000188580.16	12	13	11	9	12
## ENSG00000236548.3	25	24	41	22	25
## ENSG00000146373.17	928	1130	1267	1043	953
## ENSG00000111907.21	1108	1185	1352	1276	1403
## ENSG00000111906.18	3982	4910	4390	4810	4971
## ENSG00000286299.1	4	16	10	20	6
## ENSG00000135547.9	1	16	6	11	9
## ENSG00000111912.20	1137	2216	1396	1955	1142
## ENSG00000111911.7	1928	2680	2390	2297	1989
## ENSG00000066651.20	1296	1871	1662	1982	1425
## ENSG00000293110.1	29	18	46	16	26
## ENSG00000203760.9	1136	1598	1310	1529	1510
## ENSG00000146374.14	2110	747	2274	863	1664
## ENSG00000118518.17	2467	3161	3061	3320	2822
## ENSG00000093144.19	4759	6120	5346	5436	5349
## ENSG00000213131.3	14	11	24	25	12
## ENSG00000220744.1	12	10	14	17	23

## ENSG00000214338.11	20	16	43	18	24
## ENSG00000184530.9	10	11	13	10	8
## ENSG00000152894.15	11497	12511	13241	11832	12277
## ENSG00000289190.2	12	9	10	7	12
## ENSG00000196569.14	79	94	79	85	77
## ENSG00000220884.2	5	5	6	8	10
## ENSG00000219642.2	9	14	11	12	14
## ENSG00000146376.11	2638	2394	3008	2247	2501
## ENSG00000198945.8	2173	2299	2656	2507	2312
## ENSG00000227678.8	3	6	8	6	2
## ENSG00000164483.17	76	24	76	38	38
## ENSG00000164484.12	1874	1487	2148	1537	1690
## ENSG00000256162.2	12	43	19	54	29
## ENSG00000079819.20	7698	10930	9728	10752	9634
## ENSG00000118507.19	4777	7152	5580	6717	6134
## ENSG00000289262.1	52	81	52	115	119
## ENSG00000112282.18	2281	2821	2782	2970	2186
## ENSG00000197594.14	317	327	404	326	418
## ENSG00000228495.3	10	17	13	11	12
## ENSG00000118523.6	4582	7172	5665	6499	5966
## ENSG00000079931.15	674	690	684	637	729
## ENSG00000079950.14	3661	5369	4467	5130	4307
## ENSG00000146409.12	2635	4424	3085	4377	3073
## ENSG00000112306.8	57147	76806	70084	74106	87103
## ENSG00000206754.1	8	13	18	15	11
## ENSG00000221500.1	5	8	11	4	6
## ENSG00000200534.1	9	17	20	17	8
## ENSG00000112319.21	60	134	80	137	77
## ENSG00000118526.7	12	47	22	51	54
## ENSG00000028839.10	1760	2114	1995	1936	2046
## ENSG00000146411.6	459	563	505	573	502
## ENSG00000118515.12	5492	4799	7139	5873	6005
## ENSG00000236700.8	7	2	6	5	4
## ENSG00000118514.14	18	20	21	24	23
## ENSG00000112339.15	6156	7748	7084	7196	6632
## ENSG00000118513.21	361	266	399	271	313
## ENSG00000135541.22	1754	2025	2154	2101	1665
## ENSG00000231028.11	30	26	32	35	32
## ENSG00000171408.14	157	165	205	189	228
## ENSG00000146410.12	422	452	553	525	509
## ENSG00000029363.17	18614	23375	21195	20622	18442
## ENSG00000260418.1	37	69	51	57	68
## ENSG00000135525.19	3972	5593	4520	4907	4419
## ENSG00000272189.1	61	88	48	84	67
## ENSG00000197442.11	68	92	109	88	77
## ENSG00000112357.14	546	686	631	788	739
## ENSG00000182747.5	54	44	85	44	69
## ENSG00000016402.14	73	52	77	49	74
## ENSG00000027697.16	2458	3680	2858	3570	3125
## ENSG00000230533.5	9	5	13	8	6
## ENSG00000237499.7	5	15	8	8	7
## ENSG00000118503.18	408	639	584	692	407
## ENSG00000112378.12	21991	34552	25696	28717	27175
## ENSG00000112379.9	3345	5063	4433	5256	3608

## ENSG00000051620.11	4273	5480	4635	4967	5122
## ENSG00000135540.12	3158	3779	4052	4203	3439
## ENSG00000225177.6	179	227	223	217	283
## ENSG00000279968.3	45	55	70	52	47
## ENSG0000024862.18	696	826	791	888	847
## ENSG00000203734.13	17	8	14	16	13
## ENSG00000135597.19	7534	8203	8352	8031	8003
## ENSG00000146386.8	7777	10514	8867	9583	8925
## ENSG00000112406.5	635	970	933	942	783
## ENSG00000164442.11	2327	3234	2675	3469	3245
## ENSG00000238099.3	6	7	9	5	9
## ENSG00000135577.5	5	10	11	8	6
## ENSG00000270983.1	6	9	3	4	7
## ENSG00000009844.16	6478	7287	7099	6746	6910
## ENSG00000112414.15	24078	37193	28175	35251	26441
## ENSG00000236366.3	12	8	17	19	16
## ENSG00000010818.11	2661	4025	3157	4315	2836
## ENSG00000232618.2	22	36	37	35	27
## ENSG00000229017.7	4	9	5	9	7
## ENSG00000146416.19	2474	4104	3127	3830	3358
## ENSG00000217648.1	86	143	98	141	114
## ENSG00000189007.16	807	945	1064	1087	817
## ENSG00000034693.15	971	1018	1057	1023	997
## ENSG00000278206.1	6	12	4	10	7
## ENSG00000293105.1	173	227	207	236	191
## ENSG00000001036.14	8772	10975	9798	10775	10563
## ENSG00000112419.15	4529	5647	5538	5534	4324
## ENSG00000135521.9	2182	2880	2433	2706	2473
## ENSG00000270890.1	15	16	11	14	9
## ENSG00000118495.21	808	650	973	772	895
## ENSG00000169976.7	4844	5081	5300	5502	7245
## ENSG00000135604.11	33	21	48	27	29
## ENSG00000217027.1	72	63	56	101	111
## ENSG00000152818.20	14357	20183	17280	18770	14697
## ENSG00000112425.16	443	576	506	563	552
## ENSG00000270638.1	6	12	13	3	13
## ENSG00000288056.1	6	3	6	5	3
## ENSG00000280184.2	7	11	12	9	9
## ENSG00000118496.5	2940	3969	3556	3597	3057
## ENSG00000235652.11	66	105	101	88	60
## ENSG00000146414.17	1734	2316	2171	2854	1794
## ENSG00000152822.15	67	147	89	112	94
## ENSG00000118508.5	3370	5427	3567	5159	4568
## ENSG00000233452.9	48	70	56	53	62
## ENSG00000164506.16	2712	5590	3640	5322	2921
## ENSG00000203727.4	1081	1100	1252	1071	977
## ENSG00000111961.19	1527	1881	1985	2090	1747
## ENSG00000111962.8	641	851	692	828	690
## ENSG00000219487.2	6	3	6	2	9
## ENSG00000055208.20	6845	8896	8311	8928	7611
## ENSG00000178199.14	4	20	13	17	8
## ENSG00000289045.1	16	33	19	18	47
## ENSG00000131013.4	3015	3925	3462	3797	3606
## ENSG00000055211.14	1825	2284	2221	2287	1995

## ENSG00000233330.1	13	11	16	23	20
## ENSG00000293098.1	59	70	80	69	70
## ENSG00000202343.1	4	7	6	5	7
## ENSG00000186625.14	1205	1519	1407	1537	1447
## ENSG00000131023.13	2547	3226	2933	3228	2458
## ENSG00000278899.1	5	8	10	10	11
## ENSG00000120253.14	4407	5661	5395	5738	4972
## ENSG00000120265.21	4703	5673	5484	5505	5299
## ENSG00000231760.5	10	16	8	5	12
## ENSG00000120256.11	142	162	151	136	148
## ENSG00000131015.5	6	7	7	8	6
## ENSG00000111981.5	101	156	130	237	151
## ENSG00000231120.3	21	12	15	15	23
## ENSG00000131019.11	1409	1617	1501	1490	1691
## ENSG00000198729.5	303	208	299	209	274
## ENSG00000009765.15	10	18	17	18	6
## ENSG00000120278.17	4245	5979	4884	5584	4546
## ENSG00000232891.1	9	3	3	5	3
## ENSG00000213089.4	14	10	12	21	19
## ENSG00000120254.16	5941	7028	6668	7025	7128
## ENSG00000219747.1	46	50	44	58	86
## ENSG00000213087.3	69	68	76	86	94
## ENSG00000131016.17	4146	5881	4877	5378	4748
## ENSG00000181472.5	1782	2123	1860	1979	1924
## ENSG00000155906.20	3014	3533	3256	3426	3241
## ENSG00000219395.2	9	10	5	6	1
## ENSG00000146476.11	5952	7194	7063	7108	6142
## ENSG00000120262.10	79	81	89	76	88
## ENSG00000091831.25	15	11	11	11	7
## ENSG00000131018.25	2089	2455	2477	2782	2067
## ENSG00000112029.10	1975	2212	2356	2221	2155
## ENSG00000227627.5	4	5	14	5	8
## ENSG00000112031.16	1068	1314	1085	1240	1152
## ENSG00000091844.8	225	179	251	162	222
## ENSG00000218426.5	430	647	532	719	907
## ENSG00000074706.14	19	21	19	24	18
## ENSG00000153721.19	1343	1914	1724	1950	1437
## ENSG00000287260.2	29	57	41	47	32
## ENSG00000213079.10	5383	6903	6242	6690	6017
## ENSG00000146426.19	1479	1771	1779	1791	1434
## ENSG00000235381.1	64	114	97	84	77
## ENSG00000029639.11	765	908	851	984	865
## ENSG00000171217.5	6	7	8	6	9
## ENSG00000271265.1	2	3	4	8	5
## ENSG00000049618.25	6454	7634	7657	8163	7321
## ENSG00000271551.2	7	7	5	4	4
## ENSG00000215712.11	1588	1724	1754	1811	1759
## ENSG00000271040.1	16	22	21	31	22
## ENSG00000286482.2	34	32	19	43	28
## ENSG00000175048.17	1997	1680	2259	1712	2356
## ENSG00000130340.17	4604	6437	5464	6483	5155
## ENSG00000078269.15	4462	5612	5379	5841	4851
## ENSG00000122335.17	1457	2028	1828	1958	1598
## ENSG00000272047.4	2126	2714	2492	2714	2691

## ENSG00000130338.13	2070	2547	2562	2672	2241
## ENSG00000188451.8	3	4	5	6	7
## ENSG00000146433.10	6017	7960	7029	7317	6449
## ENSG00000218226.1	72	117	96	122	75
## ENSG00000146425.11	7116	8773	8124	9713	9819
## ENSG00000164674.17	108	105	121	123	99
## ENSG00000092820.19	53105	58731	58209	58126	64706
## ENSG00000203711.16	33	46	45	50	65
## ENSG00000130363.13	1365	1738	1690	1594	1471
## ENSG00000271913.9	25	36	33	22	23
## ENSG00000164694.17	82	71	86	81	76
## ENSG00000237927.1	10	9	9	6	7
## ENSG00000291237.1	5063	6558	6652	6528	5645
## ENSG00000220305.1	5	5	6	6	1
## ENSG00000146457.16	8371	10017	9383	9892	9556
## ENSG00000285427.1	17	21	21	28	28
## ENSG00000120437.9	6956	7514	7603	6885	7744
## ENSG00000120438.12	33141	41009	37792	37211	39217
## ENSG00000112110.10	3322	4416	3900	4559	4377
## ENSG00000146453.13	7	11	6	9	7
## ENSG00000197081.16	26925	41444	31517	40746	32609
## ENSG00000175003.15	8	17	10	16	12
## ENSG00000112499.13	16	25	13	23	14
## ENSG00000146477.6	1470	2863	1862	2682	1741
## ENSG00000287656.1	13	16	15	25	8
## ENSG00000213071.12	53	123	65	110	67
## ENSG00000290613.1	5	14	5	7	7
## ENSG00000122194.20	21	37	49	100	43
## ENSG00000292246.1	4	3	6	13	9
## ENSG00000272841.1	158	141	144	120	139
## ENSG00000085511.20	2106	2356	2616	2725	2220
## ENSG00000026652.15	3308	3728	3790	3883	3517
## ENSG00000185345.25	139	206	193	178	177
## ENSG00000112530.13	30	57	58	65	52
## ENSG00000270419.2	5	11	9	12	16
## ENSG00000112531.17	9971	15837	12097	13729	11903
## ENSG00000287550.1	0	3	9	5	4
## ENSG00000112539.15	37	21	42	33	47
## ENSG00000112541.19	1349	1995	1926	2075	1442
## ENSG00000176381.6	18	25	24	34	30
## ENSG00000287189.2	15	15	19	13	22
## ENSG00000198818.10	1630	2199	1964	2333	2113
## ENSG00000233231.1	10	8	10	18	9
## ENSG00000286760.3	100	121	114	121	135
## ENSG00000060762.20	1300	1708	1361	1456	1586
## ENSG00000261420.1	6	20	8	5	9
## ENSG00000280057.1	6	7	4	5	7
## ENSG00000071242.12	3956	4307	4466	4652	4571
## ENSG00000232082.1	13	8	13	10	3
## ENSG00000235272.3	15	11	12	13	24
## ENSG00000235008.1	10	9	9	18	12
## ENSG00000026297.17	593	770	672	771	829
## ENSG00000227598.1	9	7	13	8	8
## ENSG00000285730.1	6	12	17	10	12

## ENSG00000265828.1	8	4	10	5	8
## ENSG00000213066.14	801	1072	1119	1097	870
## ENSG00000272980.5	6	7	3	3	6
## ENSG00000231720.1	3	7	12	8	9
## ENSG00000112494.10	630	783	1245	1012	623
## ENSG00000120440.15	33	38	32	43	34
## ENSG00000217447.1	4	2	6	6	6
## ENSG00000272549.1	8	6	9	8	10
## ENSG00000287594.3	11	21	13	26	18
## ENSG00000203688.6	17	14	24	14	12
## ENSG00000198221.12	106	161	148	160	97
## ENSG00000130396.22	17341	22368	20947	21858	16695
## ENSG00000235994.4	3	5	2	7	3
## ENSG00000229921.7	8	10	18	14	7
## ENSG00000153303.18	3	4	5	3	11
## ENSG00000234647.2	5	12	9	19	4
## ENSG00000164488.12	1999	2603	2298	2698	2988
## ENSG00000224417.2	133	89	123	104	133
## ENSG00000112562.20	1290	1471	1426	1602	1768
## ENSG00000226445.2	21	20	29	23	21
## ENSG00000186340.17	3	12	12	15	7
## ENSG00000272848.2	9	9	13	6	8
## ENSG00000184465.16	588	793	749	932	570
## ENSG00000185127.7	3509	4894	4091	4742	4134
## ENSG00000130024.15	6239	7416	7732	7196	6784
## ENSG00000227704.3	214	188	233	202	263
## ENSG00000184786.6	138	144	143	107	95
## ENSG00000130023.16	655	766	701	836	646
## ENSG00000266896.1	9	4	13	10	7
## ENSG00000229214.2	242	193	247	200	245
## ENSG00000231690.5	106	150	122	167	132
## ENSG00000236173.1	17	27	25	26	15
## ENSG00000288162.1	6	0	8	2	2
## ENSG00000198719.9	986	744	1297	862	984
## ENSG00000112584.14	3871	4538	4435	4552	4082
## ENSG00000288829.1	63	66	66	62	57
## ENSG00000008018.9	12552	15714	13949	15307	16124
## ENSG00000112592.15	1076	1388	1311	1547	1443
## ENSG00000071994.11	4896	6054	5267	5681	5823
## ENSG00000282572.4	17	9	9	8	8
## ENSG00000242474.3	435	545	508	441	518
## ENSG00000240859.3	10	6	11	10	7
## ENSG00000177706.9	2051	1986	2189	2133	2495
## ENSG00000286710.1	4	4	13	2	7
## ENSG00000197461.13	4716	7075	5564	6799	6586
## ENSG00000223855.4	75	95	77	99	87
## ENSG00000188191.16	3168	3546	3177	3194	4363
## ENSG00000164818.16	5721	5984	6182	6295	7175
## ENSG00000164828.18	5991	8025	7238	8505	6919
## ENSG00000239857.7	143	135	116	128	188
## ENSG00000273151.1	82	128	118	148	70
## ENSG00000105963.15	246	295	260	284	376
## ENSG00000240230.6	985	1277	1169	1379	1194
## ENSG00000073067.14	9	20	23	15	20

## ENSG00000146540.15	3519	4023	3719	3848	5285
## ENSG00000164849.10	13	7	9	8	14
## ENSG00000224079.1	8	8	7	4	5
## ENSG00000164850.16	20	13	22	25	36
## ENSG00000178381.12	413	527	468	588	513
## ENSG00000229043.3	114	177	185	205	215
## ENSG00000164853.9	13	4	19	7	11
## ENSG00000164877.19	191	230	194	249	205
## ENSG00000273230.1	130	141	179	173	151
## ENSG00000164880.16	8112	7529	8083	7676	9206
## ENSG00000198517.10	870	994	969	973	1091
## ENSG00000164855.16	139	131	163	159	193
## ENSG00000157778.9	803	915	780	946	1117
## ENSG00000230487.9	419	449	448	444	457
## ENSG00000225968.8	1041	1269	1160	1267	1693
## ENSG00000002822.16	10	10	11	17	11
## ENSG00000122687.19	21	19	34	26	39
## ENSG00000106268.16	639	696	794	761	983
## ENSG00000106266.11	1455	1706	1714	1945	1812
## ENSG00000106263.19	22077	25509	24218	24338	26473
## ENSG00000136213.10	1405	1736	1498	1724	1858
## ENSG00000106003.14	306	315	350	324	377
## ENSG00000106009.16	2270	2162	2308	2388	2811
## ENSG00000106012.19	2283	2806	2761	2951	2742
## ENSG00000136295.16	20434	22609	22032	22926	28037
## ENSG00000288792.1	7	19	6	11	9
## ENSG00000174945.14	24	39	24	38	33
## ENSG00000146535.14	7450	8634	8459	9169	8849
## ENSG00000198286.11	2711	4466	3040	4299	4029
## ENSG00000231892.1	5	6	6	7	12
## ENSG00000236708.1	4	10	12	5	8
## ENSG00000146555.20	4966	6174	5386	6171	5553
## ENSG00000164916.11	5201	6123	6244	5581	4981
## ENSG00000242802.9	1149	1180	1146	1360	1544
## ENSG00000157927.17	221	115	223	138	222
## ENSG00000213935.3	6	7	6	9	10
## ENSG00000196204.12	1378	1598	1444	1607	1725
## ENSG00000272968.5	5	0	5	2	3
## ENSG00000146587.18	2570	3007	2835	2860	2569
## ENSG00000159904.13	7	4	6	3	7
## ENSG00000157954.15	6787	8178	7666	8005	8728
## ENSG00000164638.11	8656	8084	9467	8107	11896
## ENSG00000182095.15	10552	11111	11700	11910	12474
## ENSG00000290091.1	5	5	5	2	6
## ENSG00000272953.2	6	9	8	13	5
## ENSG00000234432.4	155	159	187	149	221
## ENSG00000273084.2	104	149	118	148	178
## ENSG00000155034.21	1451	1578	1665	1756	1605
## ENSG00000207973.1	4	6	9	1	8
## ENSG00000075624.17	299890	370674	369421	362912	477069
## ENSG00000228974.5	5	13	3	6	4
## ENSG00000075618.18	31301	27965	32339	27616	42307
## ENSG00000011275.19	4819	5467	5150	5380	5277
## ENSG00000291099.1	28	20	23	32	23

## ENSG00000122674.12	712	768	719	872	721
## ENSG00000155026.17	4	13	8	8	12
## ENSG00000122512.17	1863	2140	2040	2033	1791
## ENSG00000106305.10	2088	2223	2248	2437	2710
## ENSG00000086232.13	12728	16047	15034	16222	15242
## ENSG00000157999.6	8	21	38	28	23
## ENSG00000106346.12	2220	2692	2678	2683	2559
## ENSG00000008256.17	4371	5964	4752	6319	5246
## ENSG00000136238.20	26620	34574	30691	32144	33042
## ENSG00000164535.15	2309	2433	2421	2393	2861
## ENSG00000136240.10	16843	25401	20587	22132	21969
## ENSG00000215045.9	33	37	40	36	38
## ENSG00000136247.15	3316	4003	3665	3658	4147
## ENSG00000146576.13	1539	1748	1552	1716	1986
## ENSG00000236609.4	1190	1151	1323	1191	1555
## ENSG00000205903.7	2015	2180	2240	2146	2279
## ENSG00000228010.6	44	48	56	29	43
## ENSG00000198580.7	114	141	128	119	99
## ENSG00000164631.19	3103	3841	3489	3640	3053
## ENSG00000290835.1	241	299	278	340	312
## ENSG00000169402.16	9	12	9	7	8
## ENSG00000146574.16	1137	1264	1161	1331	1125
## ENSG00000287860.3	16	42	18	29	18
## ENSG00000106392.11	4696	8955	5921	8274	5796
## ENSG00000230825.3	20	40	67	43	23
## ENSG00000215018.10	208	661	305	608	265
## ENSG00000272732.1	21	49	43	41	25
## ENSG00000272894.5	29	75	57	89	73
## ENSG00000164654.16	3940	5336	4566	5015	4101
## ENSG00000106399.11	2067	2278	2289	2162	2397
## ENSG00000219545.12	907	1573	1177	1215	1092
## ENSG00000234141.1	4	10	8	4	3
## ENSG00000106415.13	1787	2105	2229	2141	1814
## ENSG00000003147.19	2100	2723	2413	2619	2209
## ENSG00000227719.1	8	16	12	13	7
## ENSG00000229970.3	4	8	3	12	4
## ENSG00000122584.13	8	8	8	9	21
## ENSG00000234710.3	29	28	31	21	28
## ENSG00000189043.10	12448	16949	14588	17989	17838
## ENSG00000271185.1	5	3	6	9	9
## ENSG00000106443.17	6478	8025	7423	8054	6530
## ENSG00000230333.6	19	12	7	7	16
## ENSG00000005108.17	1040	1654	1482	1711	1161
## ENSG00000106460.20	5679	9716	7636	8302	6302
## ENSG00000146530.15	10	12	21	14	10
## ENSG00000236048.2	3	3	1	8	5
## ENSG00000006747.15	84	155	135	179	130
## ENSG00000122644.13	564	597	622	534	619
## ENSG00000237713.1	6	6	17	11	7
## ENSG00000006468.15	487	407	597	411	577
## ENSG00000136267.14	95	139	114	164	94
## ENSG00000187546.14	13	8	14	11	12
## ENSG00000235828.5	1	5	5	10	9
## ENSG00000214960.11	264	360	251	301	247

## ENSG00000171243.8	173	367	248	474	259
## ENSG00000272361.2	12	11	18	15	11
## ENSG00000106524.9	2988	3567	3487	3562	3518
## ENSG00000136261.16	16766	21075	17918	19168	20071
## ENSG00000235837.1	18	16	7	15	11
## ENSG00000106537.8	26769	34667	31971	30830	35614
## ENSG00000106541.12	76137	177097	79357	165389	113659
## ENSG00000173467.9	1136	2067	1314	2123	1374
## ENSG00000106546.14	4558	7901	5757	6422	5702
## ENSG00000237773.8	16	22	22	18	22
## ENSG00000236318.2	10	2	3	10	6
## ENSG00000236039.3	287	438	407	672	393
## ENSG00000071189.21	2664	3816	3325	3624	2677
## ENSG00000279048.2	14	21	12	21	14
## ENSG00000048052.25	490	1026	596	749	411
## ENSG00000122691.13	16	20	15	37	27
## ENSG00000105849.6	3345	4348	4030	4020	3394
## ENSG00000173452.15	455	180	461	219	367
## ENSG00000237921.2	6	3	6	2	2
## ENSG00000243004.7	12	7	10	6	11
## ENSG00000213860.4	45	66	37	42	46
## ENSG00000183742.13	2964	5107	3820	5219	3281
## ENSG00000233834.7	107	187	137	142	128
## ENSG00000271133.7	74	87	79	95	84
## ENSG00000105855.10	2475	4654	3195	4008	2379
## ENSG00000164651.18	493	363	556	316	546
## ENSG00000219451.3	64	58	65	87	106
## ENSG00000290069.1	4	9	6	6	9
## ENSG00000105866.15	1469	1705	1754	1368	1463
## ENSG00000105877.19	233	165	227	155	191
## ENSG00000164649.20	2635	2433	3010	2415	2937
## ENSG00000136237.20	1400	1377	1784	1473	1268
## ENSG00000105889.16	40	34	34	27	41
## ENSG00000233476.3	1231	1576	1411	1825	2103
## ENSG00000232759.1	46	71	76	66	66
## ENSG00000232949.2	39	38	45	32	40
## ENSG00000196683.12	6729	8724	8558	9201	9516
## ENSG00000228649.11	145	135	166	183	109
## ENSG00000226279.2	2	3	2	6	5
## ENSG00000122591.13	4162	5087	5267	4838	3958
## ENSG00000230658.2	44	73	68	72	63
## ENSG00000122550.18	4342	5976	5449	5814	5020
## ENSG00000230042.1	23	19	24	14	20
## ENSG00000136243.18	966	1326	1093	1266	1101
## ENSG00000226816.3	24	19	29	23	27
## ENSG00000136235.17	4	8	11	5	11
## ENSG00000156928.5	1492	1641	1702	1735	1794
## ENSG00000136231.14	11329	13784	13318	13656	11970
## ENSG00000289109.1	15	9	13	13	24
## ENSG00000236654.2	11	16	8	14	19
## ENSG00000232818.2	107	113	128	139	120
## ENSG00000164548.12	3455	4334	3928	4097	3749
## ENSG00000169193.12	701	985	914	920	763
## ENSG00000234286.3	87	124	146	115	159

## ENSG00000188732.11	634	730	718	729	725
## ENSG00000196335.13	10	15	7	20	10
## ENSG00000122585.8	33	42	40	67	50
## ENSG00000105926.16	2670	3966	3214	3908	3125
## ENSG00000105928.16	2444	3217	2706	3086	3149
## ENSG00000287093.1	4	12	6	10	1
## ENSG00000070882.13	5171	7000	5853	6871	5956
## ENSG00000172115.9	15586	21039	17968	17499	18541
## ENSG00000153790.12	408	504	499	493	491
## ENSG00000285960.1	13	3	17	1	9
## ENSG00000239622.1	2	9	1	9	10
## ENSG00000270933.2	10	10	17	16	15
## ENSG00000050344.9	3272	3464	3673	3289	3362
## ENSG00000122566.22	87996	105840	110362	106396	103287
## ENSG00000122565.19	19226	22932	23197	23050	21110
## ENSG00000086300.17	552	510	665	414	494
## ENSG00000225792.3	59	48	59	32	48
## ENSG00000214870.11	63	46	73	63	84
## ENSG00000005020.13	2455	2614	2944	2529	2471
## ENSG00000105991.10	1228	1112	1286	961	1268
## ENSG00000233429.9	227	224	211	237	224
## ENSG00000105996.7	308	229	324	235	287
## ENSG00000105997.23	523	471	712	525	667
## ENSG00000253552.8	433	549	491	514	548
## ENSG00000197576.15	180	113	160	81	178
## ENSG00000254369.6	19	23	38	18	30
## ENSG00000106004.5	355	219	351	210	397
## ENSG00000122592.8	6	7	7	3	8
## ENSG00000078399.19	4	9	0	9	7
## ENSG00000106031.9	1	6	2	33	27
## ENSG00000233830.2	63	112	67	76	98
## ENSG00000106049.9	2449	3076	3032	3384	2803
## ENSG00000106052.14	10112	13857	12299	13410	10941
## ENSG00000153814.13	337	332	404	329	361
## ENSG00000146592.17	617	1032	857	995	667
## ENSG00000255690.3	784	606	950	772	883
## ENSG00000106066.15	4296	6274	4691	6149	5888
## ENSG00000106069.26	1027	1044	1218	1087	1207
## ENSG00000285081.1	3	10	2	11	3
## ENSG00000223813.5	84	157	80	115	99
## ENSG00000176532.4	1430	2165	1869	2122	1930
## ENSG00000293330.1	25	33	33	46	31
## ENSG00000288973.1	530	746	697	791	675
## ENSG00000227855.5	66	112	81	130	93
## ENSG00000291213.1	10	26	31	25	38
## ENSG00000122574.12	845	868	1164	1056	1102
## ENSG00000136193.17	14802	18556	17377	18705	16344
## ENSG00000227014.6	7	10	13	21	11
## ENSG00000106080.11	1568	2349	1883	2290	1725
## ENSG00000106086.21	6861	9076	8234	9105	7232
## ENSG00000231519.1	16	21	32	16	12
## ENSG00000180354.16	2446	2400	2670	2182	2710
## ENSG00000180233.11	786	1387	936	1093	884
## ENSG00000235859.5	248	311	271	356	255

## ENSG00000281404.2	20	23	24	39	20
## ENSG00000106100.11	255	250	276	280	254
## ENSG00000006625.18	2475	3033	2784	2908	2906
## ENSG00000196295.13	411	535	587	607	496
## ENSG00000244480.1	6	16	9	11	8
## ENSG00000106105.15	21063	25089	23541	24132	23095
## ENSG00000106113.19	7	15	16	12	13
## ENSG00000241644.2	8	18	24	29	18
## ENSG00000106125.14	40	58	51	56	70
## ENSG00000240583.14	24	102	70	154	120
## ENSG00000078549.16	23	20	23	18	29
## ENSG00000180347.15	78	157	90	151	103
## ENSG00000106341.11	132	94	119	103	162
## ENSG00000154678.18	270	120	276	100	169
## ENSG00000226468.2	2	15	8	6	12
## ENSG00000226421.1	5	5	3	9	2
## ENSG00000106355.10	4513	6016	5147	5519	5878
## ENSG00000105778.20	5267	7012	6347	7055	5368
## ENSG00000229358.3	99	78	89	56	77
## ENSG00000293076.1	53	58	57	60	65
## ENSG00000273014.1	65	86	90	52	55
## ENSG00000281332.1	86	69	72	75	73
## ENSG00000231952.3	13	7	12	15	6
## ENSG00000170852.12	2779	3603	3161	3356	3107
## ENSG00000291146.1	17	25	29	33	24
## ENSG00000122642.11	10995	15446	13107	15438	13075
## ENSG00000122643.23	1646	2185	1927	2018	1934
## ENSG00000164610.10	1033	1319	1287	1433	1508
## ENSG00000122507.21	994	1442	1146	1307	1168
## ENSG00000164619.10	14	27	16	35	27
## ENSG00000236212.2	14	10	11	14	6
## ENSG00000197085.11	7	8	15	19	13
## ENSG00000187258.14	4	5	6	11	5
## ENSG00000230356.1	120	164	133	183	149
## ENSG00000173852.16	5349	7570	6419	6978	6121
## ENSG00000287249.1	25	37	27	28	44
## ENSG00000291133.1	8	8	10	9	7
## ENSG00000289089.1	2	17	6	20	6
## ENSG00000288947.2	9	28	13	34	23
## ENSG00000164532.11	0	7	7	20	13
## ENSG00000287032.1	8	19	12	11	2
## ENSG00000122557.11	2056	2631	2461	2872	2416
## ENSG00000271122.1	720	898	835	803	842
## ENSG00000227544.10	5	7	3	6	1
## ENSG00000228878.10	48	57	59	78	54
## ENSG00000122545.22	11226	14992	13432	14224	12941
## ENSG00000122547.12	1593	2477	1850	2495	1910
## ENSG00000164542.13	2743	2999	2905	2786	2635
## ENSG00000011426.11	6470	8238	7174	7947	6923
## ENSG00000136250.12	7	21	11	24	7
## ENSG00000155849.16	1415	1296	1776	1312	1182
## ENSG00000187037.9	8	5	22	12	1
## ENSG00000106483.12	0	12	6	3	9
## ENSG00000086289.13	227	225	327	318	280

## ENSG00000010270.14	5043	6537	5512	5999	6251
## ENSG000000281103.4	42	49	42	79	35
## ENSG000000078053.17	92	46	96	41	116
## ENSG000000227404.1	6	3	6	5	4
## ENSG000000006715.16	4411	5835	5316	5452	4830
## ENSG000000106536.21	58	73	70	82	66
## ENSG000000233854.2	5	9	9	4	5
## ENSG000000241127.8	916	1170	956	1232	1130
## ENSG000000236015.1	11	21	13	8	14
## ENSG000000287584.1	3	1	4	5	5
## ENSG000000006451.8	8425	11533	9524	9968	9693
## ENSG000000228554.1	1	0	6	8	4
## ENSG000000188185.13	328	389	382	406	364
## ENSG000000226220.1	6	3	6	6	2
## ENSG000000233225.3	29	34	35	32	49
## ENSG000000175741.5	270	355	332	344	316
## ENSG000000259826.1	21	35	30	22	31
## ENSG000000065883.18	5439	7619	6675	7381	6302
## ENSG000000289269.1	0	5	5	3	7
## ENSG000000168303.9	1576	1983	1876	1750	1929
## ENSG000000175600.16	319	387	396	438	411
## ENSG000000122641.11	4453	6092	4606	4870	4007
## ENSG000000224116.7	17	13	11	11	8
## ENSG000000106571.15	2506	4210	3337	4311	3438
## ENSG000000229161.2	10	12	6	18	14
## ENSG000000261019.1	3	3	11	6	6
## ENSG000000136197.14	2	6	0	7	3
## ENSG000000106588.12	14	25	43	24	28
## ENSG000000106591.4	2502	3107	2870	3037	2913
## ENSG000000002746.15	41	12	29	22	16
## ENSG000000231638.1	6	6	6	6	5
## ENSG000000164543.7	3312	4612	3655	4145	4192
## ENSG000000106603.20	4396	5180	4927	5499	5417
## ENSG000000106605.11	1696	1963	2086	2220	2588
## ENSG000000062582.14	95	96	92	82	117
## ENSG000000270617.1	1	5	3	2	5
## ENSG000000106608.17	2626	3315	2847	3482	3279
## ENSG000000078967.13	529	688	675	617	662
## ENSG000000214783.9	23	38	25	27	31
## ENSG000000273432.1	3	4	6	10	6
## ENSG000000241057.2	4	3	7	2	7
## ENSG000000239556.4	13	9	12	10	10
## ENSG000000136206.5	9	15	25	18	18
## ENSG000000228434.1	3	8	11	5	5
## ENSG000000290872.1	115	142	106	153	151
## ENSG000000290758.1	215	191	266	166	201
## ENSG000000235314.1	79	51	88	49	66
## ENSG000000288746.2	29	22	20	40	21
## ENSG000000136279.21	4794	5131	5042	5077	6490
## ENSG000000122678.17	584	625	711	772	748
## ENSG000000106624.11	1315	824	1457	810	1428
## ENSG000000106628.13	11068	11305	11639	11132	14606
## ENSG000000106631.8	413	513	478	440	482
## ENSG000000106633.18	474	233	485	228	395

## ENSG00000106636.9	9065	10506	9766	10225	10395
## ENSG00000058404.21	199	133	229	133	267
## ENSG00000015676.18	7050	7860	7897	8604	8572
## ENSG00000146677.7	238	225	207	283	341
## ENSG00000015520.15	1668	2224	1968	2159	2193
## ENSG00000136271.11	5758	6433	6168	6602	6970
## ENSG00000158604.15	6693	8682	8022	9046	8394
## ENSG00000287574.1	29	38	28	24	41
## ENSG00000105953.16	7790	8120	8516	8364	8614
## ENSG00000122515.16	5830	6635	6623	6813	8290
## ENSG00000196262.15	82736	103447	95659	107190	116772
## ENSG00000105968.19	13937	16541	16495	15855	16003
## ENSG00000146676.10	4230	5430	5070	4979	4278
## ENSG00000136286.16	6	8	4	16	12
## ENSG00000232956.10	1019	1215	1088	1410	1439
## ENSG00000136280.17	2730	3120	3177	3311	3767
## ENSG00000136274.9	889	662	992	596	962
## ENSG00000136270.14	6413	7160	6450	7902	8659
## ENSG00000206838.1	1	4	1	6	8
## ENSG00000201772.1	10	15	9	18	11
## ENSG00000164742.16	1844	2017	2216	2199	1972
## ENSG00000290107.1	11	10	25	26	16
## ENSG00000291207.1	274	280	303	329	302
## ENSG00000291208.1	113	138	135	162	141
## ENSG00000146678.10	23	22	8	25	25
## ENSG00000146674.16	3144	7466	5166	10324	5874
## ENSG00000233539.5	5	3	4	4	6
## ENSG00000136205.18	9970	9930	11780	10708	10380
## ENSG00000236078.2	20	17	19	12	15
## ENSG00000158683.10	30	48	40	47	20
## ENSG00000225507.1	98	149	136	131	127
## ENSG00000136273.13	1288	1653	1356	1623	1444
## ENSG00000164744.14	7	6	9	13	7
## ENSG00000183696.14	719	862	739	838	1011
## ENSG00000179869.15	77	110	133	146	64
## ENSG00000185811.21	37	25	29	32	34
## ENSG00000132436.13	1446	1704	1617	1500	1471
## ENSG00000290114.1	44	46	44	41	36
## ENSG00000132437.18	3837	3622	4384	3740	3728
## ENSG00000106070.20	9932	13681	12044	15658	11317
## ENSG00000228204.2	10	7	8	13	10
## ENSG00000106078.19	4768	5123	5572	5588	5752
## ENSG00000227344.2	10	10	7	9	7
## ENSG00000170419.11	39	24	57	52	36
## ENSG00000132432.14	3869	5881	5147	5937	6021
## ENSG00000146648.21	5863	9562	7470	9805	7048
## ENSG00000224057.2	124	157	115	158	156
## ENSG00000132434.10	1556	1929	1609	1779	1768
## ENSG00000154978.13	4376	4808	4775	4612	5528
## ENSG00000291029.1	59	72	60	83	71
## ENSG00000176826.16	11	6	7	13	6
## ENSG00000224971.1	7	5	8	10	10
## ENSG00000226278.1	848	1191	1089	1115	1162
## ENSG00000249773.3	5	4	9	5	5

## ENSG00000178665.16	304	358	339	354	255
## ENSG00000146729.10	5131	6711	5631	6355	6121
## ENSG00000239789.6	681	770	735	784	931
## ENSG00000146733.14	5246	6514	5821	6341	6348
## ENSG00000146731.11	31904	38313	37230	35538	37111
## ENSG00000129103.19	7754	9469	8267	8970	9267
## ENSG00000164776.11	15	10	9	16	8
## ENSG00000106153.13	8995	10118	9697	10430	12808
## ENSG00000223559.1	11	6	11	8	9
## ENSG00000213650.3	11	11	19	12	24
## ENSG00000235720.1	2	3	4	6	5
## ENSG00000236976.1	34	30	32	55	50
## ENSG00000234444.10	1420	2068	1916	2034	1463
## ENSG00000287985.1	23	57	41	34	38
## ENSG00000232727.2	18	7	16	20	25
## ENSG00000228653.2	18	23	21	31	20
## ENSG00000173041.12	981	1306	1252	1208	1038
## ENSG00000235349.1	9	2	6	8	3
## ENSG00000213642.3	14	9	9	6	10
## ENSG00000286456.3	643	781	743	651	788
## ENSG00000224669.1	13	9	7	6	7
## ENSG00000287317.1	6	3	7	7	3
## ENSG00000196247.13	2195	2884	2746	2976	2287
## ENSG00000271550.1	13	36	28	27	26
## ENSG00000224172.1	3	6	8	7	9
## ENSG00000197008.10	814	1046	1036	1084	872
## ENSG00000234338.1	88	118	108	103	78
## ENSG00000182722.5	6	5	5	5	6
## ENSG00000213640.3	5	9	2	4	5
## ENSG00000198039.12	880	1237	1033	1111	909
## ENSG00000223476.1	10	19	20	23	13
## ENSG00000270948.1	8	4	6	13	0
## ENSG00000286342.3	13	16	11	21	17
## ENSG00000152926.16	888	1215	1135	1294	864
## ENSG00000213462.5	455	593	516	515	399
## ENSG00000290860.1	26	24	16	21	28
## ENSG00000226002.1	12	15	5	10	13
## ENSG00000290545.1	3	4	5	8	1
## ENSG00000289108.1	33	68	47	64	43
## ENSG00000282381.2	99	108	104	115	95
## ENSG00000232906.1	14	34	34	44	23
## ENSG00000146757.14	1688	2332	2042	2057	1787
## ENSG00000290926.1	95	114	101	110	126
## ENSG00000273024.7	14	16	16	7	10
## ENSG00000291124.1	46	70	70	70	63
## ENSG00000224316.1	6	3	6	4	4
## ENSG00000236529.2	10	8	7	13	12
## ENSG00000196715.7	5972	7639	6643	7366	6610
## ENSG00000169919.17	2112	2566	2421	2714	2807
## ENSG00000229886.1	4	7	5	9	3
## ENSG00000126522.17	1168	1513	1327	1332	1488
## ENSG00000241258.7	1891	2208	1991	2325	2045
## ENSG00000169902.15	1857	3434	2329	3524	2586
## ENSG00000179406.10	141	144	165	188	115

## ENSG00000237310.3	47	63	57	73	85
## ENSG00000234500.1	6	5	8	3	4
## ENSG00000291136.1	589	704	675	749	680
## ENSG00000225573.4	67	71	73	103	148
## ENSG00000243335.10	438	558	566	546	487
## ENSG00000226824.8	37	31	31	50	40
## ENSG00000289015.1	9	6	5	15	6
## ENSG00000154710.18	68	91	78	77	70
## ENSG00000291206.1	9	15	9	18	18
## ENSG00000289177.2	8	14	3	9	3
## ENSG00000232546.1	13	13	13	10	7
## ENSG00000230295.1	14	19	20	19	14
## ENSG00000273142.1	94	123	107	152	117
## ENSG00000106609.16	8153	10710	9482	10294	9750
## ENSG00000126524.12	3870	5270	4238	4797	4224
## ENSG00000198874.14	2237	2849	2625	2785	2505
## ENSG00000291154.1	66	73	83	79	77
## ENSG00000230358.6	17	13	10	6	11
## ENSG00000291153.1	388	386	458	458	458
## ENSG00000273448.1	19	7	15	18	10
## ENSG00000234215.3	4	5	7	5	3
## ENSG00000158321.19	4700	3484	5178	3544	4785
## ENSG00000185274.13	224	83	223	109	190
## ENSG00000183166.12	119	50	135	61	96
## ENSG00000277149.5	99	121	131	129	98
## ENSG00000291152.1	663	850	684	754	684
## ENSG00000196313.13	5355	5939	6116	6053	6383
## ENSG00000289042.1	37	60	43	39	50
## ENSG00000290831.1	10	31	17	25	13
## ENSG00000155428.12	5	5	2	4	6
## ENSG00000290832.1	89	100	88	97	81
## ENSG00000174384.9	6	11	7	7	7
## ENSG00000293241.1	350	446	386	332	361
## ENSG00000205578.6	13	8	17	18	27
## ENSG00000130305.17	1962	2133	2166	2307	2567
## ENSG00000146755.11	27	22	39	15	31
## ENSG00000188763.5	94	83	93	82	113
## ENSG00000009954.11	18827	22500	22378	22930	19654
## ENSG00000106635.8	1905	2313	2237	2548	2564
## ENSG00000106638.18	4355	5644	4978	5745	5707
## ENSG00000009950.16	526	544	644	681	632
## ENSG00000274080.1	6	8	6	14	9
## ENSG00000176428.6	593	535	592	615	838
## ENSG00000176410.8	688	824	727	812	935
## ENSG00000071462.13	3727	4392	4095	4323	4780
## ENSG00000106089.12	744	558	803	589	858
## ENSG00000106077.19	2835	3686	3091	3673	3514
## ENSG00000165215.6	1091	1080	1167	1162	1563
## ENSG00000189143.10	16942	30528	20200	32448	25348
## ENSG00000165171.11	320	396	434	402	431
## ENSG00000049540.19	12	10	14	16	13
## ENSG00000106683.15	7062	7898	7589	7324	9239
## ENSG00000106682.16	29055	37475	35337	36663	38693
## ENSG00000207741.1	4	12	8	12	9

## ENSG00000086730.17	31	29	37	31	34
## ENSG00000049541.11	2789	2720	2939	2821	3286
## ENSG00000106665.16	4198	4605	4584	4714	5309
## ENSG00000006704.11	3439	3841	3775	3850	4098
## ENSG00000263001.8	7711	9633	8920	9180	7908
## ENSG00000232729.8	0	6	9	3	1
## ENSG00000196275.16	13	14	18	25	20
## ENSG00000290833.1	85	113	121	129	124
## ENSG00000123965.13	51	76	60	52	53
## ENSG00000184616.12	85	73	88	55	69
## ENSG00000274070.2	3012	3749	4191	4043	4892
## ENSG00000274523.5	3862	4381	4147	4576	5011
## ENSG00000174428.19	220	266	262	247	238
## ENSG00000290871.1	54	64	61	53	85
## ENSG00000278416.1	10	10	3	5	5
## ENSG00000290951.1	29	44	29	26	25
## ENSG00000178809.12	6	2	12	8	8
## ENSG00000291151.1	60	95	90	141	83
## ENSG00000272391.6	4975	5705	6020	5721	6261
## ENSG00000170092.15	30	27	16	24	9
## ENSG00000291092.1	74	45	66	59	47
## ENSG00000127946.17	11146	12865	12981	12637	11416
## ENSG00000006606.9	9	1	11	10	4
## ENSG00000005486.17	8403	8432	9049	8999	11705
## ENSG00000127948.17	9138	10138	9540	10154	12241
## ENSG00000189077.11	1551	1807	1734	1866	2157
## ENSG00000127952.17	2369	2657	2615	2624	2839
## ENSG00000146701.12	16908	19181	18927	18983	23552
## ENSG00000230882.1	8	4	24	13	2
## ENSG00000177679.16	176	125	229	155	231
## ENSG00000106211.10	3186	2455	3489	2904	4783
## ENSG00000170027.7	38266	46763	45652	46348	43887
## ENSG00000146700.9	839	564	832	600	825
## ENSG00000188372.15	21	27	34	18	20
## ENSG00000091073.20	727	828	938	897	1016
## ENSG00000243566.7	8	5	4	6	3
## ENSG00000290873.1	166	223	183	179	169
## ENSG00000146707.15	365	437	431	409	487
## ENSG00000214243.3	13	6	10	6	17
## ENSG00000265479.7	16	14	9	14	10
## ENSG00000186704.9	10	12	9	6	8
## ENSG00000205482.11	14	24	12	29	22
## ENSG00000291121.1	2	1	6	8	4
## ENSG00000213542.3	12	11	16	14	20
## ENSG00000135205.15	54	65	83	98	56
## ENSG00000250990.1	5	0	2	7	2
## ENSG00000186088.16	146	139	142	138	141
## ENSG00000127947.16	6812	9114	8380	8805	7341
## ENSG00000214293.11	416	495	526	576	525
## ENSG00000187257.16	2359	2730	2831	2657	2225
## ENSG00000135211.6	851	1078	989	1072	1057
## ENSG00000006576.17	1662	2133	2060	2060	1799
## ENSG00000232756.1	7	8	7	9	6
## ENSG00000187391.23	1404	1208	1737	1204	1792

## ENSG00000234456.10	3132	2242	3558	1997	3560
## ENSG00000127955.17	3514	4317	4260	4190	4193
## ENSG00000135218.19	15	33	21	33	34
## ENSG00000075223.14	3037	1452	3326	1392	2285
## ENSG00000019991.18	36	188	134	223	165
## ENSG00000153956.17	5010	7982	6103	6884	4426
## ENSG00000186472.20	301	335	379	441	252
## ENSG00000170381.15	131	76	102	77	97
## ENSG00000075213.11	11562	11643	12618	11298	12738
## ENSG00000229251.3	21	20	15	30	32
## ENSG00000153993.14	2382	3236	2861	3007	2641
## ENSG00000224059.1	9	4	7	4	15
## ENSG00000227785.1	9	5	13	4	4
## ENSG00000198822.11	10	9	18	21	24
## ENSG00000233073.2	6	11	3	5	7
## ENSG00000164659.15	2294	2966	2691	2831	2353
## ENSG00000224046.3	24	41	35	33	31
## ENSG00000135164.19	2269	2959	2773	3205	2368
## ENSG00000135185.12	586	834	732	793	795
## ENSG00000182165.20	717	1260	838	1246	1147
## ENSG00000005469.12	2056	3824	2367	4071	2770
## ENSG00000005471.19	43	62	57	68	60
## ENSG00000085563.15	266	183	670	281	139
## ENSG00000105784.16	16	25	25	36	12
## ENSG00000075303.13	1223	1642	1491	1467	1284
## ENSG00000006634.8	2660	3121	3107	2908	2873
## ENSG00000008277.15	807	952	1004	916	846
## ENSG00000075142.14	8707	10318	9994	10276	10725
## ENSG00000127954.13	10	8	2	8	3
## ENSG00000237709.1	2	4	10	6	7
## ENSG00000182348.7	10	21	15	25	7
## ENSG00000291119.1	5	3	5	4	4
## ENSG00000164647.9	396	685	468	692	522
## ENSG00000157214.14	261	507	338	485	274
## ENSG00000105792.19	144	177	205	208	126
## ENSG00000105793.16	1282	1690	1426	1563	1292
## ENSG00000157224.16	4218	5947	5431	5355	4630
## ENSG00000058091.17	7865	10610	9550	10206	8044
## ENSG00000223969.7	59	111	67	110	80
## ENSG00000157240.4	1088	1224	1208	1093	1314
## ENSG00000127989.14	841	1026	928	912	766
## ENSG00000287672.1	14	11	15	10	9
## ENSG00000127914.19	6683	10209	7677	9965	6674
## ENSG00000001630.18	745	846	778	973	873
## ENSG00000188693.8	4	11	4	15	10
## ENSG00000001631.17	307	450	407	394	309
## ENSG00000001629.10	4226	5482	5348	5859	4240
## ENSG00000157259.8	2572	3262	3028	3425	2822
## ENSG00000244055.2	34	59	51	45	42
## ENSG00000242950.7	6	13	6	5	4
## ENSG00000127980.16	2151	2612	2432	2777	2195
## ENSG00000127993.16	553	725	626	719	630
## ENSG00000234545.8	1532	1966	1773	1902	1627
## ENSG00000105810.10	3460	3879	4635	3764	3491

## ENSG00000237819.7	8	5	11	1	8
## ENSG00000205413.8	65	66	75	87	50
## ENSG00000188175.10	1854	1406	2018	1299	1838
## ENSG00000004766.17	1867	2415	2202	2337	1791
## ENSG00000004948.16	92	63	116	53	85
## ENSG00000237729.2	17	13	17	40	41
## ENSG00000105825.14	880	1322	963	1183	1036
## ENSG00000127920.6	53	143	54	157	121
## ENSG00000278959.1	3	8	7	12	13
## ENSG00000105829.13	1067	1588	1358	1378	1336
## ENSG00000236861.6	5	21	14	11	9
## ENSG00000164692.19	1183	4341	3026	6364	3057
## ENSG00000127995.17	2901	4256	3526	3786	3026
## ENSG00000127990.19	1953	2574	2280	2712	2369
## ENSG00000242265.6	38806	35231	45114	36096	37486
## ENSG00000232385.2	44	36	35	39	53
## ENSG00000158528.12	2661	3758	3282	3681	2651
## ENSG00000005421.9	20	17	15	8	26
## ENSG00000105852.11	16	6	12	12	7
## ENSG00000290101.1	15	5	7	11	4
## ENSG00000105854.13	7375	9887	8023	9536	8334
## ENSG00000004799.8	513	301	536	268	445
## ENSG00000158560.14	151	59	176	61	116
## ENSG00000004864.14	7328	8707	7978	8126	8161
## ENSG00000127922.10	6075	7168	7441	8237	8247
## ENSG00000231764.11	42	14	40	10	30
## ENSG00000006377.11	33	10	30	12	20
## ENSG00000105880.7	101	39	119	42	90
## ENSG00000196636.8	1159	1682	1310	1412	1470
## ENSG00000006128.12	243	363	305	334	387
## ENSG00000070669.17	38	57	44	79	68
## ENSG00000284707.2	49	72	48	57	64
## ENSG00000238228.1	19	23	21	37	13
## ENSG00000183444.10	6	7	6	11	4
## ENSG00000285725.1	72	54	62	72	79
## ENSG00000243554.1	58	58	63	76	50
## ENSG00000164715.6	3133	4284	3865	4518	3611
## ENSG00000180535.4	302	319	315	364	361
## ENSG00000205356.10	998	985	1227	1064	1287
## ENSG00000164713.10	2280	3318	2925	3172	3668
## ENSG00000006453.14	2636	3831	3027	3896	3189
## ENSG00000214389.2	1186	1205	1287	1381	1580
## ENSG00000106236.4	500	290	510	285	619
## ENSG00000166448.15	38	16	34	25	47
## ENSG00000196367.15	8476	11013	9915	11648	9226
## ENSG00000286305.1	7	5	10	7	6
## ENSG00000198742.10	4682	5865	5379	5967	5377
## ENSG00000185467.8	10	10	12	11	12
## ENSG00000284523.2	6	3	4	2	5
## ENSG00000241685.10	1799	2197	2064	1979	2208
## ENSG00000130429.16	281	387	314	355	329
## ENSG00000106244.13	11964	13710	14240	14312	17257
## ENSG00000106245.11	3476	4424	3939	4307	4269
## ENSG00000106246.18	649	798	732	725	779

## ENSG00000160917.15	3230	4316	3769	4321	4665
## ENSG00000228335.1	11	8	8	18	10
## ENSG00000241468.8	5474	6699	5922	6809	7911
## ENSG00000198556.14	335	390	363	455	360
## ENSG00000160908.15	967	1235	1139	1214	1166
## ENSG00000196652.12	3066	3416	3479	3448	3135
## ENSG00000221909.3	945	1273	1044	1053	1104
## ENSG00000197343.11	3407	4515	3898	4420	3572
## ENSG00000272647.3	8	8	6	7	7
## ENSG00000244219.7	20	16	23	28	20
## ENSG00000197037.11	1333	1735	1603	1809	1586
## ENSG00000224448.1	6	6	7	8	5
## ENSG00000106258.16	1359	2947	1542	2786	1638
## ENSG00000146833.16	349	315	494	338	262
## ENSG00000286923.3	5	6	20	7	21
## ENSG00000106261.17	10989	14505	12777	14368	10793
## ENSG00000166529.16	606	748	691	722	709
## ENSG00000166526.19	5780	7594	6715	7855	6662
## ENSG00000168090.10	5467	6387	6116	6229	7384
## ENSG00000166508.19	27996	26824	29224	28950	33933
## ENSG00000207547.1	8	15	25	22	13
## ENSG00000221838.11	1161	1287	1223	1282	1439
## ENSG00000106290.16	3018	3242	3463	3119	3821
## ENSG00000166997.8	878	811	896	880	1055
## ENSG00000214309.5	66	61	52	67	84
## ENSG00000188186.11	3725	4041	3792	4174	5435
## ENSG00000146826.17	854	964	879	984	991
## ENSG00000197093.11	246	377	340	418	338
## ENSG00000213420.8	2385	2398	2820	2758	2645
## ENSG00000066923.19	119	128	124	121	102
## ENSG00000291122.1	1026	1308	1123	1148	1147
## ENSG00000292277.1	40	61	60	83	49
## ENSG00000213413.3	14	19	14	21	7
## ENSG00000291178.1	332	339	370	325	381
## ENSG00000290682.1	44	78	73	93	40
## ENSG00000272752.6	5	11	8	18	12
## ENSG00000121716.21	58	61	78	88	44
## ENSG00000085514.16	11	9	12	9	7
## ENSG00000078487.18	75	106	73	82	57
## ENSG00000146834.15	378	380	373	388	469
## ENSG00000160813.7	322	342	306	410	430
## ENSG00000185955.5	10	4	7	13	7
## ENSG00000166925.9	1539	1671	1525	1712	1994
## ENSG00000166924.9	195	131	210	164	259
## ENSG00000106351.13	305	362	344	449	380
## ENSG00000077454.17	821	820	813	770	867
## ENSG00000106336.13	7	29	24	19	21
## ENSG00000106333.13	486	473	499	470	653
## ENSG00000106330.12	821	856	846	794	1121
## ENSG00000106327.13	38	41	38	45	43
## ENSG00000077080.10	89	23	101	33	88
## ENSG00000172354.10	10971	11974	11757	12066	16254
## ENSG00000146830.11	2236	2683	2610	2836	2601
## ENSG00000172336.5	1760	2037	1920	2107	2611

## ENSG00000130427.3	21	22	22	28	40
## ENSG00000196411.10	13642	16990	14392	16196	18275
## ENSG00000146828.18	1965	2371	2082	2414	2560
## ENSG00000236305.3	11	15	10	17	20
## ENSG00000087077.14	4456	6210	4765	6182	6912
## ENSG00000087087.20	8663	9523	9495	9846	11194
## ENSG00000176125.7	49	82	60	53	85
## ENSG00000087085.16	346	549	419	581	575
## ENSG00000169894.18	561	818	1074	887	651
## ENSG00000205277.10	62	51	43	57	69
## ENSG00000227053.2	6	13	7	14	13
## ENSG00000169871.13	2325	3170	2985	3490	2463
## ENSG00000106366.9	170	444	268	382	312
## ENSG00000106367.15	3917	5713	4307	5690	5923
## ENSG00000264425.1	1	6	6	7	2
## ENSG00000128564.8	179	100	184	108	219
## ENSG00000106397.12	6552	8361	7094	8159	9148
## ENSG00000106400.12	3390	3981	3400	3843	4695
## ENSG00000106404.14	205	239	218	297	231
## ENSG00000214253.9	4453	4967	4444	5324	6576
## ENSG00000288749.2	64	58	78	52	67
## ENSG00000232445.2	466	564	484	503	502
## ENSG00000128581.17	1837	2111	1964	2024	2454
## ENSG00000160963.14	11400	11219	11408	10598	14169
## ENSG00000257923.12	5194	6220	5917	6179	6229
## ENSG00000160999.11	290	230	321	241	414
## ENSG00000260097.3	12	10	12	28	19
## ENSG00000128563.13	1872	2302	1974	2286	2281
## ENSG00000290830.1	2	8	2	6	6
## ENSG00000239480.1	3	6	3	5	3
## ENSG00000160991.17	3764	4167	3909	4027	4885
## ENSG00000160993.4	818	901	871	865	1101
## ENSG00000161036.13	1878	1816	1855	1921	2461
## ENSG00000005075.16	2389	2622	2566	2701	3386
## ENSG00000170667.16	100	79	102	68	92
## ENSG00000168255.20	72	89	82	58	81
## ENSG00000205238.12	8	14	9	11	8
## ENSG00000285437.2	19	12	11	20	11
## ENSG00000279168.3	21	20	31	19	28
## ENSG00000105808.19	66	25	66	23	55
## ENSG00000173678.15	10	6	6	8	3
## ENSG00000228049.8	22	22	22	20	13
## ENSG00000286830.1	73	47	62	35	78
## ENSG00000222011.9	423	419	471	416	448
## ENSG00000213385.3	31	18	23	35	37
## ENSG00000161040.19	190	187	196	149	174
## ENSG00000128606.13	766	540	808	524	828
## ENSG00000170632.14	4165	4567	4418	3958	4374
## ENSG00000233025.1	3	9	2	4	5
## ENSG00000161048.12	861	850	992	837	843
## ENSG00000224415.1	19	10	23	24	33
## ENSG00000289956.1	8	0	7	4	8
## ENSG00000291139.1	24	14	27	14	22
## ENSG00000105819.15	5828	6862	6660	7128	6437

## ENSG00000105821.15	2900	3527	3374	3345	3172
## ENSG00000161057.13	7810	9643	8655	9994	9382
## ENSG00000235354.1	6	4	6	15	12
## ENSG00000189056.15	3928	3856	4617	3382	4817
## ENSG00000164815.11	2033	2283	2042	2339	2157
## ENSG00000187416.13	36	46	36	41	25
## ENSG00000197258.5	242	306	282	297	282
## ENSG00000225329.3	254	253	255	257	175
## ENSG00000005483.23	5330	6846	6582	7255	5375
## ENSG00000228393.6	53	109	94	107	80
## ENSG00000239569.5	52	58	48	50	58
## ENSG00000272918.1	14	35	28	25	30
## ENSG00000135250.17	4934	6256	5883	6081	5432
## ENSG00000244490.1	12	13	23	18	11
## ENSG00000242154.1	4	6	3	8	6
## ENSG00000091127.14	3597	4096	4225	4224	3889
## ENSG00000135249.8	1342	1786	1581	1675	1394
## ENSG00000185055.11	120	183	119	121	141
## ENSG00000272604.1	107	122	118	116	123
## ENSG00000231167.3	78	84	79	81	125
## ENSG00000146776.15	384	488	431	472	408
## ENSG00000226624.1	5	4	5	4	8
## ENSG00000128536.16	252	338	327	315	299
## ENSG00000008282.10	9845	13521	11894	11602	10862
## ENSG00000105835.13	7140	9785	8814	8649	7235
## ENSG00000253276.5	930	1339	1153	1204	1191
## ENSG00000005249.14	1179	1479	1454	1143	1193
## ENSG00000105856.14	2900	4079	3527	4233	3317
## ENSG00000272072.1	10	9	12	11	10
## ENSG00000164597.15	2837	3594	3316	3749	3286
## ENSG00000105865.11	260	373	309	315	314
## ENSG00000288558.3	302	345	325	319	337
## ENSG00000272854.1	3	5	2	6	6
## ENSG00000075790.12	9	33	13	20	14
## ENSG00000238832.1	8	10	9	5	3
## ENSG00000250474.2	14	19	23	22	22
## ENSG00000091137.14	11	11	15	10	4
## ENSG00000241764.5	68	77	89	71	105
## ENSG00000105879.13	5122	6080	5981	5887	5375
## ENSG00000091138.13	2632	3773	2747	3580	2592
## ENSG00000091140.15	8062	10023	9421	9187	8587
## ENSG00000091136.15	74619	104918	87891	106569	83266
## ENSG00000273055.1	22	24	28	25	15
## ENSG00000091128.13	65	13	58	13	47
## ENSG00000091129.22	1315	1074	1585	1244	1296
## ENSG00000135241.17	1792	2441	2052	2376	1905
## ENSG00000231006.1	10	9	9	18	13
## ENSG00000177683.14	2032	2601	2295	2131	2146
## ENSG00000128590.5	2578	3004	2945	2749	2775
## ENSG00000226965.2	32	69	43	69	52
## ENSG00000184903.10	902	1237	1089	1248	1119
## ENSG00000173114.13	87	97	83	126	83
## ENSG00000128512.24	1529	2197	1907	2291	1560
## ENSG00000287011.1	20	24	21	26	14

## ENSG00000198839.10	2578	3089	2878	2782	2593
## ENSG00000226851.1	25	12	23	17	11
## ENSG00000006652.15	523	732	653	711	568
## ENSG00000181016.9	13	13	9	17	13
## ENSG00000146802.13	2148	3160	2629	2872	2492
## ENSG00000164603.12	1669	2276	2056	2121	1962
## ENSG00000164604.14	175	207	204	187	224
## ENSG00000214194.9	2139	2781	2370	2597	2374
## ENSG00000154415.8	2	6	5	3	3
## ENSG00000128573.28	196	195	246	224	268
## ENSG00000135272.13	333	496	469	412	461
## ENSG00000105967.16	3	11	3	7	8
## ENSG00000135269.18	14337	18168	16664	18356	16507
## ENSG00000243243.5	3	1	6	6	1
## ENSG00000105971.15	789	914	957	711	998
## ENSG00000105974.13	211	426	335	334	274
## ENSG00000105976.16	6684	9438	7709	9306	6959
## ENSG00000198898.16	10941	16000	12810	14544	13004
## ENSG00000227199.1	42	46	37	40	41
## ENSG00000004866.22	1474	1906	1575	1778	1758
## ENSG00000105989.10	1	5	7	17	11
## ENSG00000001626.18	2464	3508	3183	4361	2302
## ENSG00000077063.11	442	656	654	846	567
## ENSG00000128534.8	2774	3446	3310	3475	2917
## ENSG00000106013.15	16	21	13	19	15
## ENSG00000184408.10	1488	2531	1662	2094	1792
## ENSG00000106025.9	2459	3816	2866	3308	3022
## ENSG00000071243.16	941	1332	1199	1212	1106
## ENSG00000106034.18	160	174	192	223	166
## ENSG00000002745.13	606	241	546	248	442
## ENSG00000196937.11	6076	7538	7089	7070	6695
## ENSG00000234985.2	6	11	15	3	15
## ENSG00000289578.1	197	101	237	116	104
## ENSG00000106278.12	405	579	525	731	389
## ENSG00000008311.16	2696	2822	3279	2854	2820
## ENSG00000081803.17	462	1063	579	1026	541
## ENSG00000164675.11	48	55	43	49	37
## ENSG00000232524.1	11	11	15	6	20
## ENSG00000128609.16	5615	7580	6541	6041	5796
## ENSG00000106299.8	6801	8946	8379	8259	7261
## ENSG00000272686.1	187	256	220	241	217
## ENSG00000106302.10	8	3	5	5	5
## ENSG00000234224.3	53	162	87	186	69
## ENSG00000242593.8	6	5	3	5	4
## ENSG00000279419.1	4	9	9	11	11
## ENSG00000170775.3	336	468	437	552	456
## ENSG00000128513.16	1428	1621	1658	1643	1472
## ENSG00000224897.9	38	75	57	50	67
## ENSG00000186676.3	16	17	13	18	22
## ENSG00000179603.19	150	86	164	114	211
## ENSG00000048405.11	1244	1620	1410	1579	1290
## ENSG00000279265.1	10	4	8	8	15
## ENSG00000224138.1	24	41	38	39	26
## ENSG00000280347.1	107	141	155	135	100

## ENSG00000179562.3	3307	3881	3766	3698	3733
## ENSG00000004059.11	10882	12001	11168	12262	14771
## ENSG00000106328.10	5	9	7	10	11
## ENSG00000106331.19	792	507	805	530	684
## ENSG00000197157.11	28158	32534	31710	31224	32886
## ENSG00000128594.8	2168	2208	2296	2078	2375
## ENSG00000292309.1	16	8	15	15	13
## ENSG00000106344.8	2634	3195	3129	3341	2908
## ENSG00000224940.10	6	15	13	34	16
## ENSG00000106348.19	4134	3577	4426	3643	5185
## ENSG00000135245.10	1945	2499	2175	2656	2414
## ENSG00000240758.2	8	10	15	12	10
## ENSG00000165055.16	2263	2781	2561	2888	2732
## ENSG00000273270.1	361	432	405	367	441
## ENSG00000242588.7	1401	2028	1873	2455	1501
## ENSG00000213280.2	37	59	42	81	65
## ENSG00000271553.1	9	11	10	13	13
## ENSG00000205085.13	31	48	26	66	28
## ENSG00000271344.1	12	27	10	14	11
## ENSG00000128595.17	31732	45066	37772	45595	36965
## ENSG00000128596.17	479	439	592	530	504
## ENSG00000128591.16	20677	18597	24569	18496	24448
## ENSG00000135253.16	229	230	260	269	290
## ENSG00000128524.5	4553	5458	4675	5957	6584
## ENSG00000272899.4	25	38	31	35	43
## ENSG00000128604.21	96	110	101	123	100
## ENSG00000275106.1	2	6	7	4	10
## ENSG00000064419.14	7331	8477	8401	8842	8157
## ENSG00000244556.1	11	14	21	28	20
## ENSG00000293205.1	43	45	52	53	49
## ENSG00000230626.6	21	24	11	13	21
## ENSG00000158457.6	707	676	836	644	961
## ENSG00000128602.11	7624	8305	7954	8614	9840
## ENSG00000243230.1	10	16	13	26	13
## ENSG00000158467.17	1450	1738	1875	1775	1675
## ENSG00000238072.1	207	262	209	194	211
## ENSG00000128578.10	172	201	260	196	192
## ENSG00000240204.3	40	26	31	38	55
## ENSG00000273329.2	177	201	201	220	167
## ENSG00000106459.15	1405	1599	1681	1737	1702
## ENSG00000186591.13	10646	15100	13308	14196	11429
## ENSG00000091732.17	1924	2049	2125	2214	2291
## ENSG00000128607.14	4336	5357	5475	5638	4826
## ENSG00000146842.17	2363	3280	3089	3036	2673
## ENSG00000240571.1	14	18	21	11	13
## ENSG00000158516.12	449	121	480	94	281
## ENSG00000128510.12	17	20	26	19	29
## ENSG00000091704.10	150	39	172	50	147
## ENSG00000106477.20	1686	1959	1830	2055	1881
## ENSG00000259920.1	30	30	21	23	32
## ENSG00000272701.3	109	131	150	136	137
## ENSG00000106484.16	22205	21666	27310	23424	25641
## ENSG00000158623.14	4406	5363	5075	5410	4895
## ENSG00000270953.1	15	13	21	17	9

## ENSG00000286214.1	192	190	309	209	238
## ENSG00000231721.8	24	27	14	18	17
## ENSG00000128585.18	3932	5275	4796	5396	3748
## ENSG00000233287.1	6	4	6	13	8
## ENSG00000236753.7	75	150	127	156	117
## ENSG00000128567.17	2965	4015	3729	3902	4085
## ENSG00000213261.3	53	60	65	71	108
## ENSG00000236281.1	4	4	2	8	5
## ENSG00000221866.10	29	71	33	90	45
## ENSG00000106554.13	5721	6623	6351	6615	6903
## ENSG00000283041.1	1643	2054	1875	2024	2635
## ENSG00000237821.1	30	28	36	36	44
## ENSG00000131558.15	8158	9589	9290	9710	9027
## ENSG00000155530.4	34	40	35	45	31
## ENSG00000205060.11	5633	7159	6324	6755	6126
## ENSG00000273297.4	21	17	17	12	18
## ENSG00000085662.14	9984	10945	11141	9874	13228
## ENSG00000198074.10	10	18	17	14	20
## ENSG00000227471.9	5	4	13	10	5
## ENSG00000172331.12	2032	2492	2336	2538	2276
## ENSG00000122786.20	101156	116490	112969	96751	100827
## ENSG00000286458.1	9	14	25	15	7
## ENSG00000146856.14	809	1817	1071	1682	1055
## ENSG00000122783.17	2412	3488	2683	3552	2809
## ENSG00000146859.6	1580	2030	1753	2094	1675
## ENSG00000272941.1	11	34	13	34	7
## ENSG00000287733.1	10	23	12	5	10
## ENSG00000105875.15	953	1242	1080	1386	1137
## ENSG00000080802.21	1863	2378	2258	2257	2114
## ENSG00000155561.15	15483	17574	17510	18498	15415
## ENSG00000243317.8	5985	7791	7222	6916	7410
## ENSG00000164707.16	41	58	41	41	45
## ENSG00000105887.11	21359	29260	25698	25146	25239
## ENSG00000231244.1	3	5	2	5	4
## ENSG00000181072.12	8	135	31	234	82
## ENSG00000223657.2	1	3	5	5	9
## ENSG00000105894.13	634	1058	838	1280	786
## ENSG00000157680.17	64	150	92	164	115
## ENSG00000279483.2	421	458	345	385	405
## ENSG00000230383.1	77	90	91	133	167
## ENSG00000182158.16	5343	7121	7027	8018	6178
## ENSG00000122787.15	62	170	105	208	91
## ENSG00000122779.18	10309	12285	11606	12118	10304
## ENSG00000157703.16	34	24	41	35	27
## ENSG00000105929.16	28	12	25	14	16
## ENSG00000122778.10	5874	6954	7224	7104	6715
## ENSG00000146858.8	340	387	499	578	328
## ENSG00000105939.14	4635	5671	5593	5548	4731
## ENSG00000105948.13	1152	1253	1302	1125	1174
## ENSG00000271537.1	3	5	3	9	4
## ENSG00000157741.15	2389	3370	3138	3273	2237
## ENSG00000164898.13	102	118	98	134	135
## ENSG00000146963.18	2348	3032	2646	2812	2634
## ENSG00000273391.1	35	36	24	44	42

## ENSG00000188883.5	94	74	115	103	134
## ENSG00000236279.7	15	16	23	12	34
## ENSG00000254270.1	7	4	8	9	12
## ENSG00000064393.16	19021	24172	23040	23431	19837
## ENSG00000059377.19	207	232	237	243	277
## ENSG00000059378.13	225	305	314	326	169
## ENSG00000006459.11	1072	1566	1413	1512	1220
## ENSG00000260231.2	108	102	101	80	122
## ENSG00000157800.18	3954	5317	4852	5600	4398
## ENSG00000146955.11	67	106	92	104	83
## ENSG00000133606.11	7833	10364	9602	10049	9334
## ENSG00000146966.13	1933	1646	2038	1677	2193
## ENSG00000133597.11	2349	3408	2623	3273	3165
## ENSG00000090266.13	2499	3104	2680	3316	3337
## ENSG00000240889.1	16	33	17	19	22
## ENSG00000157764.14	1975	2950	2468	2998	2084
## ENSG00000090263.16	3218	4286	3499	4202	3816
## ENSG00000261115.7	777	1017	860	952	802
## ENSG00000261570.2	7	4	3	5	5
## ENSG00000006530.18	2482	3172	2913	3370	2972
## ENSG00000244701.1	24	25	31	24	29
## ENSG00000257093.7	6105	7691	7059	7893	6087
## ENSG00000270157.1	120	205	165	226	149
## ENSG00000228775.8	102	117	91	81	81
## ENSG00000214102.7	14	20	20	19	12
## ENSG00000106028.11	8341	10977	9478	10555	11073
## ENSG00000127364.4	11	27	22	36	15
## ENSG00000127366.5	10	8	16	14	7
## ENSG00000257335.8	469	1025	557	1088	498
## ENSG00000257743.9	463	1582	621	1503	453
## ENSG00000204983.15	783	1196	837	1243	957
## ENSG00000275896.7	805	1334	982	1236	1098
## ENSG00000211772.11	68	56	66	51	54
## ENSG00000106123.12	1517	1782	1497	1611	2008
## ENSG00000165125.22	1871	2566	2421	2811	2573
## ENSG00000127412.7	6	29	15	31	10
## ENSG00000165131.8	9	10	13	11	9
## ENSG00000197993.9	888	1262	992	1191	1399
## ENSG00000197448.14	3536	4318	3946	4429	4287
## ENSG00000178826.11	230	223	246	189	246
## ENSG00000106144.20	3578	4473	4551	4658	4586
## ENSG00000239419.3	5	9	6	8	5
## ENSG00000188037.14	14	29	34	23	24
## ENSG00000159784.18	808	1183	1084	1111	1105
## ENSG00000272619.1	5	10	11	3	11
## ENSG00000232533.3	539	801	575	711	783
## ENSG00000159840.16	10402	13300	11576	12524	14908
## ENSG00000146904.9	3208	4617	3571	4540	3852
## ENSG00000229153.7	3	9	7	10	4
## ENSG00000271079.1	7	10	14	10	7
## ENSG00000223459.6	328	392	373	469	329
## ENSG00000170379.21	6	8	6	7	7
## ENSG00000198420.10	6038	8465	7827	8525	6511
## ENSG00000288784.1	45	73	78	78	53

## ENSG00000213214.6	520	896	724	715	641
## ENSG00000244198.7	210	287	277	252	213
## ENSG00000212807.3	4	9	5	4	3
## ENSG00000290816.1	21	28	43	37	24
## ENSG00000243896.4	36	55	50	67	50
## ENSG00000289604.1	4	10	3	6	5
## ENSG00000204959.4	816	1059	930	969	842
## ENSG00000290818.1	20	29	27	22	22
## ENSG00000244479.7	115	169	160	130	109
## ENSG00000221970.4	5	6	1	3	2
## ENSG00000050327.15	1338	1870	1704	1898	1562
## ENSG00000196511.15	272	402	340	325	315
## ENSG00000243746.1	33	50	43	55	75
## ENSG00000225918.1	5	11	6	13	12
## ENSG00000174469.23	3613	4949	4767	5009	4046
## ENSG00000273314.1	178	188	190	166	232
## ENSG00000055130.18	6329	8204	7232	8442	7316
## ENSG00000106462.12	3190	3371	3747	3468	3748
## ENSG00000281189.1	57	48	67	55	61
## ENSG00000155660.11	44157	64848	52573	68573	62058
## ENSG00000197362.15	899	916	913	1028	956
## ENSG00000204947.9	407	487	380	496	486
## ENSG00000197024.9	2172	2532	2480	2517	2474
## ENSG00000239719.1	99	74	81	145	181
## ENSG00000170265.12	3127	3520	3285	3461	3907
## ENSG00000170260.9	992	1103	1146	1137	1313
## ENSG00000204946.10	755	738	935	766	739
## ENSG00000290600.1	18	30	12	40	22
## ENSG00000215311.3	7	2	11	9	12
## ENSG00000196453.8	2411	2593	2520	2520	3174
## ENSG00000181220.18	1972	2434	2287	2526	2587
## ENSG00000291118.1	181	226	260	393	184
## ENSG00000133619.18	715	773	838	804	937
## ENSG00000181444.13	353	375	461	381	507
## ENSG00000197558.14	20	14	19	18	23
## ENSG00000106479.11	499	532	545	605	508
## ENSG00000280149.1	8	18	24	15	18
## ENSG00000273419.1	11	12	3	15	13
## ENSG00000204934.10	146	155	159	195	189
## ENSG00000171130.19	2962	3082	3198	2882	4371
## ENSG00000293476.1	9	16	9	18	17
## ENSG00000127399.15	23	30	18	54	63
## ENSG00000261305.2	13	4	9	4	9
## ENSG00000106538.10	3204	1209	3157	1290	3497
## ENSG00000240449.1	176	240	259	252	248
## ENSG00000214022.12	11651	12098	12291	12647	13979
## ENSG00000196456.13	387	320	431	358	438
## ENSG00000284691.1	281	233	304	256	302
## ENSG00000106565.19	960	588	983	615	836
## ENSG00000002933.9	944	542	932	524	854
## ENSG00000002726.21	516	728	549	659	454
## ENSG00000289052.1	34	38	30	31	28
## ENSG00000055118.17	892	600	975	617	990
## ENSG00000164867.11	184	99	200	121	121

## ENSG00000181652.20	64	44	100	51	70
## ENSG00000197150.13	1706	1775	1722	1796	2229
## ENSG00000213199.8	22	21	27	30	39
## ENSG00000164885.13	1950	2197	2147	2033	2798
## ENSG00000164889.15	7173	8003	7237	7579	9252
## ENSG00000244151.1	5	12	8	12	6
## ENSG00000164896.21	1837	2109	1965	2272	2496
## ENSG00000164897.14	1350	1254	1306	1315	1810
## ENSG00000133612.20	3323	3227	3583	3626	4117
## ENSG00000164900.5	20	12	19	7	13
## ENSG00000033050.9	2448	2473	2429	2488	2945
## ENSG00000033100.17	3504	4626	3812	4717	4603
## ENSG00000082014.17	399	251	349	352	532
## ENSG00000013374.17	3949	4813	4520	4565	4471
## ENSG00000187260.16	751	664	830	650	953
## ENSG00000243836.7	195	197	213	184	168
## ENSG00000127377.10	5	3	7	5	4
## ENSG00000106615.10	5346	6849	6309	6758	6383
## ENSG00000106617.16	1391	1795	1664	1647	1539
## ENSG00000239911.4	37	30	62	15	37
## ENSG00000178234.13	2355	2951	2955	3290	2766
## ENSG00000055609.21	3686	4965	4539	5351	3467
## ENSG00000270405.1	6	8	8	12	9
## ENSG00000204894.4	4	5	8	11	12
## ENSG00000261455.1	174	159	194	164	175
## ENSG00000225416.1	7	13	7	17	23
## ENSG00000196584.4	1042	1280	1319	1315	1158
## ENSG00000133627.18	1801	1822	2046	1837	1995
## ENSG00000234722.5	9	11	4	4	4
## ENSG00000130226.18	1593	1231	1778	1352	1788
## ENSG00000214106.9	163	334	202	273	180
## ENSG00000157212.20	1511	1903	1803	2032	1708
## ENSG00000273344.2	234	297	315	301	310
## ENSG00000273117.1	88	90	84	88	107
## ENSG00000186480.13	2382	2732	2879	2722	2500
## ENSG00000164778.4	6	14	10	6	8
## ENSG00000283128.3	14	17	16	8	13
## ENSG00000216895.9	99	153	129	136	122
## ENSG00000184863.11	3218	4256	4354	4443	3694
## ENSG00000164690.8	5928	4976	6777	4855	6405
## ENSG00000182648.15	267	353	348	322	393
## ENSG00000234450.1	6	1	4	7	6
## ENSG00000105982.17	142	150	170	156	136
## ENSG00000224903.2	22	29	27	33	25
## ENSG00000105983.23	7324	9581	8758	8931	8066
## ENSG00000146909.8	2440	2790	2924	2859	2477
## ENSG00000130675.15	861	708	873	789	1014
## ENSG00000235029.1	11	15	9	22	10
## ENSG00000243479.3	142	122	141	122	128
## ENSG00000009335.19	5708	7845	7246	8792	6444
## ENSG00000225224.1	20	23	16	41	29
## ENSG00000224629.1	3	9	7	10	1
## ENSG00000105993.15	8859	11669	10192	10858	10913
## ENSG00000155093.20	826	267	812	271	612

## ENSG00000233038.7	6	6	17	9	5
## ENSG00000146918.20	3293	3663	3769	3813	3330
## ENSG00000117868.18	4358	5727	5083	5445	4926
## ENSG00000126870.16	1197	1544	1533	1705	1394
## ENSG00000286407.1	4	4	8	10	4
## ENSG00000255464.1	9	5	2	9	4
## ENSG00000292979.1	63	80	72	70	63
## ENSG00000172748.14	232	360	275	287	268
## ENSG00000272812.1	26	39	25	36	17
## ENSG00000272240.1	13	39	27	40	17
## ENSG00000273402.1	5	9	10	10	5
## ENSG00000288985.2	34	31	41	35	36
## ENSG00000182366.11	9	15	13	14	7
## ENSG00000147364.17	3525	4243	4019	4005	4012
## ENSG00000272293.1	44	38	68	75	54
## ENSG00000279852.1	8	21	22	24	16
## ENSG00000180190.13	3076	3661	3616	3522	3527
## ENSG00000104714.14	1222	1368	1451	1580	1419
## ENSG00000198010.13	37	23	34	24	34
## ENSG00000182372.10	1588	2342	2130	2684	2133
## ENSG00000282021.1	11	1	10	6	4
## ENSG00000253982.3	399	411	408	419	496
## ENSG00000104728.16	37	41	49	39	34
## ENSG00000253764.4	10	12	15	19	12
## ENSG00000253696.2	12	5	13	7	13
## ENSG00000176595.4	2455	2963	3083	2819	2807
## ENSG00000270988.1	6	11	5	4	2
## ENSG00000036448.10	46	58	53	71	84
## ENSG00000254319.6	0	5	1	6	9
## ENSG00000254244.1	26	23	32	27	26
## ENSG00000246089.5	522	620	591	659	706
## ENSG00000147316.15	2336	2922	2714	2774	2616
## ENSG00000091879.14	307	449	350	376	296
## ENSG00000271743.1	4	8	11	7	5
## ENSG00000249898.10	87	108	122	126	123
## ENSG00000155189.12	5226	6986	6329	6186	5493
## ENSG00000275591.5	126	83	169	107	143
## ENSG00000245857.4	14	5	15	17	18
## ENSG00000164825.4	6	12	16	24	15
## ENSG00000290357.1	10	12	13	10	15
## ENSG00000215374.6	16	21	29	10	10
## ENSG00000254543.1	4	10	5	7	13
## ENSG00000225725.4	20	15	20	13	15
## ENSG00000284606.1	25	33	37	21	29
## ENSG00000253893.2	35	25	33	21	30
## ENSG00000291049.1	97	125	131	152	124
## ENSG00000291048.1	31	56	42	56	24
## ENSG00000275342.6	4064	5750	4528	5892	5974
## ENSG00000254153.2	15	6	17	13	20
## ENSG00000253958.2	468	600	479	652	642
## ENSG00000147324.11	8678	11856	9754	11211	10450
## ENSG00000293372.1	6	15	7	7	7
## ENSG00000104626.15	2423	3276	2841	2932	2748
## ENSG00000173281.5	2257	2211	2797	2291	2192

## ENSG00000248538.10	38	50	41	67	45
## ENSG00000173273.17	6589	8566	8047	8523	6979
## ENSG00000253230.11	5	2	10	9	3
## ENSG00000286622.1	6	8	3	7	11
## ENSG00000175806.15	342	333	305	310	443
## ENSG00000272505.1	3	6	2	11	5
## ENSG00000183638.6	15	7	7	5	8
## ENSG00000171056.8	23	27	27	46	45
## ENSG00000248896.3	15	13	19	19	20
## ENSG00000254093.9	1014	1111	1020	1020	1151
## ENSG00000280294.1	44	69	59	101	77
## ENSG00000171044.11	262	341	301	291	292
## ENSG00000269918.1	140	261	221	244	225
## ENSG00000255310.2	423	626	494	519	417
## ENSG00000270076.1	24	39	17	28	23
## ENSG00000280273.2	13	13	19	21	30
## ENSG00000104643.10	2196	3129	2643	2954	2425
## ENSG00000246477.3	5	19	12	20	18
## ENSG00000255020.1	8	3	4	8	5
## ENSG00000154319.16	866	603	1021	572	879
## ENSG00000136573.16	2	6	2	3	6
## ENSG00000269954.2	3	5	5	8	3
## ENSG00000286985.2	15	9	11	4	10
## ENSG00000136574.19	12436	13680	13989	14056	15477
## ENSG00000154328.16	654	712	813	647	751
## ENSG00000227203.3	3	7	8	3	18
## ENSG00000079459.14	24663	31594	28758	30163	31190
## ENSG00000255046.1	10	9	9	10	10
## ENSG00000164733.23	24507	30317	27390	28959	31227
## ENSG00000255052.5	43	66	44	79	71
## ENSG00000205879.5	8	5	5	8	5
## ENSG00000249889.1	8	5	12	9	6
## ENSG00000186523.15	413	440	533	480	533
## ENSG00000227888.4	33	29	28	42	32
## ENSG00000251402.3	14	12	16	15	14
## ENSG00000145002.13	195	213	219	206	240
## ENSG00000283674.4	78	146	118	158	103
## ENSG00000242607.1	7	21	17	18	19
## ENSG00000255122.1	15	14	8	15	11
## ENSG00000154359.13	1699	2159	2101	2301	1734
## ENSG00000250305.9	303	438	451	411	334
## ENSG00000251468.2	4	6	4	5	5
## ENSG00000164741.15	2596	2996	3021	2903	2805
## ENSG00000164743.5	122	158	142	154	160
## ENSG00000214366.4	6	6	0	3	5
## ENSG00000104723.21	8166	12055	9971	11419	10232
## ENSG00000250483.1	10	11	12	11	18
## ENSG00000038945.15	25	33	28	42	20
## ENSG00000078579.9	16	4	11	6	10
## ENSG00000155970.12	148	182	219	148	163
## ENSG00000104219.13	1881	2591	2433	2175	2179
## ENSG00000198791.12	13734	16971	14620	14864	14482
## ENSG00000155975.10	2302	3005	2709	2850	2538
## ENSG00000003987.14	552	452	541	405	432

## ENSG00000003989.18	18068	23959	20881	22865	17758
## ENSG00000104213.13	280	352	320	374	326
## ENSG00000129422.15	13461	15113	14340	16228	13383
## ENSG00000253944.1	6	5	4	5	5
## ENSG00000253671.3	66	84	70	90	71
## ENSG00000104760.17	2	6	17	18	6
## ENSG00000078674.20	15236	17557	17935	17227	15424
## ENSG00000104763.20	9157	12437	10796	11411	10480
## ENSG00000245281.9	37	51	35	49	49
## ENSG00000171428.15	825	1341	899	1132	808
## ENSG00000156006.5	53	102	66	97	53
## ENSG00000156011.19	3956	5274	5230	5639	4016
## ENSG00000104611.12	1439	1695	1547	1754	1597
## ENSG00000147408.16	1838	1819	2053	1511	1961
## ENSG00000104613.12	3527	4295	4252	4383	4239
## ENSG00000175445.17	61	62	93	90	98
## ENSG00000036565.15	611	655	701	714	688
## ENSG00000147416.11	7015	8413	8064	8912	8254
## ENSG00000061337.16	666	688	718	637	655
## ENSG00000168546.11	53	27	63	19	45
## ENSG00000130227.17	13519	15979	15270	16324	14828
## ENSG00000158806.14	222	174	238	186	277
## ENSG00000158856.19	775	959	927	905	1156
## ENSG00000158863.22	1781	1960	1951	2027	2095
## ENSG00000275074.2	467	540	488	539	747
## ENSG00000168453.16	100	75	113	85	117
## ENSG00000168476.12	2481	2785	2810	3065	3786
## ENSG00000168481.9	52	33	62	29	62
## ENSG00000168487.20	4669	5774	4980	5607	6454
## ENSG00000168490.14	64	52	77	45	69
## ENSG00000168495.13	3763	4252	4132	4259	4439
## ENSG00000254064.1	20	29	35	13	18
## ENSG00000197181.12	19	23	30	22	25
## ENSG00000104635.15	18121	23159	20906	23828	20882
## ENSG00000120910.15	593	624	668	609	616
## ENSG00000251034.2	29	28	30	25	33
## ENSG00000120896.14	3031	3115	3430	3036	4394
## ENSG00000120913.24	255	182	245	255	383
## ENSG00000241852.11	367	342	372	371	423
## ENSG00000158941.17	10889	12073	11714	12447	13226
## ENSG00000253200.1	54	48	39	74	58
## ENSG00000147439.14	1245	1431	1349	1493	1517
## ENSG00000179388.9	171	158	213	137	202
## ENSG00000245025.3	56	84	44	67	66
## ENSG00000008853.18	997	1088	1179	1100	1333
## ENSG00000120889.13	20373	33254	24149	33788	28538
## ENSG00000246130.1	7	21	18	14	18
## ENSG00000253616.5	11	17	14	12	15
## ENSG00000284948.1	7	12	8	5	12
## ENSG00000173535.15	1366	2208	1482	2330	1969
## ENSG00000173530.6	5340	8924	6005	9266	8164
## ENSG00000253930.1	91	212	117	149	105
## ENSG00000104689.10	758	1365	921	1439	1125
## ENSG00000246582.3	65	108	80	102	103

## ENSG00000147457.14	3596	4055	3886	4089	4157
## ENSG00000289584.1	12	11	5	13	18
## ENSG00000104679.12	2028	2336	2195	2063	2699
## ENSG00000134013.16	1301	1436	1596	1480	1802
## ENSG00000253837.1	6	5	11	4	6
## ENSG00000197217.13	5858	7410	6867	7443	6370
## ENSG00000253390.1	13	35	29	19	24
## ENSG00000253483.1	10	6	12	14	8
## ENSG00000287166.1	16	21	30	18	25
## ENSG00000147454.14	8525	11581	10232	12775	8954
## ENSG00000167034.10	357	473	454	451	462
## ENSG00000159167.12	2281	2925	2913	3244	3574
## ENSG00000042980.14	28	40	51	49	40
## ENSG00000272163.2	150	71	127	51	116
## ENSG00000104722.14	12033	5053	13920	4449	12276
## ENSG00000277586.4	6221	3683	6235	3167	7214
## ENSG00000272157.2	11	6	11	11	24
## ENSG00000147459.18	1496	1468	1891	1626	1226
## ENSG00000147437.10	19	19	16	16	15
## ENSG00000253476.1	8	4	2	6	2
## ENSG00000104756.17	1944	2619	2220	2419	1968
## ENSG00000184661.14	2507	2789	2906	2746	2636
## ENSG00000289357.1	109	164	126	115	113
## ENSG00000221818.9	21	29	25	43	16
## ENSG00000221914.11	7134	9750	8552	9479	8737
## ENSG00000293314.1	25	34	36	30	40
## ENSG00000104765.16	5511	7091	6927	6781	6365
## ENSG00000240694.9	1138	926	1571	939	1176
## ENSG00000092964.18	10609	12806	13333	13263	14007
## ENSG00000253899.1	0	9	5	10	10
## ENSG00000015592.17	198	87	253	126	217
## ENSG00000104228.13	1890	2667	2263	2757	2548
## ENSG00000120899.18	587	741	682	825	558
## ENSG00000120903.13	26	25	38	20	31
## ENSG00000120915.14	3326	4611	3830	4362	4088
## ENSG00000120885.22	19828	32385	23829	29595	32042
## ENSG00000168077.14	2889	3223	3109	3342	3543
## ENSG00000147419.19	5651	7192	6544	6981	6542
## ENSG00000171320.15	1514	1969	1798	1758	1633
## ENSG00000168078.10	2016	2530	2304	2319	2202
## ENSG00000189233.12	2	8	8	6	3
## ENSG00000134014.18	3345	3712	3739	3782	3772
## ENSG00000239198.1	1	9	11	16	5
## ENSG00000168081.9	20	5	15	7	13
## ENSG00000186918.14	2515	2718	3032	2942	3066
## ENSG00000214050.8	454	557	521	561	480
## ENSG00000104290.11	4873	6287	5777	5476	5016
## ENSG00000012232.10	9026	9891	9952	10174	10276
## ENSG00000246339.6	3	7	7	3	2
## ENSG00000104299.15	2242	2529	2539	2549	2716
## ENSG00000254034.2	4	9	3	8	6
## ENSG00000147421.18	692	882	864	972	648
## ENSG00000259366.3	79	162	163	216	86
## ENSG00000197892.13	3713	5032	4301	5040	3892

## ENSG00000288735.2	15	27	21	27	36
## ENSG00000120875.9	11847	17888	13834	18890	15987
## ENSG00000285601.1	15	23	23	25	24
## ENSG00000260253.1	5	1	5	4	7
## ENSG00000251191.8	12	22	27	24	17
## ENSG00000248964.7	5	5	3	10	3
## ENSG00000133872.14	13322	17162	15674	16233	15772
## ENSG00000272256.1	4	2	3	5	9
## ENSG00000289334.1	5	7	3	11	10
## ENSG00000104660.19	5224	7184	6347	6564	6626
## ENSG00000241511.1	6	9	5	9	12
## ENSG00000177669.4	103	177	93	171	125
## ENSG00000271869.2	46	44	33	42	57
## ENSG00000104671.8	1296	1809	1500	1683	1536
## ENSG00000285669.1	63	81	65	82	66
## ENSG00000272375.1	8	15	11	28	14
## ENSG00000248159.1	9	10	13	14	17
## ENSG00000293293.1	32	26	36	26	63
## ENSG00000254109.6	35	44	45	56	40
## ENSG00000157110.16	4942	6398	5827	6438	6521
## ENSG00000279041.1	149	245	154	247	123
## ENSG00000197265.9	3556	4295	4005	4186	4128
## ENSG00000104687.14	5994	7296	7590	8070	6941
## ENSG00000104691.16	809	956	960	980	895
## ENSG00000104695.13	6328	7934	7445	7627	7436
## ENSG00000133863.9	139	149	175	188	131
## ENSG00000172733.12	199	234	227	260	238
## ENSG00000165392.11	2469	3151	3066	3422	2551
## ENSG00000157168.22	2445	2017	2680	2002	2639
## ENSG00000247134.8	1152	1605	1366	1580	1292
## ENSG00000272338.2	62	82	78	61	81
## ENSG00000172728.16	1995	2426	2204	2335	2169
## ENSG00000129696.13	1312	1410	1431	1454	1524
## ENSG00000198042.11	2556	2908	2847	3102	2537
## ENSG00000133874.2	1658	2038	1902	1950	2391
## ENSG00000133878.9	194	65	176	83	154
## ENSG00000188512.6	8	15	22	28	18
## ENSG00000243181.2	109	131	92	86	113
## ENSG00000156687.11	188	196	225	232	219
## ENSG00000232024.2	138	149	145	135	137
## ENSG00000253123.4	7	10	12	10	13
## ENSG00000253746.1	7	9	5	5	6
## ENSG00000253161.7	14	20	7	19	12
## ENSG00000253414.4	19	16	8	24	20
## ENSG00000254290.3	76	97	98	91	83
## ENSG00000183779.7	6475	9459	7740	8885	10399
## ENSG00000147475.17	7622	10950	9103	10651	9053
## ENSG00000233170.4	36	47	42	43	57
## ENSG00000147471.12	4996	6047	5749	5704	5755
## ENSG0000020181.18	258	351	381	439	411
## ENSG00000104221.13	516	677	642	766	715
## ENSG00000156675.16	13882	19169	16266	18904	13249
## ENSG00000187840.5	5330	5112	5354	5554	7486
## ENSG00000260949.1	20	23	31	15	18

## ENSG00000286677.1	6	6	5	3	10
## ENSG00000129691.16	5579	7365	6686	7481	6809
## ENSG00000147465.12	1057	794	1186	685	1132
## ENSG00000175324.10	1172	1500	1321	1434	1395
## ENSG00000156735.11	3491	4748	4331	4092	3902
## ENSG00000285632.1	6	14	12	13	13
## ENSG00000085788.14	4660	5307	5372	5376	4737
## ENSG00000147535.17	1314	1456	1512	1707	1544
## ENSG00000147548.17	6820	8704	8480	8885	7002
## ENSG00000272092.1	18	19	18	29	19
## ENSG00000165046.13	123	137	146	171	178
## ENSG00000077782.23	10501	11254	12225	11712	12587
## ENSG00000293142.1	15	29	10	15	8
## ENSG00000253361.3	15	11	10	14	11
## ENSG00000253570.1	198	314	206	263	308
## ENSG00000147526.20	13110	25357	16800	25380	15880
## ENSG00000169499.15	294	213	347	219	317
## ENSG00000169495.5	17	38	9	22	19
## ENSG00000169490.17	3841	4260	4419	4078	4454
## ENSG00000168615.13	18213	24757	23189	23086	19960
## ENSG00000197140.15	16	16	16	21	12
## ENSG00000243095.1	8	8	3	3	7
## ENSG00000176907.5	297	913	457	930	421
## ENSG00000165061.15	55	60	38	60	67
## ENSG00000104332.12	5684	11103	6635	10062	7591
## ENSG00000147533.19	1317	1831	1604	1793	1606
## ENSG00000253133.2	5	0	2	7	2
## ENSG00000147536.12	2053	2201	2256	2274	2181
## ENSG00000253174.2	14	10	7	4	15
## ENSG00000287535.1	1	6	0	0	5
## ENSG00000158669.11	7938	9342	8660	9131	8832
## ENSG00000165066.13	33	20	21	12	35
## ENSG00000029534.22	736	765	801	732	955
## ENSG00000260588.1	39	44	64	46	49
## ENSG00000083168.11	5956	7453	6762	7424	6115
## ENSG00000070718.13	1781	2262	2204	2508	2114
## ENSG00000104368.19	176	692	363	1352	937
## ENSG00000104365.16	1690	1922	1870	2194	2069
## ENSG00000070501.12	3138	3905	3370	3640	3599
## ENSG00000240395.1	22	26	28	33	46
## ENSG00000078668.14	11898	13545	12551	13293	13878
## ENSG00000168575.10	7351	9433	8600	9188	8349
## ENSG00000254165.1	5	4	9	4	2
## ENSG00000176209.12	1107	1344	1239	1311	1270
## ENSG00000147432.7	7	9	8	10	7
## ENSG00000255101.1	1	2	3	7	5
## ENSG00000131931.8	640	947	742	741	731
## ENSG00000120925.16	2094	2916	2413	2793	2279
## ENSG00000168172.9	5452	8422	7123	8500	5210
## ENSG00000168522.13	3511	4314	3985	4119	3794
## ENSG00000185900.11	2957	4435	3982	4198	4216
## ENSG00000165102.15	5443	7495	6239	7508	6607
## ENSG00000215179.5	0	11	4	7	8
## ENSG00000188873.4	23	23	30	30	46

## ENSG00000255366.1	10	2	9	7	10
## ENSG00000164808.17	3152	3471	3650	3600	3483
## ENSG00000253330.1	6	10	10	10	13
## ENSG00000221869.5	727	664	732	813	1057
## ENSG00000253729.9	33117	40891	39036	40234	33207
## ENSG00000104738.19	11229	12704	13390	13110	12966
## ENSG00000169139.12	5427	7236	6592	6450	6403
## ENSG00000224594.2	7	2	8	6	4
## ENSG00000034239.11	88	91	119	76	98
## ENSG00000019549.13	54	149	100	158	109
## ENSG00000253474.2	5	10	7	11	6
## ENSG00000147481.17	4	10	4	7	6
## ENSG00000147485.13	8	10	6	8	6
## ENSG00000168300.14	1726	2368	2304	2291	1732
## ENSG00000228801.8	565	733	734	770	635
## ENSG00000272024.1	25	19	27	38	36
## ENSG00000253844.2	6	0	2	4	12
## ENSG00000147488.13	294	128	366	107	183
## ENSG00000196711.9	50	64	74	47	67
## ENSG00000023287.13	7806	10962	9766	10755	7935
## ENSG00000288818.1	55	74	55	64	55
## ENSG00000271555.1	7	7	4	5	8
## ENSG00000288611.1	186	181	182	131	247
## ENSG00000082556.14	772	474	887	447	520
## ENSG00000253369.4	5	3	3	5	5
## ENSG00000047249.18	3842	5424	4678	5474	4928
## ENSG00000147509.14	190	233	157	199	212
## ENSG00000187735.16	13119	16905	15515	14831	14544
## ENSG00000253667.2	4	18	7	11	13
## ENSG00000120992.18	10839	15727	12574	11403	12713
## ENSG00000137547.9	4412	5074	4516	4830	5010
## ENSG00000164736.6	133	68	180	100	166
## ENSG00000104237.11	9	2	3	9	6
## ENSG00000226098.4	5	12	3	5	13
## ENSG00000206579.10	132	138	131	89	116
## ENSG00000167904.16	2167	3277	2552	3079	2571
## ENSG00000137574.11	3938	4509	4501	4615	4244
## ENSG00000254087.8	2199	2521	2325	2391	2424
## ENSG00000236814.1	39	38	28	42	57
## ENSG00000008988.11	52678	61769	58022	62274	68218
## ENSG00000248578.1	15	13	10	20	30
## ENSG00000181690.8	777	1158	1043	1052	790
## ENSG00000170791.18	2640	3568	3195	3607	3365
## ENSG00000272343.1	33	57	41	37	47
## ENSG00000170786.13	18	20	12	27	21
## ENSG00000181195.11	739	1396	817	1468	1370
## ENSG00000254254.7	30	45	36	36	50
## ENSG00000253541.1	4	7	4	3	5
## ENSG00000104331.9	12975	19300	15479	17475	14781
## ENSG00000169122.12	1255	1633	1337	1520	1510
## ENSG00000215114.10	3329	4828	4238	4731	4092
## ENSG00000137575.12	14488	18107	16662	16598	16278
## ENSG00000035681.9	2210	2827	2410	2724	2385
## ENSG00000242970.2	2	2	7	11	14

## ENSG00000198846.6	563	437	639	438	541
## ENSG00000167912.8	191	173	191	166	215
## ENSG00000178538.10	345	310	419	260	286
## ENSG00000251396.9	38	39	38	34	42
## ENSG00000104388.15	8903	11941	10374	9876	10355
## ENSG00000171316.14	11762	14084	14116	13850	12094
## ENSG00000255397.1	21	24	20	27	26
## ENSG00000177182.11	52	40	70	34	55
## ENSG00000213881.3	61	96	86	60	90
## ENSG00000198363.18	42546	62625	52585	61287	46175
## ENSG00000254285.3	2734	3529	2916	3084	4335
## ENSG00000222898.1	6	17	8	7	9
## ENSG00000285971.1	15	6	11	10	18
## ENSG00000185942.13	1783	1769	2031	1717	1722
## ENSG00000253431.1	7	6	9	7	11
## ENSG00000137563.13	4447	6173	5321	6236	5480
## ENSG00000137561.5	42	43	57	57	45
## ENSG00000270673.2	37	39	24	36	66
## ENSG00000185728.17	9811	13644	11988	12617	10302
## ENSG00000261542.1	35	49	37	35	50
## ENSG00000253554.7	5	9	15	6	4
## ENSG00000254377.8	16	3	24	7	12
## ENSG00000180828.3	45	14	54	17	33
## ENSG00000172817.4	596	738	633	731	580
## ENSG00000272010.1	13	13	8	7	7
## ENSG00000200714.1	5	8	4	6	3
## ENSG00000104442.10	4464	5327	4881	4737	4572
## ENSG00000066855.16	3694	3969	4420	3495	3609
## ENSG00000205268.11	3913	4962	4603	4915	4144
## ENSG00000272192.2	24	21	25	24	30
## ENSG00000147570.10	23	29	25	23	16
## ENSG00000147573.17	7	14	10	25	23
## ENSG00000147571.5	21	12	27	12	21
## ENSG00000179041.4	2734	2945	2969	2818	3138
## ENSG00000147576.17	14	26	23	16	19
## ENSG00000185697.17	113	147	148	119	117
## ENSG00000175073.8	1873	2570	2352	2319	1915
## ENSG00000288596.2	112	158	161	160	162
## ENSG00000104205.16	117	103	104	100	110
## ENSG00000178460.18	31	35	29	39	27
## ENSG00000245910.9	1961	2695	2331	2721	2711
## ENSG00000261787.2	21	23	27	25	20
## ENSG00000178125.15	8	6	5	17	11
## ENSG00000253223.1	5	4	5	8	5
## ENSG00000121022.14	3506	4111	3675	4039	3990
## ENSG00000104218.16	1264	1446	1462	1632	1261
## ENSG00000066777.9	4656	6069	5716	6449	4495
## ENSG00000271966.1	23	21	16	12	18
## ENSG00000046889.19	527	594	652	666	492
## ENSG00000248801.7	120	166	162	172	134
## ENSG00000165084.16	222	325	288	305	262
## ENSG00000254332.1	240	257	244	282	249
## ENSG00000137573.14	79	278	125	321	240
## ENSG00000137571.11	1588	1946	2007	2074	1760

## ENSG00000246528.4	62	76	87	60	71
## ENSG00000277740.1	6	4	5	10	5
## ENSG00000253721.1	11	5	5	9	10
## ENSG00000147596.4	33	43	31	33	61
## ENSG00000253173.3	7	4	3	6	8
## ENSG00000140396.13	3558	4529	4252	4074	3652
## ENSG00000288966.1	4	8	6	9	11
## ENSG00000067167.8	12380	18660	14397	14129	14225
## ENSG00000246366.7	4	8	5	7	8
## ENSG00000147592.9	470	581	523	557	497
## ENSG00000221947.8	19	20	24	12	14
## ENSG00000104313.20	13	28	16	41	16
## ENSG00000178860.9	10	4	10	6	13
## ENSG00000104321.11	96	100	126	91	107
## ENSG00000250979.1	4	6	5	4	2
## ENSG00000182674.6	276	148	341	152	189
## ENSG00000260838.3	162	99	179	97	146
## ENSG00000147601.15	5790	6998	6582	6236	6757
## ENSG00000253636.1	71	48	69	101	68
## ENSG00000164764.11	697	909	954	972	819
## ENSG00000274443.5	1	12	6	8	12
## ENSG00000147604.14	119400	143005	138362	145723	149287
## ENSG00000121039.10	1306	1930	1823	2064	1933
## ENSG00000253302.1	2	5	5	8	2
## ENSG00000040341.18	4071	5143	4776	4559	4537
## ENSG00000104343.21	1983	2855	2557	2440	2245
## ENSG00000154582.18	4266	5505	4963	5574	5422
## ENSG00000175606.11	1331	1805	1611	1766	1703
## ENSG00000253833.1	10	3	9	6	6
## ENSG00000104369.5	333	415	391	371	335
## ENSG00000104381.14	1710	1548	1905	1275	1583
## ENSG00000253341.1	71	85	103	93	141
## ENSG00000253706.5	28	38	28	31	27
## ENSG00000254043.1	2	5	7	2	6
## ENSG00000121005.9	2444	2401	2794	2285	2598
## ENSG00000249395.4	113	213	135	147	137
## ENSG00000164749.13	1593	2476	2102	2711	1861
## ENSG00000287352.1	23	29	27	46	35
## ENSG00000091656.19	137	186	170	256	197
## ENSG00000164751.15	1922	2312	2112	2207	2215
## ENSG00000288756.2	9	8	6	14	10
## ENSG00000171033.13	3040	4102	3561	3451	3730
## ENSG00000260398.1	38	24	31	40	36
## ENSG00000286675.1	5	5	6	3	10
## ENSG00000104427.13	1027	1466	1312	1227	1016
## ENSG00000104432.15	3	7	4	4	6
## ENSG00000254352.1	6	3	5	0	2
## ENSG00000253919.1	10	7	18	18	7
## ENSG00000240540.2	21	18	24	21	31
## ENSG00000104435.14	17399	5806	17777	5211	9056
## ENSG00000164683.19	121	94	122	95	94
## ENSG00000272138.3	11	11	24	12	10
## ENSG00000147586.10	739	1053	786	954	948
## ENSG00000276418.5	8	8	13	12	8

## ENSG00000272518.1	22	33	24	46	30
## ENSG00000272264.1	18	38	24	32	22
## ENSG00000076554.16	8058	10672	10123	8355	9118
## ENSG00000241746.1	11	8	6	15	14
## ENSG00000251867.4	31	50	37	38	37
## ENSG00000205189.13	8620	12520	10736	9942	8892
## ENSG00000254162.1	50	81	71	76	79
## ENSG00000260317.1	76	138	81	79	152
## ENSG00000188856.6	62	102	72	90	116
## ENSG00000164684.13	2007	2439	2519	2485	2014
## ENSG00000254331.1	5	14	6	12	19
## ENSG00000076641.4	300	475	381	433	287
## ENSG00000272425.1	3	16	4	9	15
## ENSG00000254027.1	21	16	17	15	34
## ENSG00000164687.11	5076	5572	5896	6116	5605
## ENSG00000237264.4	23	24	31	23	39
## ENSG00000251521.3	8	4	4	5	4
## ENSG00000133731.10	1819	2471	2386	2216	2124
## ENSG00000253598.3	22	29	33	27	17
## ENSG00000280193.1	50	67	72	65	46
## ENSG00000104231.11	1988	2651	2321	2544	1959
## ENSG00000164695.5	807	1229	911	1263	953
## ENSG00000104497.15	554	878	666	711	591
## ENSG00000254689.3	5	3	4	6	10
## ENSG00000206228.4	60	72	77	116	135
## ENSG00000253503.6	29	9	19	6	9
## ENSG00000254202.2	12	6	15	13	10
## ENSG00000184672.12	66	135	89	120	120
## ENSG00000133739.16	1630	1661	1756	1698	1522
## ENSG00000133740.11	4426	5577	4904	5318	5189
## ENSG00000254208.1	5	5	2	0	5
## ENSG00000176731.12	1311	1745	1440	1724	1772
## ENSG00000185015.8	443	478	571	493	404
## ENSG00000164879.7	67	60	86	40	64
## ENSG00000253549.6	117	141	135	138	126
## ENSG00000104267.10	6194	8627	7278	9663	8660
## ENSG00000253154.4	4	2	10	2	7
## ENSG00000147614.4	17	40	14	22	17
## ENSG00000254231.3	7	25	15	17	19
## ENSG00000123124.14	3286	4590	4111	4385	3591
## ENSG00000176623.12	1867	2267	2149	2205	1946
## ENSG00000250569.1	1	6	5	3	5
## ENSG00000085719.13	9958	13088	11560	12024	10951
## ENSG00000156103.16	3122	7427	3950	7225	3997
## ENSG00000253553.9	51	86	65	75	50
## ENSG00000286984.1	5	10	12	6	5
## ENSG00000251136.11	443	674	584	634	475
## ENSG00000104312.8	2196	2780	2388	2563	2318
## ENSG00000164823.11	1378	1891	1684	1573	1528
## ENSG00000104320.15	3647	4963	4313	4545	3742
## ENSG00000104325.7	7351	11727	8436	10538	8817
## ENSG00000104327.7	2951	7076	3208	5835	3107
## ENSG00000254180.2	12	13	11	12	7
## ENSG00000253394.7	1	9	6	18	11

## ENSG00000180694.14	4007	7205	4980	6605	5012
## ENSG00000246792.3	14	32	25	30	26
## ENSG00000123119.12	200	594	228	498	220
## ENSG00000253250.3	14	33	27	17	38
## ENSG00000155099.8	433	673	568	634	562
## ENSG00000253738.3	1250	1638	1495	1490	1318
## ENSG00000155100.11	1107	1493	1421	1333	1243
## ENSG00000214954.9	34	45	37	45	46
## ENSG00000147606.9	7	27	17	36	16
## ENSG00000079102.18	243	210	356	225	245
## ENSG00000248858.7	4	12	4	5	0
## ENSG00000205133.12	1713	2571	2188	2130	1786
## ENSG00000246662.6	35	21	26	21	23
## ENSG00000188343.14	2271	2861	2620	2691	2837
## ENSG00000271971.1	22	41	33	36	34
## ENSG00000253854.1	52	73	43	68	44
## ENSG00000183808.12	1993	2785	2309	2507	1908
## ENSG00000279331.1	24	43	44	35	21
## ENSG00000164953.17	1076	1295	1219	1295	1131
## ENSG00000164951.16	1638	2609	2008	2443	1644
## ENSG00000240509.1	37	32	33	41	47
## ENSG00000079112.10	7492	16704	8459	16469	9154
## ENSG00000164949.8	309	638	396	691	461
## ENSG00000197275.14	458	558	537	611	447
## ENSG00000265817.4	524	798	882	770	613
## ENSG00000164944.12	7433	8790	8404	8819	7611
## ENSG00000253704.4	18	23	29	20	21
## ENSG00000261437.1	36	51	35	65	32
## ENSG00000104413.18	9935	14649	12035	14128	10173
## ENSG00000156162.16	2775	4012	3548	3702	2843
## ENSG00000164941.14	5500	6663	6195	6267	5614
## ENSG00000175305.18	227	197	230	212	214
## ENSG00000272509.1	9	8	6	2	6
## ENSG00000156170.14	747	884	875	833	906
## ENSG00000164938.14	6714	11150	8762	10588	7280
## ENSG00000175895.5	702	978	863	826	801
## ENSG00000253773.6	8	1	8	15	10
## ENSG00000156172.6	228	255	267	258	255
## ENSG00000253945.1	8	5	6	15	12
## ENSG00000156466.11	95	276	147	407	302
## ENSG00000156467.10	10864	13816	12830	14023	13570
## ENSG00000254224.2	6	8	7	2	3
## ENSG00000156469.9	1607	1818	1825	1911	1725
## ENSG00000156471.13	7976	9429	8948	8924	9553
## ENSG00000169439.12	5716	6950	6983	7177	7585
## ENSG00000104324.16	413	462	529	512	469
## ENSG00000180543.5	3298	3883	4065	4313	3684
## ENSG00000213750.4	7	3	3	7	10
## ENSG00000147649.10	9832	12768	11631	11904	10648
## ENSG00000202399.1	8	7	6	5	5
## ENSG00000104341.17	40661	53050	47088	50417	55530
## ENSG00000243504.1	2	10	0	5	7
## ENSG00000132561.14	4588	3019	4738	3123	4499
## ENSG00000156482.11	36172	42853	41252	47285	49210

## ENSG00000245970.2	35	45	37	36	50
## ENSG00000288752.2	37	40	51	46	46
## ENSG00000177459.11	885	551	985	525	908
## ENSG00000132541.11	1957	2555	2287	2470	2158
## ENSG00000104356.11	2682	3219	2903	2957	2890
## ENSG00000104361.10	756	1004	797	970	803
## ENSG00000104375.17	2183	3043	2874	2857	2480
## ENSG00000156486.8	6	6	5	1	10
## ENSG00000271930.1	0	5	2	10	7
## ENSG00000164920.10	119	221	250	402	180
## ENSG00000253948.4	30	35	43	49	44
## ENSG00000132549.20	2343	3225	3003	3461	2178
## ENSG00000164919.11	5103	6385	6304	6954	6468
## ENSG00000132554.21	24	10	16	5	10
## ENSG00000156509.14	31	36	31	45	47
## ENSG00000147669.11	2775	4192	3396	3897	3677
## ENSG00000104450.13	1058	1753	1251	1607	1382
## ENSG00000034677.13	5186	8979	6625	9261	5785
## ENSG00000186106.11	3950	5819	4581	5026	5034
## ENSG00000174226.9	70	57	59	59	62
## ENSG00000070756.17	253605	387030	302258	367744	327942
## ENSG00000260368.1	6	16	16	10	10
## ENSG00000164924.18	100507	137458	115924	122340	119721
## ENSG00000253395.1	5	10	1	5	4
## ENSG00000261087.1	65	106	117	95	90
## ENSG00000120963.12	3262	4283	3632	4050	3959
## ENSG00000271882.1	8	16	14	12	17
## ENSG00000289048.2	33	52	56	60	45
## ENSG00000083307.12	2511	3612	2998	4029	2617
## ENSG00000104490.18	166	140	181	184	215
## ENSG00000048392.13	5294	9173	6837	8306	6914
## ENSG00000246263.4	44	38	62	38	43
## ENSG00000104517.13	6506	8180	7613	9092	6027
## ENSG00000272037.1	4	6	5	7	4
## ENSG00000155090.15	2491	3522	3138	3224	2972
## ENSG00000283959.2	12	11	10	9	13
## ENSG00000253669.4	34	82	58	75	50
## ENSG00000155096.15	17643	23842	21786	23110	19181
## ENSG00000253320.7	152	109	170	155	159
## ENSG00000244052.1	9	9	14	11	17
## ENSG00000155097.12	4204	5326	4927	5199	4270
## ENSG00000236939.4	15	12	20	12	14
## ENSG00000164929.17	2010	1981	2130	1633	1979
## ENSG00000247081.8	282	283	319	274	286
## ENSG00000164930.12	1510	2356	1925	2455	1719
## ENSG00000286337.1	3	1	3	7	5
## ENSG00000164932.13	469	435	589	438	453
## ENSG00000164933.13	44	49	40	46	33
## ENSG00000164934.15	5818	6572	6663	6617	6347
## ENSG00000288945.1	14	22	27	22	24
## ENSG00000271830.1	8	4	20	3	6
## ENSG00000253477.5	16	9	24	8	12
## ENSG00000176406.25	649	449	835	427	527
## ENSG00000239344.1	9	2	9	9	5

## ENSG00000147647.13	5	13	11	36	8
## ENSG00000279138.1	9	10	11	21	14
## ENSG00000147650.12	2819	3666	3215	3437	3107
## ENSG00000169946.14	647	317	718	325	600
## ENSG00000164830.19	2097	2944	2461	2749	2443
## ENSG00000253582.1	2	7	5	1	4
## ENSG00000253676.1	38	39	34	48	53
## ENSG00000154188.10	53	84	96	112	86
## ENSG00000147655.12	13	41	54	75	66
## ENSG00000104408.11	44432	53085	49028	48450	47381
## ENSG00000289094.1	63	92	72	112	103
## ENSG00000104412.8	2000	2365	2461	2536	2135
## ENSG00000164841.5	52	73	91	54	78
## ENSG00000174417.3	5	3	5	8	7
## ENSG00000120526.12	3273	4063	3973	4339	3764
## ENSG00000120533.13	5117	6264	5853	6711	6722
## ENSG00000205038.12	4	8	8	13	5
## ENSG00000254185.1	4	1	1	6	5
## ENSG00000147654.16	1311	1690	1418	1619	1499
## ENSG00000147642.17	324	296	385	327	327
## ENSG00000164794.9	31	57	42	54	49
## ENSG00000164796.18	2107	3655	2476	3495	2171
## ENSG00000286937.1	4	11	5	11	4
## ENSG00000104447.13	650	748	770	819	648
## ENSG00000147677.12	22020	26684	24940	24595	25432
## ENSG00000147679.12	1171	1504	1500	1421	1137
## ENSG00000164754.16	20349	23656	24656	24569	21869
## ENSG00000253327.2	9	5	8	6	8
## ENSG00000205002.4	246	162	271	140	240
## ENSG00000164756.13	2308	761	2529	778	1737
## ENSG00000164758.7	523	698	651	728	713
## ENSG00000182197.13	14734	20647	17308	20919	18038
## ENSG00000177570.15	987	1333	1254	1464	999
## ENSG00000281641.3	44	48	48	61	52
## ENSG00000164761.9	96	111	132	149	108
## ENSG00000184374.3	31	103	60	151	71
## ENSG00000147676.14	13949	18468	16192	16581	14644
## ENSG00000136999.5	149	182	184	202	238
## ENSG00000136960.13	3941	3994	5543	5142	4465
## ENSG00000064313.13	2951	3871	3641	3989	3137
## ENSG00000136982.6	1368	1440	1483	1366	1404
## ENSG00000279347.1	5	9	8	9	6
## ENSG00000155792.10	573	947	658	951	500
## ENSG00000254343.2	61	131	111	121	63
## ENSG00000187955.13	4311	17116	4850	16693	5230
## ENSG00000172172.8	3341	4482	3920	4578	4185
## ENSG00000172167.8	612	744	705	649	615
## ENSG00000172164.15	1152	1865	1439	1746	1407
## ENSG00000272502.1	64	81	50	67	67
## ENSG00000170961.7	110	100	149	113	154
## ENSG00000248690.8	7	8	7	10	7
## ENSG00000272384.2	25	20	16	12	29
## ENSG00000178764.8	2251	2436	2589	2453	2496
## ENSG00000136986.10	4571	5951	5404	6123	5705

## ENSG00000156787.17	971	1103	1202	1147	1089
## ENSG00000189376.12	474	638	493	609	595
## ENSG00000259305.6	16	19	23	11	18
## ENSG00000165156.15	4167	5180	4951	4870	4235
## ENSG00000156802.13	5885	6587	6916	6964	5860
## ENSG00000156795.8	1735	1832	1972	1809	1880
## ENSG00000156804.7	423	586	538	575	474
## ENSG00000104537.17	1822	4306	2558	4368	2774
## ENSG00000176853.16	5108	8041	6678	8082	5577
## ENSG00000214814.7	306	1280	421	1445	367
## ENSG00000253227.2	43	176	71	181	81
## ENSG00000164983.9	4173	9857	5746	7955	5700
## ENSG00000183665.5	974	730	1078	761	735
## ENSG00000245149.6	40	63	63	80	46
## ENSG00000170881.5	2877	3953	3331	3786	3314
## ENSG00000147687.19	1508	1863	1757	1805	1764
## ENSG00000253106.1	88	111	142	115	113
## ENSG00000147684.10	6263	7752	6746	7552	8656
## ENSG00000170873.19	1327	1211	1486	1240	1207
## ENSG00000180938.6	235	268	247	273	228
## ENSG00000104549.12	10025	12979	11048	11834	10716
## ENSG00000164961.16	3683	4615	4325	4550	3960
## ENSG00000156831.8	1560	2082	1722	1980	1986
## ENSG00000173334.4	3058	3220	3563	3207	3035
## ENSG00000168672.4	8016	10975	10240	10318	8582
## ENSG00000253438.5	80	65	81	95	53
## ENSG00000254166.4	438	850	446	835	506
## ENSG00000282961.1	2	6	7	5	5
## ENSG00000246228.7	12	33	18	22	28
## ENSG00000212993.6	10	12	15	15	12
## ENSG00000249375.8	3	6	3	11	8
## ENSG00000136997.22	7598	8767	8241	8759	9149
## ENSG00000249859.14	310	487	402	579	497
## ENSG00000153310.22	6376	8240	7279	7802	7257
## ENSG00000153317.15	7238	8471	8573	8271	8019
## ENSG00000286535.1	7	11	12	9	5
## ENSG00000155897.10	1684	2441	1949	2908	2907
## ENSG00000253992.1	4	17	14	10	18
## ENSG00000132294.15	4286	5921	5223	5765	4289
## ENSG00000184156.18	51	45	47	47	47
## ENSG00000129295.10	370	365	443	406	371
## ENSG00000129292.21	2323	3137	2791	3125	2423
## ENSG00000042832.12	34	36	37	33	34
## ENSG00000155926.14	10	11	16	17	22
## ENSG00000104415.14	35	191	186	233	137
## ENSG00000104419.17	4402	7297	5305	8752	6587
## ENSG00000225259.4	26	43	29	35	39
## ENSG00000008513.17	2413	2430	2948	2785	2962
## ENSG00000261220.3	17	23	22	23	25
## ENSG00000066827.16	727	825	784	865	843
## ENSG00000289405.2	126	130	153	130	84
## ENSG00000279518.1	2	6	11	18	7
## ENSG00000131773.15	570	967	681	930	812
## ENSG00000253915.1	1	2	6	2	7

## ENSG00000147724.12	310	210	413	242	277
## ENSG00000169436.18	267	520	314	468	246
## ENSG00000169427.8	17	29	14	21	30
## ENSG00000167632.18	2908	3100	3287	3056	3462
## ENSG00000282164.4	9	6	20	12	16
## ENSG00000259891.1	35	48	53	72	56
## ENSG00000104472.10	1654	1910	1777	1700	1896
## ENSG00000123908.12	5022	6561	6172	6315	5605
## ENSG00000279766.1	4	7	11	12	8
## ENSG00000280303.2	382	456	421	469	474
## ENSG00000169398.20	13075	16049	15535	16398	14394
## ENSG00000105339.11	1035	1196	1260	1254	1224
## ENSG00000253210.4	52	68	79	76	83
## ENSG00000022567.10	2856	3592	3331	3524	3761
## ENSG00000261655.1	89	70	117	76	82
## ENSG00000204882.4	43	42	70	41	40
## ENSG00000184489.13	2095	1979	2165	1904	2722
## ENSG00000253605.1	20	17	12	18	18
## ENSG00000171045.16	436	439	455	518	504
## ENSG00000261693.1	22	22	15	27	18
## ENSG00000181790.13	57	51	65	38	69
## ENSG00000198576.4	57	28	51	24	48
## ENSG00000234616.9	1951	2142	2111	2233	2111
## ENSG00000167653.5	35	34	43	28	31
## ENSG00000253741.4	14	9	8	13	11
## ENSG00000130193.8	2153	1986	2338	1964	2891
## ENSG00000197353.4	6	2	11	11	12
## ENSG00000284505.1	5	2	7	2	8
## ENSG00000180155.20	1139	1399	1229	1322	1545
## ENSG00000247317.5	94	98	118	140	127
## ENSG00000160932.11	19024	20719	21444	22762	27048
## ENSG00000177335.13	102	100	106	123	129
## ENSG00000291309.1	18	10	10	7	8
## ENSG00000176956.13	74	51	76	54	110
## ENSG00000181638.20	753	882	844	887	942
## ENSG00000250571.7	192	226	191	238	296
## ENSG00000253716.8	100	94	114	120	122
## ENSG00000185730.8	750	809	832	861	856
## ENSG00000272172.1	6	13	11	14	14
## ENSG00000184428.13	2100	2471	2508	2404	2730
## ENSG00000254389.3	151	137	167	136	173
## ENSG00000158106.14	508	434	520	478	513
## ENSG00000253931.1	5	8	3	4	7
## ENSG00000182759.4	35	20	20	16	36
## ENSG00000014164.7	1730	1927	1892	1682	2275
## ENSG00000287576.1	39	45	32	35	30
## ENSG00000254859.1	2	5	4	4	7
## ENSG00000104518.11	311	248	319	220	276
## ENSG00000289161.2	59	63	111	84	78
## ENSG00000204839.9	75	63	78	103	111
## ENSG00000147813.16	538	531	566	507	679
## ENSG00000279605.1	6	12	6	8	18
## ENSG00000104529.19	9449	11867	10048	10343	12738
## ENSG00000179886.6	910	960	904	1022	1186

## ENSG00000104524.14	1324	1286	1290	1377	1780
## ENSG00000104522.16	2835	3121	2720	3224	3865
## ENSG00000254812.3	8	4	9	5	9
## ENSG00000183309.12	2838	3857	3497	3718	3057
## ENSG00000181135.16	664	828	762	787	855
## ENSG00000181097.5	25	29	43	36	48
## ENSG00000181085.15	164	174	184	131	210
## ENSG00000180921.7	6673	8224	7428	8110	8500
## ENSG00000265660.1	117	135	141	134	114
## ENSG00000203499.12	475	563	482	615	513
## ENSG00000254973.2	18	24	36	40	28
## ENSG00000180900.20	7012	7547	7413	7631	9000
## ENSG00000179950.15	9368	9949	9782	10400	12900
## ENSG00000287222.1	321	415	359	341	439
## ENSG00000185189.18	463	493	528	455	512
## ENSG00000261150.3	3670	4472	3987	4164	3286
## ENSG00000288096.1	9	17	18	6	14
## ENSG00000178209.17	10537	10855	11122	10154	12517
## ENSG00000178685.14	181	199	177	147	188
## ENSG00000178719.17	9799	11386	11471	11675	14886
## ENSG00000178814.17	1034	997	1134	1105	1368
## ENSG00000255224.2	74	65	70	78	106
## ENSG00000178896.9	17	26	23	23	24
## ENSG00000197858.12	4001	4336	4035	4201	5675
## ENSG00000179091.5	6973	7515	7111	8140	10045
## ENSG00000179526.17	1893	1894	2024	1939	2661
## ENSG00000179632.10	5871	6498	5991	6231	7956
## ENSG00000179698.14	8	6	5	14	5
## ENSG00000235173.7	2292	2289	2339	2251	2821
## ENSG00000227473.1	146	139	151	144	129
## ENSG00000179832.18	1742	1655	1925	1864	2068
## ENSG00000261236.8	4594	4484	4542	4154	5924
## ENSG00000260428.3	13	9	9	7	17
## ENSG00000185122.11	5101	5062	5042	4876	6445
## ENSG00000185000.12	2281	2619	2470	2807	3124
## ENSG00000261678.3	56	13	45	23	42
## ENSG00000185803.12	2676	3207	2775	3072	3808
## ENSG00000261587.3	7	2	5	3	4
## ENSG00000182325.11	540	560	597	591	735
## ENSG00000173137.12	387	454	399	409	562
## ENSG00000071894.17	7578	7638	8571	7819	9780
## ENSG00000272115.1	4	7	7	2	12
## ENSG00000147804.10	443	496	496	475	564
## ENSG00000160948.14	3306	3515	3516	3625	4639
## ENSG00000160949.18	2382	2129	2517	2211	2851
## ENSG00000232600.3	4	6	7	8	10
## ENSG00000187954.14	731	860	820	991	1057
## ENSG00000291317.1	322	306	333	317	408
## ENSG00000167702.13	215	221	257	273	285
## ENSG00000160973.8	56	48	65	37	67
## ENSG00000160972.10	955	900	894	952	1200
## ENSG00000255182.2	20	34	31	36	28
## ENSG00000167701.14	9	17	8	16	15
## ENSG00000167700.9	2108	2176	2119	2366	3024

## ENSG00000160957.15	1537	1520	1509	1502	1912
## ENSG00000160959.8	1544	1632	1606	1764	1890
## ENSG00000213563.7	511	605	548	590	745
## ENSG00000147799.12	1608	1546	1674	1643	2025
## ENSG00000290885.1	8	4	23	11	10
## ENSG00000255085.9	7	0	6	5	8
## ENSG00000198169.9	685	823	800	925	802
## ENSG00000196378.13	206	258	256	250	292
## ENSG00000161016.18	111571	130738	123616	129603	184965
## ENSG00000197363.11	803	1017	960	1154	1027
## ENSG00000147789.16	1314	1604	1554	1743	1453
## ENSG00000170619.10	1084	1264	1130	1341	1578
## ENSG00000286681.1	20	43	25	46	26
## ENSG00000196150.14	1262	1482	1458	1608	1411
## ENSG00000170631.15	683	908	770	889	783
## ENSG00000291080.1	928	1088	1140	1102	983
## ENSG00000255559.1	4	7	9	7	11
## ENSG00000182307.14	5627	6707	6224	6612	6974
## ENSG00000181404.18	153	181	194	162	174
## ENSG00000170122.6	15	32	33	34	31
## ENSG00000172785.19	2206	2803	2448	2456	2339
## ENSG00000183784.7	45	78	51	57	58
## ENSG00000107099.18	1140	1836	1384	1894	1287
## ENSG00000107104.21	3363	3959	4244	4186	3806
## ENSG00000064218.5	33	15	40	24	37
## ENSG00000173253.16	33	64	27	58	49
## ENSG00000080503.25	3506	3002	4098	3051	3459
## ENSG00000236404.12	90	77	106	79	86
## ENSG00000147852.17	2145	1744	2592	2123	2191
## ENSG00000168263.9	4	7	7	6	9
## ENSG00000080608.10	4472	5346	4997	5405	4803
## ENSG00000289552.2	3	7	9	7	7
## ENSG00000080298.16	4047	4869	5073	4470	3695
## ENSG00000232104.5	63	61	64	73	44
## ENSG00000226669.2	3	9	5	4	4
## ENSG00000107249.24	9655	14199	11484	14615	10855
## ENSG00000106688.12	5059	7554	6393	7823	6383
## ENSG00000106686.18	61	74	66	72	75
## ENSG00000205808.7	1567	2137	1764	1973	1955
## ENSG00000273061.3	15	16	24	23	22
## ENSG00000106993.12	1083	1513	1412	1479	1280
## ENSG00000147853.17	10386	13622	11828	12119	11785
## ENSG00000287759.1	9	9	7	17	10
## ENSG00000120158.12	1145	1287	1228	1327	1298
## ENSG00000220937.3	11	8	3	7	10
## ENSG00000096968.14	542	574	644	554	467
## ENSG00000107014.9	46	65	70	49	38
## ENSG00000107018.8	23	22	12	21	19
## ENSG00000107020.10	737	1014	926	891	978
## ENSG00000120217.14	15	27	33	26	22
## ENSG00000286162.4	35	39	42	49	37
## ENSG00000107036.12	4082	5515	4935	5545	4505
## ENSG00000099219.15	7416	9931	9262	9634	7487
## ENSG00000183354.12	1303	1765	1704	1918	1317

## ENSG00000120215.10	7	19	24	19	12
## ENSG00000137040.10	2631	3173	3201	3299	2793
## ENSG00000137033.12	60	159	75	139	110
## ENSG00000233846.2	5	6	6	14	5
## ENSG00000147854.17	5090	6008	6101	6285	4865
## ENSG00000178445.10	7346	11456	8898	12051	9863
## ENSG00000236924.3	33	44	55	53	51
## ENSG00000232946.1	4	4	2	6	6
## ENSG00000225489.9	41	37	32	42	22
## ENSG00000256968.1	24	39	29	27	35
## ENSG00000107077.20	635	731	756	817	629
## ENSG00000230207.1	126	131	118	154	193
## ENSG00000273056.1	21	7	24	13	14
## ENSG00000137038.8	2402	2594	2685	2588	3056
## ENSG00000153707.19	3451	2712	4084	2993	3310
## ENSG00000212695.5	6	7	8	17	18
## ENSG00000225706.3	73	47	100	80	87
## ENSG00000107165.13	48	163	79	128	72
## ENSG00000153714.6	226	282	271	295	210
## ENSG00000214121.4	9	6	5	13	22
## ENSG00000107186.17	3566	4011	4262	4301	3360
## ENSG00000234740.1	5	14	20	17	4
## ENSG00000147862.18	802	776	1002	800	862
## ENSG00000272871.1	1	5	1	3	6
## ENSG00000175893.12	814	1279	1075	1051	880
## ENSG00000147869.5	11	9	12	20	13
## ENSG00000164946.20	126	288	194	401	280
## ENSG00000291185.1	83	96	81	103	90
## ENSG00000215237.6	10	11	11	14	9
## ENSG00000234297.2	9	4	6	4	6
## ENSG00000155158.20	534	715	699	808	501
## ENSG00000164975.16	3746	4572	4438	4442	3941
## ENSG00000164985.15	10489	11827	12570	11154	11883
## ENSG00000164989.17	212	202	190	200	195
## ENSG00000173068.19	12	73	44	84	64
## ENSG00000044459.15	589	740	788	739	637
## ENSG00000107295.10	127	99	127	102	117
## ENSG00000178031.18	136	77	138	76	97
## ENSG00000155875.15	15	11	12	9	8
## ENSG00000155876.6	3610	4533	4213	4638	4810
## ENSG00000147874.11	5628	6986	7008	6859	5853
## ENSG00000147872.10	8175	10967	9391	11342	9810
## ENSG00000232176.1	5	10	13	8	7
## ENSG00000137145.21	4547	5818	5524	5951	4016
## ENSG00000272842.1	23	22	26	26	21
## ENSG00000273226.1	57	54	82	59	73
## ENSG00000137154.13	161983	198192	178103	207277	229722
## ENSG00000177076.6	712	1113	838	1048	812
## ENSG00000260912.1	503	843	576	769	710
## ENSG00000155886.12	5	5	7	5	4
## ENSG00000261402.1	4	7	3	6	3
## ENSG00000171843.17	3931	5637	4788	5517	4901
## ENSG00000188352.13	6997	8374	8079	8033	7436
## ENSG00000227071.1	4	5	10	5	6

## ENSG00000188921.14	138	137	139	146	132
## ENSG00000226393.1	10	5	9	10	4
## ENSG00000198642.7	6106	7765	6952	7154	6645
## ENSG00000171889.7	176	136	170	123	196
## ENSG00000184995.7	5	14	16	16	9
## ENSG00000229835.2	6	4	2	9	5
## ENSG00000099810.21	6396	8449	7853	7999	6944
## ENSG00000229298.1	4	6	5	13	2
## ENSG00000265194.1	51	56	44	54	41
## ENSG00000279670.1	0	5	7	6	2
## ENSG00000147889.18	46	83	45	79	63
## ENSG00000240498.9	24	69	32	50	45
## ENSG00000147883.12	2465	3975	2795	3011	2470
## ENSG00000176399.4	653	1025	798	854	812
## ENSG00000234840.2	6	32	7	20	9
## ENSG00000283982.1	7	0	2	6	5
## ENSG00000107105.15	920	487	1046	434	573
## ENSG00000198680.6	744	769	857	812	867
## ENSG00000120159.13	2246	3295	2895	2749	2524
## ENSG00000137055.15	6123	7313	7221	7096	6419
## ENSG00000096872.17	2739	3226	3051	3188	2648
## ENSG00000184434.8	20	28	55	45	17
## ENSG00000120156.22	13	98	95	143	74
## ENSG00000120162.10	2256	3163	2725	3351	2502
## ENSG00000285103.2	26	34	55	33	33
## ENSG00000147894.17	994	1130	1198	1145	1133
## ENSG00000174482.11	123	104	156	118	108
## ENSG00000287038.3	26	19	34	20	21
## ENSG00000215210.3	44	41	46	33	60
## ENSG00000232203.3	20	26	18	17	33
## ENSG00000122729.19	4366	5062	5146	5101	5007
## ENSG00000107201.11	67	79	57	71	71
## ENSG00000197579.8	2626	3408	3235	3336	2860
## ENSG00000235453.12	190	211	221	204	239
## ENSG00000165264.11	2136	2751	2396	2703	2918
## ENSG00000232303.2	3	2	5	14	4
## ENSG00000188133.6	12	14	9	2	14
## ENSG00000137074.20	3189	3879	3629	3787	3845
## ENSG00000236184.1	4	16	20	5	10
## ENSG00000086061.16	23628	28407	27058	28101	28191
## ENSG00000122692.9	7854	9240	8858	8896	8442
## ENSG00000086062.13	17919	24098	21896	23444	19294
## ENSG00000233554.6	41	41	42	48	44
## ENSG00000122711.9	18	13	11	6	12
## ENSG00000107262.26	4652	5413	4716	5385	6022
## ENSG00000086065.14	4894	6739	5755	6522	5988
## ENSG00000086102.19	3318	3935	3929	4226	3536
## ENSG00000165269.13	43	55	45	53	34
## ENSG00000165272.16	1291	2170	1359	1736	1582
## ENSG00000165271.17	7207	8151	8123	8140	8299
## ENSG00000226823.1	44	47	58	34	35
## ENSG00000230453.11	202	254	230	194	179
## ENSG00000234373.1	48	40	35	52	22
## ENSG00000226562.5	63	113	76	89	62

## ENSG00000231991.4	383	564	476	514	562
## ENSG00000293199.1	5	1	3	9	5
## ENSG00000281128.2	4	0	6	10	3
## ENSG00000260947.1	32	49	58	37	34
## ENSG00000235481.4	11	18	13	12	15
## ENSG00000010438.17	6	21	10	28	34
## ENSG00000107341.5	13739	16153	16018	15587	16799
## ENSG00000137073.24	6689	8255	7836	8100	8057
## ENSG00000198876.13	8988	12012	10887	12044	10521
## ENSG00000165006.14	5467	6904	6268	7217	6502
## ENSG00000233668.1	9	10	9	11	21
## ENSG00000186638.17	1007	1149	1118	1191	1056
## ENSG00000229207.1	10	6	7	6	5
## ENSG00000164978.18	1771	2147	1959	1932	2139
## ENSG00000164976.9	1445	1577	1809	1616	1590
## ENSG00000164972.14	41	26	33	30	38
## ENSG00000164970.15	2113	2531	2777	2642	2841
## ENSG00000122735.16	24	12	19	17	17
## ENSG00000168913.7	104	69	100	47	138
## ENSG00000122756.15	353	176	314	238	446
## ENSG00000164967.10	1104	1333	1253	1381	1550
## ENSG00000137100.16	2300	2433	2487	2640	3249
## ENSG00000205143.5	12	15	20	14	23
## ENSG00000147955.18	6581	6996	7754	7343	9008
## ENSG00000213930.12	38	85	39	78	36
## ENSG00000258728.2	7	17	7	17	12
## ENSG00000137070.19	8	14	10	18	9
## ENSG00000261215.1	9	31	12	18	20
## ENSG00000187186.15	27	20	27	28	33
## ENSG00000230074.5	306	455	377	469	386
## ENSG00000178723.7	11	5	7	10	12
## ENSG00000215199.3	8	12	5	11	12
## ENSG00000122733.12	48	75	75	62	55
## ENSG00000137094.16	3400	4631	4234	5304	4959
## ENSG00000273597.1	3	4	4	10	7
## ENSG00000165280.18	55849	65230	60742	61111	64556
## ENSG00000221829.11	2693	2582	2758	2557	3229
## ENSG00000165282.15	3116	4258	3755	4320	4015
## ENSG00000165283.16	10856	12703	11878	12454	14376
## ENSG00000005238.20	910	1101	1095	1202	1159
## ENSG00000198722.15	8080	9285	9602	9473	8700
## ENSG00000290567.1	3	9	8	8	11
## ENSG00000198853.12	1283	1508	1569	1460	1694
## ENSG00000215187.13	113	87	91	86	125
## ENSG00000288586.1	25	25	34	34	31
## ENSG00000107140.17	1917	2120	2213	2117	2735
## ENSG00000137101.14	65	74	94	56	96
## ENSG00000137078.10	12	14	15	18	23
## ENSG00000277027.1	94	109	49	78	77
## ENSG00000159884.12	117	84	99	71	122
## ENSG00000137135.18	1215	1291	1262	1334	1390
## ENSG00000107159.14	15	8	34	16	16
## ENSG00000198467.16	7972	8948	8719	8371	10530
## ENSG00000137076.22	31171	34836	34080	33147	34777

## ENSG00000107175.12	3797	4679	3759	4308	4804
## ENSG00000070610.14	5837	7281	6657	7520	6717
## ENSG00000107185.10	4455	5689	5304	5604	4935
## ENSG00000227388.3	32	30	42	22	29
## ENSG00000159899.16	629	540	745	628	768
## ENSG00000137098.14	26	25	33	19	25
## ENSG00000137133.11	170	185	161	169	168
## ENSG00000137103.20	1463	1599	1819	1583	1913
## ENSG00000213866.3	147	170	131	155	263
## ENSG00000122707.12	533	641	716	740	636
## ENSG00000122694.16	1288	1527	1478	1459	1701
## ENSG00000122705.18	10235	12819	11792	12978	14172
## ENSG00000159921.20	1311	1428	1775	1597	1545
## ENSG00000215283.3	5	10	11	17	20
## ENSG00000137075.18	5365	7634	6460	7226	5859
## ENSG00000165304.8	4002	5036	4497	4968	4392
## ENSG00000281649.3	3491	5023	4591	4669	3851
## ENSG00000147905.18	1782	2306	2053	2209	1981
## ENSG00000137106.18	4578	4929	5058	5240	6173
## ENSG00000168795.5	2945	3982	3534	3810	3483
## ENSG00000137054.16	2700	2955	3099	2945	2933
## ENSG00000234160.1	193	211	238	220	220
## ENSG00000147912.13	576	609	632	623	747
## ENSG00000256966.6	12	7	7	8	7
## ENSG00000175768.13	1323	1625	1258	1612	1607
## ENSG00000233111.1	5	4	4	6	10
## ENSG00000070601.10	29	12	26	23	25
## ENSG00000165275.10	415	535	515	562	474
## ENSG00000107371.14	1943	2415	2331	2395	2484
## ENSG00000289295.1	38	45	42	55	59
## ENSG00000122741.16	3074	3978	3752	3854	3071
## ENSG00000232454.2	5	4	9	7	3
## ENSG00000226055.2	24	17	19	15	15
## ENSG00000122696.14	815	1182	919	1096	996
## ENSG00000213839.4	365	511	452	519	377
## ENSG00000107338.10	562	742	698	790	716
## ENSG00000137124.8	8071	9146	9048	9661	9987
## ENSG00000137142.5	1999	1394	2384	1237	1892
## ENSG00000291061.1	31	40	32	28	26
## ENSG00000237487.1	6	13	7	9	3
## ENSG00000180071.21	34	59	49	62	47
## ENSG00000204860.5	25	21	26	45	16
## ENSG00000106714.18	37	63	56	71	60
## ENSG00000198416.10	43	53	28	39	27
## ENSG00000278175.6	92	98	91	83	110
## ENSG00000291181.2	32	65	35	45	39
## ENSG00000284116.1	2	7	7	5	3
## ENSG00000289843.1	21	38	46	45	39
## ENSG00000291075.1	236	241	258	250	251
## ENSG00000290923.1	6	5	9	3	0
## ENSG00000280077.1	35	47	38	30	58
## ENSG00000279456.1	44	44	44	37	31
## ENSG00000215126.12	146	189	162	165	160
## ENSG00000279561.3	52	96	56	59	93

## ENSG00000288891.2	15	10	7	10	8
## ENSG00000275160.1	35	27	30	32	41
## ENSG00000276412.2	9	4	8	6	9
## ENSG00000154529.15	94	131	90	124	123
## ENSG00000237357.2	12	15	19	25	15
## ENSG00000231527.7	56	65	73	76	65
## ENSG00000284471.1	19	28	20	26	26
## ENSG00000231995.2	8	6	9	1	7
## ENSG00000291011.1	4	11	7	9	5
## ENSG00000226007.3	11	6	9	5	4
## ENSG00000288838.1	62	139	79	141	116
## ENSG00000238113.7	31	32	30	41	32
## ENSG00000287168.3	60	65	93	83	138
## ENSG00000234665.9	34	53	60	50	49
## ENSG00000238245.2	10	9	7	10	10
## ENSG00000227582.3	20	22	14	20	12
## ENSG00000293082.1	12	5	2	4	5
## ENSG00000170161.7	58	63	62	60	73
## ENSG00000290549.1	11	21	13	11	11
## ENSG00000232815.1	21	51	33	32	39
## ENSG00000266017.1	2	12	4	8	7
## ENSG00000289725.1	8	14	11	12	15
## ENSG00000225883.2	17	4	10	7	11
## ENSG00000197550.3	8	11	3	11	9
## ENSG00000204778.4	6	12	13	8	8
## ENSG00000147996.17	563	734	693	822	660
## ENSG00000274349.5	270	381	359	300	266
## ENSG00000276386.1	3	6	4	12	7
## ENSG00000274026.2	37	43	37	53	65
## ENSG00000275493.2	18	11	23	14	20
## ENSG00000260691.8	8	9	6	6	11
## ENSG00000196873.16	75	165	129	110	88
## ENSG00000154330.13	33	32	26	54	68
## ENSG00000107242.20	385	659	472	633	458
## ENSG00000187866.10	1545	1981	1710	1963	1713
## ENSG00000288771.2	9	26	18	25	8
## ENSG00000285130.2	16	17	31	25	23
## ENSG00000165060.15	1300	1810	1529	1657	1621
## ENSG00000119139.21	213	359	262	403	248
## ENSG00000135063.20	78	48	82	58	50
## ENSG00000107282.9	106	136	127	133	157
## ENSG00000188647.13	3844	5596	4899	5457	4000
## ENSG00000204711.9	57	51	60	38	57
## ENSG00000204706.14	10	8	13	22	17
## ENSG00000165072.10	195	118	203	183	205
## ENSG00000268364.3	28	40	23	37	37
## ENSG00000236801.1	59	73	71	98	126
## ENSG00000198887.9	5085	6984	6195	6277	4877
## ENSG00000119138.5	3021	4298	3720	4347	3341
## ENSG00000083067.26	23	35	47	20	39
## ENSG00000135048.14	9872	15064	12229	15097	11341
## ENSG00000107362.14	3317	4047	3596	3370	3833
## ENSG00000155621.15	802	1029	996	1001	922
## ENSG00000224820.2	5	7	2	6	7

## ENSG00000119125.17	2113	2311	2515	2192	1678
## ENSG00000225434.5	11	28	23	9	22
## ENSG00000107372.13	13254	17834	16283	17136	15177
## ENSG00000165092.13	12794	8516	14369	7679	12791
## ENSG00000135046.14	2758	4561	3852	4848	3521
## ENSG00000198963.11	9	22	24	35	29
## ENSG00000119121.22	428	719	823	1225	441
## ENSG00000135045.7	1132	1393	1414	1351	1173
## ENSG00000156017.13	1978	2855	2486	2651	2181
## ENSG00000229587.2	6	5	6	6	7
## ENSG00000106733.21	460	594	542	603	525
## ENSG00000134996.12	717	879	832	936	798
## ENSG00000099139.14	5970	11742	7955	12298	7443
## ENSG00000135002.12	3074	5187	3860	3737	3935
## ENSG00000234618.1	40	80	61	75	51
## ENSG00000187210.14	13947	17021	16280	16143	14462
## ENSG00000219149.4	1	3	6	11	5
## ENSG00000106772.19	425	205	472	194	292
## ENSG00000197969.14	2749	4104	3785	4345	2620
## ENSG00000156049.7	3	13	11	17	24
## ENSG00000156052.11	8054	10388	9381	9291	8394
## ENSG00000289440.1	11	21	18	21	21
## ENSG00000148019.14	4054	4966	4413	4620	4125
## ENSG00000135069.14	18365	24677	21491	25009	23216
## ENSG00000226234.2	7	19	10	19	31
## ENSG00000106829.21	1505	1884	1846	1957	1719
## ENSG00000196781.16	3180	3130	3681	3599	3636
## ENSG00000233926.2	7	8	9	9	6
## ENSG00000290551.1	7	11	12	20	12
## ENSG00000233309.1	5	7	16	15	6
## ENSG00000165105.10	1340	1803	1599	1847	1384
## ENSG00000286451.1	90	97	110	128	119
## ENSG00000229109.2	23	37	19	36	29
## ENSG00000172159.16	57	71	75	65	66
## ENSG00000237529.2	10	8	7	26	11
## ENSG00000148057.16	91	95	87	126	128
## ENSG00000135018.14	15072	18344	17815	18157	17107
## ENSG00000254473.2	96	129	98	96	99
## ENSG00000165113.13	492	485	513	498	490
## ENSG00000231616.9	3	21	3	8	4
## ENSG00000165115.15	676	979	892	973	663
## ENSG00000165118.15	1758	2043	2196	2085	1819
## ENSG00000165119.22	77089	97494	90768	98586	93506
## ENSG00000235298.1	2	5	7	3	5
## ENSG00000178966.17	2591	3075	2894	2890	2782
## ENSG00000197506.8	41	38	30	35	34
## ENSG00000148053.18	3402	7843	3610	8389	4450
## ENSG00000135049.16	3009	3650	3520	3373	2991
## ENSG00000230303.6	19	14	16	17	16
## ENSG00000290924.1	24	27	42	33	22
## ENSG00000165121.13	8	19	20	25	14
## ENSG00000289214.1	10	17	14	12	9
## ENSG00000135040.16	4210	5485	4985	5561	4622
## ENSG00000135052.16	68541	127942	81326	119821	89138

## ENSG00000187753.13	6	1	5	4	8
## ENSG00000135070.15	4059	5800	4406	5279	4647
## ENSG00000083223.18	2223	2981	2573	2920	2260
## ENSG00000180447.7	55	110	98	190	137
## ENSG00000269994.3	145	208	194	158	181
## ENSG00000231007.5	139	131	143	140	167
## ENSG00000289166.1	6	3	7	7	4
## ENSG00000288968.1	7	12	10	13	10
## ENSG00000196730.13	19374	23131	22294	25618	21571
## ENSG00000219928.2	59	48	64	99	100
## ENSG00000135047.16	2492	3722	3139	4033	3440
## ENSG00000156345.18	565	609	624	649	713
## ENSG00000217716.3	29	38	34	61	60
## ENSG00000287750.3	9	8	7	9	12
## ENSG00000287769.1	117	159	161	190	134
## ENSG00000106723.17	9644	12061	11412	12525	10639
## ENSG00000227638.2	7	7	13	20	14
## ENSG00000130045.17	13	14	15	25	12
## ENSG00000213694.7	651	873	827	894	977
## ENSG00000148082.10	98	120	142	182	133
## ENSG00000224945.1	3	6	4	15	6
## ENSG00000123975.5	5273	6655	6403	7218	7036
## ENSG00000265112.1	9	6	7	9	4
## ENSG00000187742.15	3961	4929	4571	5061	4280
## ENSG00000187764.12	2237	2723	2831	2931	2897
## ENSG00000231799.2	6	4	11	11	8
## ENSG00000130222.11	131	115	158	137	145
## ENSG00000237372.5	8	5	4	4	2
## ENSG00000231107.2	4	1	4	9	9
## ENSG00000165023.7	14	9	18	13	16
## ENSG00000165025.15	438	732	517	708	657
## ENSG00000230537.2	4	11	6	5	4
## ENSG00000273381.1	24	16	16	19	9
## ENSG00000148090.12	714	867	845	876	847
## ENSG00000165030.4	1696	1945	2052	2186	2050
## ENSG00000233081.1	5	8	8	5	5
## ENSG00000169071.15	3807	4532	4053	4583	5301
## ENSG00000090054.16	7150	10588	8043	9793	8890
## ENSG00000290644.1	14	32	24	33	24
## ENSG00000196305.19	35897	43333	41305	44627	40347
## ENSG00000198000.12	2774	3530	3121	3358	2699
## ENSG00000188312.15	281	367	363	345	310
## ENSG00000106819.13	0	9	1	17	5
## ENSG00000106823.13	7	12	21	37	14
## ENSG00000127080.10	394	534	474	517	512
## ENSG00000185963.14	5660	7727	6682	7221	7341
## ENSG00000288062.1	8	2	7	6	8
## ENSG00000291168.1	16	21	19	19	17
## ENSG00000275318.1	32	41	51	36	32
## ENSG00000127081.14	687	829	829	835	617
## ENSG00000127084.19	484	509	572	534	565
## ENSG00000157303.11	77	129	104	146	97
## ENSG00000165233.18	468	598	536	681	725
## ENSG00000131669.10	3526	4486	3881	4524	5663

## ENSG00000203364.2	3	10	2	6	5
## ENSG00000165238.17	4650	4301	5130	4412	5507
## ENSG00000188938.17	3686	4155	4014	4174	4018
## ENSG00000048828.18	6818	8696	7633	8125	7225
## ENSG00000289031.1	3	5	6	9	3
## ENSG00000197724.12	2580	2880	3086	3278	2964
## ENSG00000131668.14	39	31	43	12	35
## ENSG00000158079.16	299	386	353	365	280
## ENSG00000227666.1	1	1	5	8	2
## ENSG00000269929.6	52	47	51	61	58
## ENSG00000230262.9	2	7	9	11	14
## ENSG00000175787.17	159	241	215	224	181
## ENSG00000232063.2	7	12	16	9	9
## ENSG00000282886.1	32	33	32	55	51
## ENSG00000148110.17	3605	4936	4547	5288	4294
## ENSG00000231806.4	835	1108	1066	1146	891
## ENSG00000130957.5	31	35	33	39	22
## ENSG00000165140.12	31	24	25	32	35
## ENSG00000148120.19	1705	2037	1903	1933	2079
## ENSG00000158169.14	1510	1688	1681	1810	1656
## ENSG00000271384.1	2	6	5	6	0
## ENSG00000185920.19	2921	4373	3552	4437	3316
## ENSG00000271155.1	21	19	17	24	30
## ENSG00000271659.1	7	28	11	15	9
## ENSG00000175611.14	247	319	238	298	273
## ENSG00000268926.3	5	13	9	21	10
## ENSG00000182150.19	1931	2648	2267	2526	1905
## ENSG00000224546.2	196	197	209	226	236
## ENSG00000130958.13	1426	1698	1597	1552	1614
## ENSG00000165244.7	573	626	607	548	543
## ENSG00000238251.2	15	19	5	12	16
## ENSG00000286835.1	6	7	9	7	9
## ENSG00000130956.14	1849	1656	2045	1589	1983
## ENSG00000081377.17	3225	3868	3817	4103	3452
## ENSG00000158122.12	692	795	760	695	760
## ENSG00000224848.4	65	54	71	60	74
## ENSG00000233820.3	3	2	4	5	5
## ENSG00000081386.13	1875	2230	2193	2248	1883
## ENSG00000196597.13	248	357	287	306	263
## ENSG00000290770.1	1717	2369	2310	2447	1857
## ENSG00000188152.13	29	24	27	33	25
## ENSG00000136943.12	841	1098	979	1095	932
## ENSG00000228038.1	11	24	12	20	16
## ENSG00000213612.3	27	39	24	42	19
## ENSG00000277103.1	17	35	25	48	16
## ENSG00000159712.10	48	98	55	74	37
## ENSG00000242375.1	26	54	34	39	40
## ENSG00000188801.9	14	9	6	10	6
## ENSG00000203279.6	96	113	99	141	107
## ENSG00000235494.2	8	15	9	7	2
## ENSG00000254876.5	13	13	34	15	11
## ENSG00000197816.16	15	9	12	13	9
## ENSG00000286375.1	32	33	36	32	22
## ENSG00000196116.8	2400	2954	2849	3172	2217

## ENSG00000136842.14	1837	677	2027	584	1643
## ENSG00000136925.15	1462	1817	1658	1906	1485
## ENSG00000136937.13	8216	9813	9339	9236	8735
## ENSG00000136936.11	996	1227	1187	1086	1075
## ENSG00000214417.4	6	12	8	14	13
## ENSG00000236130.2	6	12	10	14	13
## ENSG00000178919.9	303	269	278	318	479
## ENSG00000136932.15	517	701	581	760	728
## ENSG00000136938.9	20294	24178	25482	23202	25564
## ENSG00000095380.11	2366	2438	2353	2366	2704
## ENSG00000106785.15	838	1130	1012	1202	855
## ENSG00000106789.13	2526	4198	3295	4525	2483
## ENSG00000095383.20	367	372	386	398	373
## ENSG00000136928.7	447	347	520	316	349
## ENSG00000165138.18	4536	5490	5231	5571	5427
## ENSG00000285706.1	3	3	6	5	3
## ENSG00000119514.7	1145	1405	1312	1408	1155
## ENSG00000204291.12	11	131	83	212	115
## ENSG00000106799.14	7814	9649	9427	8874	8024
## ENSG00000227269.1	10	6	10	9	10
## ENSG00000119523.10	2560	3123	2980	3285	2933
## ENSG00000106803.10	4806	5863	5407	5843	6637
## ENSG00000255815.3	9	17	7	5	13
## ENSG00000237461.3	15	7	9	11	5
## ENSG00000255145.3	20	32	41	44	38
## ENSG00000119508.18	43	33	40	17	19
## ENSG00000136874.11	4004	5950	5058	5533	4381
## ENSG00000023318.9	8421	11386	10017	10657	9920
## ENSG00000234709.2	9	4	0	7	4
## ENSG00000119509.13	1627	1834	1776	1855	1751
## ENSG00000239908.3	6	6	6	2	0
## ENSG00000238172.2	5	4	1	6	5
## ENSG00000136891.14	5125	6243	5673	6252	5918
## ENSG00000066697.15	1595	1876	1798	1909	1886
## ENSG00000241697.5	242	224	269	179	249
## ENSG00000170681.7	743	917	924	947	844
## ENSG00000200966.1	10	11	10	11	11
## ENSG00000148123.15	127	94	166	93	126
## ENSG00000136881.12	20	27	16	16	18
## ENSG00000136897.8	3160	4124	3540	3927	3662
## ENSG00000136870.11	2505	3258	2835	3067	2608
## ENSG00000136872.21	23	25	38	33	17
## ENSG00000165152.9	4087	3563	4209	3498	4452
## ENSG00000155827.12	7485	8246	7951	8167	7769
## ENSG00000198785.7	25	38	40	36	43
## ENSG00000270332.4	8	6	14	8	6
## ENSG00000136824.19	5520	6560	6195	6151	5465
## ENSG00000136783.10	1106	1389	1260	1216	1246
## ENSG00000165028.12	75	89	101	98	94
## ENSG00000165029.17	4513	7403	6110	7492	5053
## ENSG00000226334.1	29	25	24	29	23
## ENSG00000286536.1	26	36	29	47	19
## ENSG00000070214.17	10657	15944	12729	14729	10904
## ENSG00000106701.13	942	1073	1141	1148	777

## ENSG00000229419.1	52	64	62	82	55
## ENSG00000106692.15	1967	2469	2555	2467	1840
## ENSG00000186051.7	51	44	52	37	52
## ENSG00000095209.12	1515	1720	1824	1550	1644
## ENSG00000148143.13	4244	5227	5159	5410	4226
## ENSG00000226535.1	68	101	68	77	66
## ENSG00000119318.13	35961	46321	44093	44181	43420
## ENSG00000136826.15	132	124	180	123	125
## ENSG00000070061.16	5512	6143	6114	6098	5535
## ENSG00000119328.12	1580	1906	1746	1773	1658
## ENSG00000119326.15	6309	6773	7297	6539	6759
## ENSG00000106771.13	9994	13060	11794	12808	10577
## ENSG00000260230.5	216	145	215	164	185
## ENSG00000095203.15	892	1114	1121	1124	1022
## ENSG00000070159.14	1000	1370	1426	1590	1118
## ENSG00000157654.19	4256	5517	5258	5042	4250
## ENSG00000213539.4	21	15	10	23	34
## ENSG00000228053.1	7	4	15	15	11
## ENSG00000188959.10	9	14	10	12	15
## ENSG00000136810.13	11417	15043	13365	15056	15151
## ENSG00000165124.19	97	427	265	519	305
## ENSG00000198121.15	2269	3846	2579	3454	2649
## ENSG00000136813.15	13651	18185	15879	17066	14163
## ENSG00000173258.13	541	724	794	815	633
## ENSG00000106853.20	6821	7257	7814	7194	7238
## ENSG00000290837.1	2	5	5	8	7
## ENSG00000059769.20	866	1297	1029	1247	1019
## ENSG00000242616.4	153	184	174	139	165
## ENSG00000165181.17	7	12	2	14	6
## ENSG00000148154.10	7906	11925	10590	11805	9245
## ENSG00000259953.2	721	1005	940	931	975
## ENSG00000106868.17	2515	3227	2938	3038	2566
## ENSG00000225513.1	4	9	7	6	4
## ENSG00000119314.16	12212	18605	15465	15552	12690
## ENSG00000119471.15	3727	5034	4381	4723	4154
## ENSG00000230185.7	38	32	29	31	34
## ENSG00000165185.15	3073	3769	3668	3884	3160
## ENSG00000250068.1	13	23	18	13	10
## ENSG00000148153.14	2294	3034	2759	2899	2690
## ENSG00000226609.2	5	6	5	4	4
## ENSG00000148158.17	1488	1947	2035	2125	1392
## ENSG00000291094.2	6	5	12	5	7
## ENSG00000228623.9	504	559	623	529	490
## ENSG00000136866.14	493	468	556	504	439
## ENSG00000136867.11	32	42	31	50	30
## ENSG00000119321.10	2955	3667	3322	3876	3408
## ENSG00000136868.11	12075	15710	14675	16823	13902
## ENSG00000176386.9	1267	1541	1363	1529	1506
## ENSG00000136875.13	5156	6235	6042	6209	6165
## ENSG00000165188.14	86	110	116	111	99
## ENSG00000148225.17	585	642	676	614	612
## ENSG00000119411.11	515	584	534	594	577
## ENSG00000119431.10	1944	2498	2401	2602	2813
## ENSG00000148218.16	2118	2425	2561	2722	2669

## ENSG00000148229.13	6317	7387	6978	7727	7979
## ENSG00000157653.12	34	25	34	30	24
## ENSG00000138835.24	2066	2370	2396	2411	2567
## ENSG00000233817.1	13	13	26	20	24
## ENSG00000157657.15	6367	7691	7426	7329	7051
## ENSG00000106927.12	13358	25621	14497	25797	21526
## ENSG00000136883.16	645	762	712	764	801
## ENSG00000196739.15	1310	1608	1561	1850	1313
## ENSG00000228278.5	18	35	24	35	33
## ENSG00000106948.17	1900	2195	2250	2329	2385
## ENSG00000235119.1	11	11	17	7	20
## ENSG00000095397.17	136	123	143	133	162
## ENSG00000136888.8	7602	10527	8638	9727	9625
## ENSG00000157693.15	735	731	842	888	766
## ENSG00000181634.8	597	1142	715	1291	617
## ENSG00000173077.16	13	30	20	26	15
## ENSG00000041982.17	10164	22122	16419	24787	15803
## ENSG00000182752.10	104	325	325	350	190
## ENSG00000148219.18	2281	2336	2410	2276	2859
## ENSG00000119401.11	2151	3045	2517	3187	2713
## ENSG00000285820.1	13	24	16	27	21
## ENSG00000230734.1	8	10	11	18	17
## ENSG00000136869.16	71	126	135	145	125
## ENSG00000234782.3	141	137	131	208	243
## ENSG00000078725.13	460	279	473	306	523
## ENSG00000136861.19	6400	7040	7353	6760	6865
## ENSG00000106780.9	2629	2988	3172	3216	2664
## ENSG00000119402.18	7731	9695	9427	10012	8383
## ENSG00000214654.9	478	514	520	439	457
## ENSG00000270917.1	6	9	7	7	9
## ENSG00000095261.14	5214	6636	5764	6550	5722
## ENSG00000293514.1	1493	1639	1717	1829	1498
## ENSG00000119403.15	1381	1163	1546	1226	1721
## ENSG00000056558.11	62	77	76	89	60
## ENSG00000106804.10	1540	1714	1641	1689	1708
## ENSG00000119397.19	1281	1297	1555	1409	1202
## ENSG00000119396.12	8086	11054	9218	10346	9484
## ENSG00000243738.3	5	10	7	8	3
## ENSG00000148180.22	6694	8225	8903	9009	8929
## ENSG00000235865.2	2	10	10	9	7
## ENSG00000148175.13	5648	11134	7377	12463	8783
## ENSG00000213467.4	9	13	15	21	29
## ENSG00000136848.19	5475	6299	6398	6724	6806
## ENSG00000175764.17	344	450	412	538	413
## ENSG00000119421.7	3553	4076	3886	4079	4498
## ENSG00000185681.13	21	1	7	5	14
## ENSG00000106852.16	7	9	9	12	7
## ENSG00000119446.14	2310	2969	2626	2814	2522
## ENSG00000148187.18	3232	3877	3443	3810	3433
## ENSG00000095303.17	32	61	40	61	34
## ENSG00000232387.2	2	8	1	6	1
## ENSG00000136940.14	2082	2765	2524	2462	2241
## ENSG00000056586.16	6501	8660	7870	8189	6758
## ENSG00000186130.5	1926	2541	2132	2124	1890

## ENSG00000171448.9	798	1074	963	1073	883
## ENSG00000261094.2	44	64	35	64	70
## ENSG00000286718.2	7	10	10	5	17
## ENSG00000011454.18	5566	6959	6721	7678	5617
## ENSG00000213216.2	3	11	2	14	7
## ENSG00000236901.6	813	978	983	1026	1091
## ENSG00000165209.19	5922	6720	6938	6580	6180
## ENSG00000148204.12	5497	5536	5753	5286	6897
## ENSG00000119522.18	2492	2935	2956	2713	3114
## ENSG00000119408.17	3367	4153	3906	4509	3945
## ENSG00000136930.13	9324	10437	10365	10632	11745
## ENSG00000180264.12	5	4	9	12	6
## ENSG00000136931.10	15	10	8	9	16
## ENSG00000148200.17	10250	14493	12433	14003	12119
## ENSG00000231744.1	8	9	8	12	11
## ENSG00000224020.3	7	10	12	15	17
## ENSG00000236643.1	16	29	18	30	19
## ENSG00000185585.20	1204	1167	1501	1266	1280
## ENSG00000136918.8	18	9	19	10	24
## ENSG00000136942.15	37597	49160	39029	54562	64131
## ENSG00000136950.13	2916	3738	3432	3752	3721
## ENSG00000289285.1	2	14	1	7	7
## ENSG00000136935.14	1445	1885	1663	1970	1722
## ENSG00000173611.18	801	1063	1028	1150	813
## ENSG00000119414.12	5830	7762	6964	7182	6709
## ENSG00000232630.1	49	73	71	57	51
## ENSG00000136933.17	1559	1729	1595	1763	1964
## ENSG00000044574.9	102207	135586	115577	137643	127180
## ENSG00000165219.23	4627	5732	5532	6046	4591
## ENSG00000214593.3	14	6	9	16	11
## ENSG00000119487.17	6470	7665	7101	7573	7551
## ENSG00000167081.18	1546	1784	1809	1644	1834
## ENSG00000196814.15	2781	3159	3092	3092	3507
## ENSG00000224842.2	59	47	51	59	42
## ENSG00000136944.19	1198	719	1444	720	1048
## ENSG00000169155.10	1079	1372	1390	1584	1164
## ENSG00000177125.6	2087	2854	2682	3001	2335
## ENSG00000136828.19	949	1161	1202	1264	956
## ENSG00000136859.10	1267	1278	1549	1513	1882
## ENSG00000228487.2	6	8	9	5	2
## ENSG00000136895.19	224	251	271	265	279
## ENSG00000271833.1	6	8	23	11	18
## ENSG00000136856.18	1450	1988	1634	2102	2208
## ENSG00000196152.10	685	900	706	832	891
## ENSG00000197958.13	89980	103166	97661	101313	118511
## ENSG00000201302.1	12	14	20	15	14
## ENSG00000148356.15	1505	1547	1638	1523	1759
## ENSG00000136830.12	5505	6561	6055	6765	7076
## ENSG00000136854.25	1600	1120	1994	1142	1678
## ENSG00000160401.15	134	121	144	146	161
## ENSG00000160404.18	787	871	842	801	1106
## ENSG00000095370.20	236	174	283	180	262
## ENSG00000136807.14	4006	4450	4529	4727	5013
## ENSG00000136877.15	3340	3310	3467	3438	4452

## ENSG00000106991.14	30	52	67	61	48
## ENSG00000225032.5	5	3	11	2	4
## ENSG00000106992.19	326	404	419	410	526
## ENSG00000257524.6	7	8	7	2	6
## ENSG00000160408.16	5	10	7	7	7
## ENSG00000136840.19	487	366	514	398	563
## ENSG00000167103.12	29	32	44	47	43
## ENSG00000227218.7	15	22	12	21	10
## ENSG00000136908.18	2681	3005	3023	3046	3688
## ENSG00000167106.12	2558	2680	2852	2851	2963
## ENSG00000171169.9	362	447	445	451	558
## ENSG00000148339.13	663	812	739	861	802
## ENSG00000234771.3	163	271	254	360	194
## ENSG00000148334.16	4303	4199	4433	4371	5878
## ENSG00000232850.3	4	7	8	12	7
## ENSG00000148346.12	29	23	30	27	40
## ENSG00000171159.5	3958	3254	4064	3098	5646
## ENSG00000148337.22	6325	6440	6746	6461	7526
## ENSG00000106976.22	519	296	614	396	479
## ENSG00000167110.19	3057	3912	3484	4112	3497
## ENSG00000175854.15	1121	1122	1247	1203	1373
## ENSG00000167112.10	3224	3837	3398	3769	4102
## ENSG00000272696.1	8	12	6	13	7
## ENSG00000167113.11	1767	1852	1760	1803	2341
## ENSG00000167114.13	3713	4064	3582	3776	4749
## ENSG00000223551.1	136	204	172	215	194
## ENSG00000167118.11	3937	4093	3924	4073	5153
## ENSG00000167123.20	695	585	764	589	845
## ENSG00000273186.1	3	7	11	5	13
## ENSG00000136811.17	3356	3680	3881	3874	4030
## ENSG00000119392.16	3127	3854	3516	3719	3772
## ENSG00000228395.3	11	17	14	14	17
## ENSG00000197694.19	29205	39415	32297	36323	33877
## ENSG00000280758.1	3	18	6	5	10
## ENSG00000119333.12	4059	3789	3919	3612	5712
## ENSG00000119335.18	63901	76669	77105	73185	74750
## ENSG00000160447.7	1538	1422	1799	1572	1923
## ENSG00000160446.19	1844	1883	1943	1791	2763
## ENSG00000223478.2	76	73	82	98	103
## ENSG00000160445.11	3081	3242	3277	3276	3743
## ENSG00000107021.16	3278	3329	3676	3412	4126
## ENSG00000167136.7	226	178	174	214	319
## ENSG00000198917.13	6	10	10	8	5
## ENSG00000171097.14	15	16	17	13	14
## ENSG00000136802.12	8195	9533	8987	9554	10293
## ENSG00000175287.19	290	248	305	226	327
## ENSG00000175283.8	2180	2876	2394	2953	3147
## ENSG00000095319.14	8701	9364	10027	9547	9688
## ENSG00000148341.18	2540	2741	2572	3005	3331
## ENSG00000148343.19	735	828	725	880	779
## ENSG00000167130.18	1992	2401	2189	2453	2525
## ENSG00000095321.18	1158	1260	1381	1205	1625
## ENSG00000119383.21	14350	16155	15400	15244	18738
## ENSG00000188483.8	1476	1651	1550	1993	2159

## ENSG00000224307.4	9	11	11	4	4
## ENSG00000233901.8	117	157	128	170	189
## ENSG00000204054.14	1469	1754	1536	1815	1596
## ENSG00000227619.3	17	19	17	22	14
## ENSG00000148335.15	1877	2088	2046	2092	2656
## ENSG00000179058.8	1	1	1	9	7
## ENSG00000148331.12	1312	1473	1452	1562	1554
## ENSG00000234789.1	5	4	5	4	3
## ENSG00000167157.11	36	11	42	26	48
## ENSG00000148344.11	25	31	27	38	26
## ENSG00000136816.16	1246	1647	1520	1785	1620
## ENSG00000136827.12	4101	5493	4439	5305	5361
## ENSG00000136819.15	3037	3572	3556	3558	3564
## ENSG00000136878.14	1862	1981	1955	2048	2164
## ENSG00000187239.19	3261	3774	3729	3951	3462
## ENSG00000288924.1	259	324	370	268	359
## ENSG00000148358.21	10765	14553	12487	14473	11589
## ENSG00000107130.10	8103	9422	8909	9083	10482
## ENSG00000148357.18	41	30	57	35	41
## ENSG00000130707.18	988	1183	1340	1284	1233
## ENSG00000107164.17	5487	7234	6759	6729	6031
## ENSG00000130711.5	15	11	19	12	21
## ENSG00000130713.17	3656	4298	4464	4832	4580
## ENSG00000097007.20	14278	16034	15377	16292	15857
## ENSG00000188710.3	15	22	19	19	29
## ENSG00000130720.13	28	39	24	27	23
## ENSG00000050555.19	54	31	44	45	59
## ENSG00000126878.13	8129	8793	8710	8033	9735
## ENSG00000126883.19	5060	5794	5959	6170	5538
## ENSG00000126882.14	108	106	128	116	138
## ENSG00000160539.6	158	146	165	134	227
## ENSG00000288701.1	16218	18201	18786	19280	17349
## ENSG00000235284.1	5	10	9	8	7
## ENSG00000231587.1	18	18	26	28	25
## ENSG00000130714.19	1928	2403	2035	2298	2639
## ENSG00000130717.13	2238	2331	2479	2484	2935
## ENSG00000283526.2	140	84	174	87	139
## ENSG00000107263.19	6115	7343	6716	7117	7090
## ENSG00000160563.14	2269	2741	2452	2726	3183
## ENSG00000196358.12	99	31	105	45	101
## ENSG00000107290.14	6680	8168	7795	8446	6343
## ENSG00000125482.13	1655	1955	1897	1919	1821
## ENSG00000188523.9	43	18	49	21	46
## ENSG00000125485.18	1738	2157	2029	2143	2080
## ENSG00000125484.12	9582	11398	11171	11387	10171
## ENSG00000165695.10	127	112	156	92	170
## ENSG00000165698.16	237	327	338	336	413
## ENSG00000165699.15	2951	3962	3697	4524	3036
## ENSG00000165702.15	12	15	2	19	4
## ENSG00000196205.8	5983	8078	7202	8489	9945
## ENSG00000288989.2	6	6	10	8	8
## ENSG00000148308.18	6598	6778	6808	6840	8011
## ENSG00000170835.17	419	520	558	608	635
## ENSG00000290769.1	12	8	10	13	19

## ENSG00000160271.16	579	694	687	765	770
## ENSG00000148288.13	82	119	147	132	165
## ENSG00000175164.16	66	77	110	144	99
## ENSG00000148296.7	3594	3937	3965	3903	4040
## ENSG00000148297.16	3745	4149	4046	4104	4574
## ENSG00000148303.17	169738	195864	188523	189479	239683
## ENSG00000148290.10	2942	3405	3003	3052	3744
## ENSG00000148291.10	849	847	789	865	1086
## ENSG00000148248.14	25273	31033	28220	32110	32332
## ENSG00000198870.8	41	29	50	39	45
## ENSG00000148300.12	3520	4041	3877	3968	4323
## ENSG00000160323.19	186	193	208	218	169
## ENSG00000160325.15	3015	3531	3106	3395	3905
## ENSG00000160326.14	905	965	908	983	1209
## ENSG00000197859.11	10	5	9	6	13
## ENSG00000196990.10	6	10	17	11	21
## ENSG00000123454.12	15	15	25	27	34
## ENSG00000225756.1	15	11	25	19	29
## ENSG00000123453.19	398	246	420	308	402
## ENSG00000160293.17	7358	9417	9004	9997	8921
## ENSG00000235106.10	1902	1979	2239	2022	2470
## ENSG00000169925.17	8381	9639	9850	8988	9864
## ENSG00000235138.1	17	23	16	28	16
## ENSG00000196363.10	5278	6048	6050	6140	6307
## ENSG00000221676.1	5	1	5	5	6
## ENSG00000273473.1	11	3	8	3	5
## ENSG00000186350.12	6359	7176	6954	7066	7699
## ENSG00000130635.17	5172	6237	6153	6395	7278
## ENSG00000130558.20	219	168	233	187	201
## ENSG00000225361.4	121	145	146	170	134
## ENSG00000196422.11	3046	3531	3531	3603	3696
## ENSG00000160345.13	893	815	898	837	1242
## ENSG00000122140.13	4395	4641	4521	4574	5885
## ENSG00000226706.1	3	9	6	13	9
## ENSG00000148386.10	40	20	46	20	11
## ENSG00000107147.14	8	7	9	11	4
## ENSG00000130559.19	5654	6446	6538	6927	6258
## ENSG00000238058.2	64	68	68	60	58
## ENSG00000130560.9	2486	2785	2706	2784	3338
## ENSG00000148411.8	2524	3129	3051	3197	3065
## ENSG00000260193.1	24	47	40	60	53
## ENSG00000238227.8	4441	5226	4873	5066	6061
## ENSG00000275329.1	33	32	20	30	25
## ENSG00000165661.18	2306	2973	2814	3136	2649
## ENSG00000260220.7	24	23	17	25	15
## ENSG00000262075.3	8	5	4	4	9
## ENSG00000160360.13	3468	3324	3548	3405	4318
## ENSG00000213221.5	13	7	16	16	15
## ENSG00000289701.1	3	7	6	1	7
## ENSG00000187796.16	61	71	46	56	65
## ENSG00000165684.6	1815	1989	1892	2049	2050
## ENSG00000165689.17	3208	3728	3545	3942	4139
## ENSG00000165688.14	5449	6123	5832	6133	6833
## ENSG00000148384.14	844	844	931	982	1116

## ENSG00000148396.19	9775	10892	10938	11378	10681
## ENSG00000196366.3	5	11	9	22	8
## ENSG00000148400.13	2810	2277	3166	2438	3338
## ENSG00000237886.2	9	8	10	18	11
## ENSG00000279141.4	7	5	11	5	3
## ENSG00000172889.16	1151	1251	1188	1299	1806
## ENSG00000169692.14	2745	2991	3099	2972	3930
## ENSG00000165716.11	2242	2227	2221	2479	3052
## ENSG00000233016.9	1475	1721	1609	1898	1864
## ENSG00000274356.1	8	9	6	2	12
## ENSG00000177984.7	29	125	41	159	94
## ENSG00000244187.8	2962	4580	3276	4807	4676
## ENSG00000213213.14	78	109	96	126	107
## ENSG00000273066.5	97	178	122	182	150
## ENSG00000228544.1	47	65	60	65	52
## ENSG00000196642.19	15495	18276	16048	17013	21068
## ENSG00000213212.3	13	17	18	14	16
## ENSG00000265806.1	57	85	69	92	50
## ENSG00000232434.3	113	151	145	173	167
## ENSG00000054148.18	4554	5881	4464	6475	8058
## ENSG00000288873.2	1	4	3	6	5
## ENSG00000177943.14	178	249	205	320	264
## ENSG00000107223.13	10015	11798	11358	11997	15845
## ENSG00000127191.18	1895	1983	1968	2083	2295
## ENSG00000213590.2	11	4	1	3	8
## ENSG00000260190.1	13	12	10	1	8
## ENSG00000159069.14	4649	5196	4730	5116	6426
## ENSG00000176919.13	13	8	6	16	20
## ENSG00000184925.12	11	13	12	20	12
## ENSG00000107317.13	10	1	4	3	7
## ENSG00000148362.11	1180	1074	1162	1093	1715
## ENSG00000169583.13	5	5	2	5	9
## ENSG00000107331.18	3055	3489	3482	4032	4123
## ENSG00000180539.8	6	11	8	19	7
## ENSG00000107281.10	1638	1643	1665	1616	2421
## ENSG00000054179.12	23	52	44	68	38
## ENSG00000186193.9	1907	2062	2104	2272	2533
## ENSG00000197355.11	213	217	239	312	271
## ENSG00000268996.3	41	53	44	44	58
## ENSG00000177239.16	5047	6175	5123	5905	6852
## ENSG00000176978.15	1788	1695	1903	1846	2495
## ENSG00000176884.17	74	72	71	70	88
## ENSG00000184709.7	25	15	25	11	36
## ENSG00000176248.9	1838	1896	1870	2112	2390
## ENSG00000176101.12	2194	2317	2280	2318	3248
## ENSG00000176058.13	1274	1289	1371	1410	1843
## ENSG00000187713.7	2428	2834	2779	3143	3168
## ENSG00000188566.15	1206	1189	1263	1207	1396
## ENSG00000212864.4	442	387	462	382	650
## ENSG00000197191.7	46	71	65	58	72
## ENSG00000233198.4	32	40	27	38	41
## ENSG00000198569.10	39	27	34	36	34
## ENSG00000188229.6	33654	37971	36146	38719	48671
## ENSG00000188986.9	5175	5423	5704	5747	7300

## ENSG00000198113.3	555	493	625	582	802
## ENSG00000260996.1	20	42	38	41	32
## ENSG00000288234.1	11	25	13	28	11
## ENSG00000198435.4	3601	4793	4008	5059	4934
## ENSG00000187609.16	433	483	477	457	569
## ENSG00000188747.9	99	115	102	138	154
## ENSG00000188833.10	57	54	51	66	93
## ENSG00000165802.23	7476	7976	7840	7775	9456
## ENSG00000130653.16	77	46	72	63	74
## ENSG00000182154.8	1210	1061	1214	1285	1818
## ENSG00000148399.13	1201	1350	1351	1484	1572
## ENSG00000165724.6	1755	2049	1922	2061	2434
## ENSG00000197070.14	1006	1154	1134	1227	1342
## ENSG00000203993.7	758	759	862	822	897
## ENSG00000181090.21	6089	6873	6952	7509	7207
## ENSG00000293104.1	2	14	15	12	3
## ENSG00000148408.14	271	173	390	241	252
## ENSG00000290588.1	3	73	4	86	84
## ENSG00000015171.21	5646	7487	6767	7221	6106
## ENSG00000151240.18	2647	2963	3043	3197	2817
## ENSG00000180525.14	21	51	29	40	33
## ENSG00000107929.16	4579	5693	5591	5934	5161
## ENSG00000205740.2	35	25	30	33	21
## ENSG00000107937.19	8239	9522	9802	9995	9083
## ENSG00000232656.10	35	43	33	47	37
## ENSG00000067064.13	6149	8234	7134	6924	6593
## ENSG00000047056.18	1231	1560	1580	1677	1434
## ENSG00000229205.5	7	4	2	9	2
## ENSG00000185736.16	207	246	249	267	267
## ENSG00000287043.1	2	10	5	8	1
## ENSG00000287560.1	5	9	5	8	6
## ENSG00000273001.1	3	13	15	18	15
## ENSG00000067057.19	5486	7190	6425	7446	7292
## ENSG00000107959.17	5063	6137	5832	5971	5992
## ENSG00000237399.7	15	21	14	30	18
## ENSG00000067082.15	5309	8146	6717	8511	5967
## ENSG00000165568.18	115	160	160	187	151
## ENSG00000187134.14	174	170	192	149	173
## ENSG00000151632.18	531	496	625	500	504
## ENSG00000196139.14	104	153	162	185	122
## ENSG00000198610.11	5	8	7	8	5
## ENSG00000178473.7	86	9	68	10	37
## ENSG00000173848.19	7131	10805	8356	10145	7866
## ENSG00000288922.2	40	55	29	39	26
## ENSG00000196372.13	1878	2012	2072	2067	2420
## ENSG00000108021.22	6195	7642	7647	8096	5878
## ENSG00000057608.17	39785	47953	43500	44696	46009
## ENSG00000272764.1	9	8	9	8	5
## ENSG00000134461.16	553	528	574	543	682
## ENSG00000134452.20	4585	5494	5312	5626	5426
## ENSG00000232807.2	4	10	4	7	6
## ENSG00000134470.21	71	102	118	122	84
## ENSG00000134453.16	5902	6921	6858	6917	7002
## ENSG00000170525.21	3357	3857	4086	4464	4204

## ENSG00000215244.4	9	11	13	8	4
## ENSG00000212743.2	6	2	3	7	3
## ENSG00000065675.16	493	505	611	545	538
## ENSG00000237943.8	270	318	317	334	303
## ENSG00000198879.13	1305	2277	1684	2245	1758
## ENSG00000278982.1	16	7	17	8	12
## ENSG00000123243.15	212	174	178	189	242
## ENSG00000151655.19	81	145	148	224	137
## ENSG00000151657.12	748	969	968	990	830
## ENSG00000165629.20	13387	16729	14757	16420	16414
## ENSG00000165632.9	1344	1591	1510	1532	1500
## ENSG00000107485.18	155	175	200	192	168
## ENSG00000213771.3	25	35	28	37	63
## ENSG00000048740.19	1809	2616	2185	2409	2272
## ENSG00000181800.6	3	8	3	11	2
## ENSG00000148429.15	3110	3562	3558	3336	3434
## ENSG00000134463.15	8	45	6	43	89
## ENSG00000148426.14	2009	2430	2311	2448	2613
## ENSG00000225778.5	19	15	13	14	6
## ENSG00000151461.20	3506	4482	4265	4503	3616
## ENSG00000181192.12	4281	5540	5510	5625	4680
## ENSG00000065665.21	1951	2237	2074	2131	2424
## ENSG00000165609.14	5995	7523	6771	7200	7307
## ENSG00000151465.14	8457	10132	9389	9811	10225
## ENSG00000228302.2	19	7	20	18	23
## ENSG00000183049.14	249	136	269	139	203
## ENSG00000151468.11	204	239	225	279	322
## ENSG00000123240.17	3090	4572	3773	4346	3489
## ENSG00000234175.1	13	7	8	10	5
## ENSG00000065328.17	2694	2737	2923	2686	2888
## ENSG00000272055.1	7	2	7	14	10
## ENSG00000107537.14	2630	3178	2905	3247	3025
## ENSG00000086475.15	14461	18596	16254	16795	17888
## ENSG00000289585.2	10	6	8	5	9
## ENSG00000165626.19	1159	1110	1322	1125	1152
## ENSG00000165630.15	1551	1914	1768	1928	1578
## ENSG00000151474.23	3570	5063	4263	4962	4894
## ENSG00000234091.1	3	3	5	6	2
## ENSG00000065809.14	14155	19001	16306	16934	15205
## ENSG00000185267.10	46	63	46	63	53
## ENSG00000284024.4	2755	3383	3061	3280	3150
## ENSG00000187522.16	1240	1562	1468	1652	1391
## ENSG00000272853.2	12	17	16	13	16
## ENSG00000152455.16	3415	3993	3491	3385	3519
## ENSG00000152457.19	1003	1303	1313	1294	1080
## ENSG00000197889.10	19	22	21	15	34
## ENSG00000176244.7	194	178	237	161	235
## ENSG00000176236.6	11	12	15	14	8
## ENSG00000152464.15	1079	1376	1219	1380	1354
## ENSG00000152465.18	2402	2477	2730	2449	2755
## ENSG00000148468.17	6515	7212	7352	7478	7729
## ENSG00000232739.1	20	26	20	31	19
## ENSG00000077943.8	74	310	145	437	188
## ENSG00000148481.14	1619	2298	1961	2073	1877

## ENSG00000165983.15	2671	4396	3338	3610	2839
## ENSG00000165985.11	683	1055	832	889	815
## ENSG00000287925.1	104	148	164	167	121
## ENSG00000148484.18	4457	5691	4750	5418	5163
## ENSG00000107611.16	141	252	389	546	220
## ENSG00000107614.22	740	919	680	832	717
## ENSG00000229124.8	53	95	67	84	82
## ENSG00000026025.16	41882	58668	48561	49252	57404
## ENSG00000148488.17	41	17	41	33	23
## ENSG00000204832.10	5	0	8	4	2
## ENSG00000165996.14	661	570	776	604	719
## ENSG00000260589.1	16	19	20	22	13
## ENSG00000136738.15	3064	3885	3583	3911	3297
## ENSG00000148483.9	51	17	37	10	16
## ENSG00000260314.3	4	4	5	2	5
## ENSG00000165995.24	94	90	112	113	107
## ENSG00000240291.1	18	21	33	18	27
## ENSG00000241058.4	600	770	610	713	625
## ENSG00000165997.5	11122	16711	13575	13723	11600
## ENSG00000204740.11	177	384	189	473	226
## ENSG00000285852.1	8	8	10	9	8
## ENSG00000120594.17	3016	3851	3341	3631	3395
## ENSG00000078114.19	408	318	474	407	448
## ENSG00000204682.9	315	283	362	291	385
## ENSG00000180592.17	648	573	765	604	756
## ENSG00000078403.17	2149	2655	2654	3040	2262
## ENSG00000223984.1	6	4	2	7	10
## ENSG00000136770.11	1888	2604	2191	2401	2333
## ENSG00000148444.16	447	509	448	510	536
## ENSG00000168283.14	1226	1610	1495	1343	1318
## ENSG00000077327.16	279	275	337	230	300
## ENSG00000286810.1	6	7	6	11	2
## ENSG00000285254.2	6	6	3	6	9
## ENSG00000150867.14	2367	2496	2873	2365	2797
## ENSG00000165309.14	400	486	493	449	470
## ENSG00000148450.13	1371	1787	1721	1759	1878
## ENSG00000229932.3	64	77	68	97	88
## ENSG00000168267.7	21	4	20	8	21
## ENSG00000179133.15	45	38	19	37	36
## ENSG00000224215.1	3	5	5	6	3
## ENSG00000287124.2	1	5	2	10	2
## ENSG00000165312.7	1449	2130	1893	2021	1669
## ENSG00000120549.19	5148	8130	6257	8394	6225
## ENSG00000107863.20	7274	9818	8123	9426	7434
## ENSG00000099256.19	2225	1952	2293	1774	2298
## ENSG00000151023.17	91	135	130	122	127
## ENSG00000185875.13	1712	2069	1870	1914	1799
## ENSG00000151025.11	150	239	162	206	214
## ENSG00000095777.17	1324	1428	1456	1368	1311
## ENSG00000136750.13	680	441	698	353	622
## ENSG00000077420.16	49	55	57	59	47
## ENSG00000279212.1	4	5	4	5	6
## ENSG00000148459.16	951	1089	968	1091	1069
## ENSG00000136754.18	3664	4784	4250	4769	4287

## ENSG00000290706.1	5	8	3	8	11
## ENSG00000107890.17	1282	1461	1528	1402	1143
## ENSG00000136758.20	15930	19677	18408	19231	16686
## ENSG00000120539.15	2120	2366	2337	2374	2203
## ENSG00000107897.20	2078	2761	2515	2839	2255
## ENSG00000230445.5	13	26	29	22	16
## ENSG00000099246.18	6094	8454	7378	7449	6764
## ENSG00000285737.1	4	7	8	7	0
## ENSG00000150051.14	16	26	13	25	22
## ENSG00000169126.16	14	7	20	9	12
## ENSG00000150054.19	971	1141	1160	1102	1043
## ENSG00000254635.6	1206	1577	1461	1326	1406
## ENSG00000095787.26	10504	13832	13308	14366	11794
## ENSG00000095739.11	1172	1762	1522	1715	1742
## ENSG00000229605.5	5	8	6	8	14
## ENSG00000291093.1	29	281	36	292	246
## ENSG00000197321.16	5039	6245	5707	5984	4624
## ENSG00000165757.9	1581	1736	1797	1613	1432
## ENSG00000259994.1	86	111	144	131	116
## ENSG00000107951.15	1568	2100	1935	2020	1769
## ENSG00000107968.10	350	477	395	539	365
## ENSG00000234814.9	8	9	13	12	11
## ENSG00000183621.15	512	519	562	529	522
## ENSG00000272914.1	4	3	5	6	9
## ENSG00000287564.2	10	6	2	10	6
## ENSG00000237036.7	301	283	303	234	265
## ENSG00000148516.23	860	679	995	654	1129
## ENSG00000289412.2	9	4	11	7	12
## ENSG00000165322.18	2428	3120	2983	3125	2335
## ENSG00000170759.11	23035	30699	27610	28856	23323
## ENSG00000234335.1	12	15	18	19	26
## ENSG00000217094.2	66	71	77	97	110
## ENSG00000120616.16	1803	2570	2102	2526	2101
## ENSG00000216937.14	38	39	36	42	24
## ENSG00000231245.2	33	38	33	41	34
## ENSG00000150093.20	42819	56742	51330	56046	47207
## ENSG00000229656.9	4	16	7	15	9
## ENSG00000235962.5	11	12	12	15	21
## ENSG00000099250.18	5075	7106	5779	6500	6428
## ENSG00000148498.17	6672	7730	7617	7589	7334
## ENSG00000108094.17	3834	4707	4340	4718	4242
## ENSG00000095794.21	1052	1323	1167	1390	1373
## ENSG00000269952.1	22	12	15	11	18
## ENSG00000108100.18	6171	7176	7463	7012	7052
## ENSG00000271335.6	35	52	51	52	53
## ENSG00000177283.8	2436	2821	2616	2430	3556
## ENSG00000287528.1	7	18	4	11	9
## ENSG00000229644.6	29	56	36	56	43
## ENSG00000198105.16	626	1433	778	1473	1261
## ENSG00000175395.16	173	212	192	221	170
## ENSG00000189180.16	4048	5462	5047	5385	4200
## ENSG00000226086.5	9	6	9	12	20
## ENSG00000075407.19	1365	1458	1574	1427	1125
## ENSG00000272983.1	8	17	29	17	11

## ENSG00000290535.1	17	5	8	14	7
## ENSG00000291065.1	380	556	488	481	356
## ENSG00000185904.12	97	161	114	173	155
## ENSG00000293313.1	560	667	633	769	553
## ENSG00000233837.1	14	8	11	19	16
## ENSG00000196693.15	3970	5500	4524	5075	4114
## ENSG00000272319.2	3	4	5	7	5
## ENSG00000285884.3	9	4	8	3	8
## ENSG00000259869.2	46	66	53	54	53
## ENSG00000165733.8	9236	10898	10414	10692	9793
## ENSG00000165731.21	389	186	471	217	300
## ENSG00000273008.1	14	14	14	13	18
## ENSG00000169826.8	705	997	870	1050	740
## ENSG00000198915.12	452	324	542	430	418
## ENSG00000169813.17	27778	35551	32845	34870	33561
## ENSG00000230555.2	50	37	71	52	33
## ENSG00000243660.12	373	404	393	413	394
## ENSG00000196793.14	976	1123	1130	1139	1079
## ENSG00000232004.1	11	9	13	19	11
## ENSG00000198298.13	474	618	563	609	491
## ENSG00000169740.14	1795	2037	1846	2180	2008
## ENSG00000226245.1	14	13	10	14	14
## ENSG00000230565.1	27	37	34	34	37
## ENSG00000226790.3	7	12	13	26	20
## ENSG00000107562.18	1218	1023	1480	1060	1326
## ENSG00000214089.3	9	6	5	9	11
## ENSG00000224812.4	9	6	15	11	15
## ENSG00000187783.12	37	29	41	24	38
## ENSG00000107551.21	2689	3169	2852	3139	3221
## ENSG00000165507.9	2686	2639	2890	2415	2984
## ENSG00000165511.6	193	167	246	183	200
## ENSG00000165512.5	2526	3018	2806	2638	2799
## ENSG00000293022.1	6	11	9	6	7
## ENSG00000256574.8	22	25	23	21	33
## ENSG00000012779.12	97	133	136	161	115
## ENSG00000165406.16	2761	2986	3126	2887	2643
## ENSG00000172671.20	476	637	736	672	551
## ENSG00000172661.20	2680	3463	3091	3329	2787
## ENSG00000188234.15	134	170	206	273	121
## ENSG00000290921.1	68	90	95	138	71
## ENSG00000239883.10	37	39	31	63	24
## ENSG00000265354.4	6021	7215	6517	7329	7493
## ENSG00000266412.6	30149	42159	33600	39156	33674
## ENSG00000289092.1	106	122	146	137	139
## ENSG00000263639.7	639	677	696	697	723
## ENSG00000264204.2	13	22	11	14	13
## ENSG00000279058.2	4	6	12	5	5
## ENSG00000285294.1	27	11	27	15	22
## ENSG00000213412.3	16	19	19	21	23
## ENSG00000204174.8	3	5	5	6	3
## ENSG00000204175.6	1540	1783	1942	2172	1900
## ENSG00000204176.14	8	8	19	17	12
## ENSG00000231187.3	15	25	21	31	27
## ENSG00000165874.14	5	11	7	8	7

## ENSG00000290875.1	4	4	6	5	4
## ENSG00000291069.1	44	61	79	80	43
## ENSG00000243289.2	22	17	21	30	9
## ENSG00000266524.3	13	18	15	21	24
## ENSG00000265203.2	10	12	10	16	16
## ENSG00000265763.4	356	487	419	541	624
## ENSG00000265190.7	22	5	18	7	13
## ENSG00000204172.12	102	103	120	167	105
## ENSG00000254929.6	4	8	8	6	3
## ENSG00000290453.1	4	11	5	12	2
## ENSG00000189014.7	33	38	43	58	46
## ENSG00000226964.1	27	25	37	42	39
## ENSG00000277758.6	31	36	55	57	50
## ENSG00000276850.5	130	103	110	70	142
## ENSG00000273760.1	63	32	56	41	67
## ENSG00000289444.1	2	8	5	11	4
## ENSG00000170324.21	248	567	292	557	382
## ENSG00000107643.17	5277	7209	6394	7296	5993
## ENSG00000279822.1	26	16	22	16	28
## ENSG00000128805.15	380	325	413	383	533
## ENSG00000165633.13	41	34	29	49	44
## ENSG00000225830.16	808	1172	999	1162	770
## ENSG00000187714.7	12	15	13	7	17
## ENSG00000197444.10	452	427	621	456	502
## ENSG00000229870.1	17	21	19	24	17
## ENSG00000227345.9	5098	6254	5883	6564	5087
## ENSG00000204152.14	272	389	322	394	324
## ENSG00000178440.9	18	26	23	29	18
## ENSG00000222108.1	4	9	9	8	11
## ENSG00000285803.1	19	17	16	28	13
## ENSG00000204149.16	15	25	27	37	24
## ENSG00000290956.1	8	3	3	7	0
## ENSG00000099290.17	2445	3089	2715	3006	2559
## ENSG00000188611.17	920	1528	990	1640	922
## ENSG00000225137.1	59	61	69	52	72
## ENSG00000198964.14	1471	2529	1773	2448	1795
## ENSG00000286401.1	4	12	3	10	11
## ENSG00000279863.1	33	43	47	55	37
## ENSG00000226200.7	144	160	109	131	133
## ENSG00000293353.1	18	57	31	53	48
## ENSG00000287221.1	8	13	15	7	7
## ENSG00000204147.11	814	1107	890	1139	805
## ENSG00000148584.16	5292	7878	6355	7157	5283
## ENSG00000185532.20	479	440	587	353	555
## ENSG00000177613.9	3184	3710	3794	3659	3637
## ENSG00000236671.9	15	11	20	9	23
## ENSG00000107984.10	3750	3039	3883	3092	5617
## ENSG00000231131.10	21	31	35	29	34
## ENSG00000165471.7	24	34	57	69	34
## ENSG00000285958.1	6	19	8	24	10
## ENSG00000227121.2	3383	6044	3740	5535	4566
## ENSG00000150275.20	195	439	232	494	329
## ENSG00000236993.2	8	9	4	17	10
## ENSG00000122952.17	3351	3631	3763	3462	3978

## ENSG00000287016.1	34	24	28	26	24
## ENSG00000151151.6	1062	1750	1461	1381	1104
## ENSG00000122873.12	2032	2463	2147	2150	2424
## ENSG00000072401.15	3496	5719	4505	4192	4381
## ENSG00000108064.11	5717	7545	6680	7079	6049
## ENSG00000122870.12	5464	7718	6202	7027	6720
## ENSG00000165443.12	1166	697	1161	733	897
## ENSG00000148541.13	189	258	241	254	271
## ENSG00000165449.12	1665	1552	1950	1606	2027
## ENSG00000108091.11	7665	9734	9315	9540	7992
## ENSG00000151150.22	2517	3573	3023	3880	2599
## ENSG00000232682.2	9	3	1	6	6
## ENSG00000170312.17	5442	6751	6401	6356	5807
## ENSG00000072422.17	3058	4072	3675	4367	3531
## ENSG00000196932.12	2	5	4	9	5
## ENSG00000183346.9	92	97	97	81	108
## ENSG00000150347.17	4660	5264	5719	5382	5099
## ENSG00000182010.11	1633	1836	2006	1816	1656
## ENSG00000138311.18	7	11	11	5	13
## ENSG00000181915.6	3634	4598	4098	4381	4280
## ENSG00000122877.18	64	132	63	181	122
## ENSG00000148572.16	1655	2263	1920	2267	2056
## ENSG00000171988.20	3850	5182	5094	5488	3684
## ENSG00000234369.1	5	7	9	9	6
## ENSG00000272767.1	44	40	43	33	61
## ENSG00000165476.14	4175	5679	5596	5711	4524
## ENSG00000213609.3	83	136	91	114	141
## ENSG00000235489.4	17	13	13	18	16
## ENSG00000228065.13	447	544	503	490	458
## ENSG00000183230.18	122	170	184	153	154
## ENSG00000198739.11	64	27	77	36	35
## ENSG00000108176.15	697	505	743	460	674
## ENSG00000272892.1	2	3	2	8	8
## ENSG00000219932.6	10	7	2	21	18
## ENSG00000096717.12	2648	3203	3019	2924	2687
## ENSG00000148634.16	2426	3303	3085	3600	2631
## ENSG00000226318.1	8	2	5	4	4
## ENSG00000179774.9	13	11	5	9	8
## ENSG00000108187.16	185	315	201	275	225
## ENSG00000096746.18	15775	18526	20192	18534	17597
## ENSG00000204130.14	854	1058	873	1054	897
## ENSG00000138346.16	2657	3210	3250	3444	2765
## ENSG00000122912.15	894	1065	1017	1131	966
## ENSG00000138336.9	3234	3518	3865	3437	2902
## ENSG00000260400.1	437	524	481	433	553
## ENSG00000060339.14	8739	11981	10502	11947	9151
## ENSG00000221184.1	10	14	20	10	13
## ENSG00000165730.16	288	265	303	253	318
## ENSG00000107625.14	4688	5108	5625	5068	4859
## ENSG00000165732.14	24215	30042	28270	29435	24793
## ENSG00000198954.9	2701	3041	3033	3041	2881
## ENSG00000122958.15	8021	10398	8729	9106	8688
## ENSG00000156502.14	2603	3254	3082	3297	3252
## ENSG00000156510.13	819	1931	1163	1946	1005

## ENSG00000156515.25	7995	9528	8901	9159	9727
## ENSG00000099282.10	1802	2221	2101	1975	2227
## ENSG00000287306.1	17	16	9	17	26
## ENSG00000122859.5	839	457	962	526	643
## ENSG00000236154.3	51	40	77	26	44
## ENSG00000171224.9	712	732	896	785	954
## ENSG00000197467.17	21	26	40	24	31
## ENSG00000224222.2	6	4	7	3	9
## ENSG00000099284.15	11188	11789	11819	11142	13891
## ENSG00000042286.15	871	823	999	910	1072
## ENSG00000156521.14	1107	1152	1240	1387	1488
## ENSG00000079332.16	7691	10204	9478	10217	8974
## ENSG00000229097.1	11	17	16	35	25
## ENSG00000180817.12	16656	20237	18821	19089	19667
## ENSG00000172731.15	4298	4749	4925	4909	5241
## ENSG00000148730.7	25702	31310	29975	30516	27702
## ENSG00000156574.10	4	8	9	6	4
## ENSG00000280401.1	2	6	8	9	5
## ENSG00000107719.10	396	319	460	344	538
## ENSG00000138316.11	8	13	13	11	9
## ENSG00000166224.18	7995	10117	9248	9562	8994
## ENSG00000166228.9	6059	6597	6828	6429	8010
## ENSG00000107731.12	2616	3362	3099	3613	3439
## ENSG00000237512.7	134	165	135	164	267
## ENSG00000198246.10	924	1119	1060	1075	1372
## ENSG00000279406.1	46	53	39	43	74
## ENSG00000107736.22	100	91	114	105	161
## ENSG00000107738.20	940	1199	1043	1080	1385
## ENSG00000197746.15	76137	106239	89558	111897	102192
## ENSG00000122863.6	8578	11060	9620	10700	10633
## ENSG00000107742.14	45090	68657	49162	65598	66048
## ENSG00000138303.19	3627	4489	3982	4562	4279
## ENSG00000226701.1	18	13	17	26	26
## ENSG00000166295.9	5918	7499	6884	7086	7310
## ENSG00000289506.2	4	8	5	11	4
## ENSG00000168209.6	7278	9665	9180	11808	11243
## ENSG00000148719.16	2319	2770	2705	2699	3236
## ENSG00000107745.20	3935	4674	4415	4566	4542
## ENSG00000156026.15	7264	8393	8332	8149	7969
## ENSG00000138315.13	46	140	57	162	88
## ENSG00000215086.2	59	59	58	76	87
## ENSG00000138308.6	105	300	194	355	130
## ENSG00000213700.3	42	36	51	61	51
## ENSG00000122884.13	7820	11764	9764	12273	10145
## ENSG00000272630.1	16	27	21	23	15
## ENSG00000166321.14	89	105	150	118	94
## ENSG00000272599.2	43	35	41	25	27
## ENSG00000221164.1	27	31	36	34	36
## ENSG00000122882.11	3735	4584	4122	4351	4286
## ENSG00000138286.15	1432	1868	1694	1814	1629
## ENSG00000213551.7	1776	2014	2007	1983	2079
## ENSG00000288559.1	111	157	126	187	135
## ENSG00000236756.4	52	54	50	65	32
## ENSG00000182180.14	6890	8547	7501	8075	8805

## ENSG00000227540.1	30	40	44	37	41
## ENSG00000156042.19	107	149	123	136	84
## ENSG00000138279.16	7106	8776	8057	8604	7998
## ENSG00000229659.1	21	20	25	31	25
## ENSG00000166343.10	28	56	55	56	28
## ENSG00000107758.16	4427	5490	4915	4804	4969
## ENSG00000221817.12	101	118	99	101	97
## ENSG00000166348.20	2792	3825	3342	3905	2798
## ENSG00000268584.1	7	9	27	17	15
## ENSG00000272791.1	7	16	16	11	15
## ENSG00000177791.12	40	31	43	21	53
## ENSG00000166317.12	3	19	5	20	20
## ENSG00000172650.15	4	1	5	6	6
## ENSG00000271816.1	5	13	7	9	5
## ENSG00000272140.2	14	6	21	20	18
## ENSG00000290737.1	2	3	5	11	7
## ENSG00000291043.1	35	55	48	52	44
## ENSG00000250959.5	4	10	1	8	5
## ENSG00000235316.1	35	26	42	22	24
## ENSG00000279088.2	134	193	187	222	223
## ENSG00000176986.16	5681	6760	6541	7111	6328
## ENSG00000279689.1	9	9	9	18	13
## ENSG00000196968.11	1186	1490	1350	1504	1484
## ENSG00000288823.1	94	94	96	84	68
## ENSG00000172586.8	1921	2404	2033	2529	2462
## ENSG00000214655.11	2523	3068	2768	3330	3102
## ENSG00000166507.19	5	5	16	19	10
## ENSG00000148660.22	1554	2295	1933	2572	2030
## ENSG00000122861.16	1990	5140	2638	4442	2771
## ENSG00000222047.9	2	9	9	10	12
## ENSG00000035403.18	48974	73580	54373	68438	52713
## ENSG00000185009.13	8041	10075	9244	9720	8636
## ENSG00000156110.15	2242	3155	2688	3237	2539
## ENSG00000156650.14	2518	3051	2935	3084	2579
## ENSG00000156671.15	2181	3066	2696	3205	2427
## ENSG00000165637.14	16643	20046	20107	18358	20367
## ENSG00000165644.11	572	480	437	481	674
## ENSG00000226051.10	17	39	17	27	18
## ENSG00000165655.17	2376	1901	2608	1863	2776
## ENSG00000237149.5	381	261	378	299	486
## ENSG00000273248.2	9	8	5	9	7
## ENSG00000272692.2	8	16	16	14	20
## ENSG00000148655.16	45	29	51	22	51
## ENSG00000156113.25	2105	2389	2292	2393	2298
## ENSG00000213514.2	4	11	7	4	8
## ENSG00000213513.3	10	14	13	18	7
## ENSG00000228748.2	5	9	9	14	9
## ENSG00000151208.17	5877	6814	6667	6998	6333
## ENSG00000233871.2	30	32	30	36	44
## ENSG00000148606.15	6034	6954	6486	7121	6455
## ENSG00000138326.21	97299	115422	114907	118926	126007
## ENSG00000230417.12	10	15	20	6	12
## ENSG00000224596.9	23	32	38	34	22
## ENSG00000108175.19	10005	11306	12348	12520	12024

## ENSG00000108179.14	6975	8117	7966	8471	9320
## ENSG00000165424.7	929	1228	1125	1158	1076
## ENSG00000253626.4	134	159	136	194	190
## ENSG00000244733.5	34	35	27	23	20
## ENSG00000225484.7	1193	1529	1382	1401	1308
## ENSG00000280355.1	43	79	91	66	50
## ENSG00000278616.1	61	72	77	53	78
## ENSG00000188199.11	14	10	6	12	6
## ENSG00000272447.1	114	139	109	105	129
## ENSG00000228570.8	46	40	61	47	40
## ENSG00000133661.17	5	7	0	7	1
## ENSG00000230091.6	33	22	31	42	30
## ENSG00000133678.14	1762	2207	1986	2221	1948
## ENSG00000189129.14	5	17	7	6	9
## ENSG00000122359.18	11843	13303	12793	13170	14760
## ENSG00000237523.2	441	644	467	587	543
## ENSG00000234743.1	57	63	31	59	66
## ENSG00000151224.13	31	31	63	54	17
## ENSG00000170788.14	5	6	2	3	8
## ENSG00000133665.13	141	121	122	104	106
## ENSG00000122378.14	13571	15953	16138	14576	15558
## ENSG00000108219.16	12636	15930	15485	17107	16287
## ENSG00000178217.15	9	6	5	8	3
## ENSG00000185737.13	45	43	64	62	111
## ENSG00000165678.22	16443	20949	18832	20077	19548
## ENSG00000148600.15	131	70	153	76	135
## ENSG00000229404.6	2	13	4	20	9
## ENSG00000107771.17	2912	3763	3485	3415	2940
## ENSG00000178429.9	143	139	144	238	288
## ENSG00000182771.19	97	71	66	56	116
## ENSG00000287475.1	5	10	9	14	15
## ENSG00000062650.20	8016	10290	9769	10262	8280
## ENSG00000227896.2	27	47	42	40	40
## ENSG00000122367.21	80	142	104	120	91
## ENSG00000272631.1	64	78	79	100	86
## ENSG00000107779.15	5893	7828	7014	7254	6403
## ENSG00000173269.14	24	25	36	32	20
## ENSG00000173267.14	139	117	158	93	202
## ENSG00000272734.1	123	101	167	124	158
## ENSG00000148672.10	16204	21702	20180	22971	19486
## ENSG00000122376.12	3052	3956	3593	3747	3035
## ENSG00000223482.10	2134	2844	2501	2582	2489
## ENSG00000287077.1	10	13	14	14	17
## ENSG00000285257.1	27	39	42	54	41
## ENSG00000184923.12	76	79	91	78	95
## ENSG00000224914.4	550	634	530	580	544
## ENSG00000214562.15	162	154	192	190	188
## ENSG00000286445.1	7	9	10	11	3
## ENSG00000107789.16	3322	4525	3927	4604	4051
## ENSG00000225913.2	9	9	20	21	10
## ENSG00000198682.13	1461	1608	1975	1706	1262
## ENSG00000138138.14	7832	10795	9530	10169	8833
## ENSG00000290782.1	26	26	26	36	35
## ENSG00000227268.5	186	299	210	257	248

## ENSG00000171862.15	6169	8089	7243	6855	6510
## ENSG00000213613.2	14	7	12	10	8
## ENSG00000184719.13	337	367	318	357	343
## ENSG00000204022.9	2	2	4	6	7
## ENSG00000152766.6	3	27	10	21	13
## ENSG00000138134.12	117	171	154	183	160
## ENSG00000107796.13	1916	4429	2476	4430	4291
## ENSG00000026103.25	634	1361	640	1242	931
## ENSG00000286116.1	4	6	5	6	6
## ENSG00000138135.7	133	42	145	44	85
## ENSG00000107798.18	3065	4381	3459	3891	3494
## ENSG00000119922.11	14	30	18	35	13
## ENSG00000119917.15	69	124	113	128	66
## ENSG00000185745.10	85	56	103	65	73
## ENSG00000152778.10	925	1031	1117	1018	919
## ENSG00000152779.14	285	162	400	110	249
## ENSG00000152782.19	3223	4315	3734	3876	3398
## ENSG00000232936.6	6	8	12	14	11
## ENSG00000235100.6	4	3	8	4	5
## ENSG00000240996.1	1	7	3	6	0
## ENSG00000138182.15	3369	4088	4047	4078	3403
## ENSG00000228938.3	6	3	5	5	7
## ENSG00000148680.16	18	12	22	18	25
## ENSG00000148688.14	2266	2616	2441	2483	2700
## ENSG00000148677.7	31989	50489	34601	47192	39879
## ENSG00000234043.3	22	13	18	18	13
## ENSG00000180628.15	4057	6240	4754	4994	4931
## ENSG00000289228.2	17	5	24	8	26
## ENSG00000165338.17	836	1112	1048	1007	909
## ENSG00000119938.9	871	737	1129	806	895
## ENSG00000228701.3	21	25	28	23	46
## ENSG00000107854.7	8686	11618	11019	11598	9012
## ENSG00000180581.7	71	68	65	65	73
## ENSG00000174721.10	385	424	479	382	599
## ENSG00000272817.1	5	9	6	12	9
## ENSG00000095564.15	3565	4597	4241	4472	3435
## ENSG00000107864.15	63	72	96	73	55
## ENSG00000105988.6	6	14	9	11	10
## ENSG00000198060.10	5174	7237	6612	7065	6257
## ENSG00000232709.1	10	10	7	13	13
## ENSG00000119912.18	8968	12140	10155	11303	9737
## ENSG00000138160.7	6685	7242	7480	6422	6624
## ENSG00000236493.2	7	7	16	16	15
## ENSG00000152804.11	1200	1334	1306	1329	1870
## ENSG00000138190.17	1322	1785	1547	1661	1526
## ENSG00000237417.1	5	13	14	14	12
## ENSG00000213432.2	5	2	6	13	8
## ENSG00000138119.17	16200	27393	20804	26195	16671
## ENSG00000138180.16	2303	2432	2544	2337	2340
## ENSG00000186188.11	28	25	34	26	19
## ENSG00000138207.15	1359	1769	3884	3019	1862
## ENSG00000095464.10	6	6	18	9	9
## ENSG00000148690.12	1504	2117	2016	1912	1664
## ENSG00000176273.15	1145	1497	1383	1484	1306

## ENSG00000138193.17	3185	3437	3736	3276	2707
## ENSG00000273450.1	8	14	3	5	8
## ENSG00000173145.11	2548	2940	2853	2802	2515
## ENSG00000108239.9	826	1174	1056	1103	801
## ENSG00000119969.16	3531	4675	4452	4382	4147
## ENSG00000108242.13	57	102	92	110	49
## ENSG00000165841.11	31	57	39	39	22
## ENSG00000138109.11	18	19	23	47	11
## ENSG00000233377.1	6	11	9	4	4
## ENSG00000138115.15	65	55	68	85	62
## ENSG00000231829.4	5	2	3	9	4
## ENSG00000288526.1	4	2	9	6	7
## ENSG00000173124.15	3	10	2	2	8
## ENSG00000234026.1	6	5	11	13	18
## ENSG00000107438.9	91834	119827	101870	116919	116566
## ENSG00000095637.23	3082	4249	3626	4269	2762
## ENSG00000214362.2	16	14	6	11	18
## ENSG00000059573.9	20700	26043	23291	25930	24974
## ENSG00000119977.22	8757	11068	9846	10527	10702
## ENSG00000138185.20	658	810	800	903	803
## ENSG00000226688.9	131	164	139	208	153
## ENSG00000188649.16	6	16	12	9	10
## ENSG00000107443.16	7655	10717	9516	10655	8393
## ENSG00000287009.1	25	27	17	18	27
## ENSG00000177853.15	2399	3759	2996	3581	2311
## ENSG00000095585.18	203	488	280	492	236
## ENSG00000095587.9	49	61	58	44	72
## ENSG00000077147.16	23466	34846	29102	30402	25030
## ENSG00000235677.1	6	5	5	4	10
## ENSG00000155629.15	770	921	899	928	985
## ENSG00000236552.2	1404	1590	1255	1420	2023
## ENSG00000196233.14	5460	8284	6925	7446	6103
## ENSG00000187122.17	149	42	202	48	174
## ENSG00000213390.11	2066	2282	2438	2479	2071
## ENSG00000165879.9	1081	1252	1252	1166	1333
## ENSG00000181274.7	3626	4696	3885	4433	4335
## ENSG00000225850.4	25	20	13	23	17
## ENSG00000052749.14	4777	4851	4940	4569	5446
## ENSG00000171314.9	14778	18417	16451	18457	19576
## ENSG00000171311.13	1955	2228	2037	2289	2478
## ENSG00000171307.19	4347	5294	4417	5026	5234
## ENSG00000155229.21	7837	8335	8606	8673	8807
## ENSG00000165886.5	1091	1059	1000	1027	1552
## ENSG00000241935.9	78	102	94	121	131
## ENSG00000171160.18	1164	1472	1427	1371	1405
## ENSG00000155252.14	2095	2533	2479	2798	2926
## ENSG00000119986.7	704	832	726	766	912
## ENSG00000155254.13	3182	3874	3429	4001	3904
## ENSG00000155256.18	1811	2203	1901	2454	2402
## ENSG00000120057.5	4746	7431	5272	7640	8154
## ENSG00000155265.12	105	80	109	86	105
## ENSG00000095713.14	266	295	253	297	446
## ENSG00000166024.14	1874	2361	2176	2347	2069
## ENSG00000138131.4	1172	1415	1313	1345	1606

## ENSG00000119943.13	190	235	223	253	280
## ENSG00000107521.21	908	984	1026	1010	1123
## ENSG00000287261.3	20	32	23	21	30
## ENSG00000119946.12	280	261	310	306	287
## ENSG00000120053.12	4219	5392	4913	5185	5280
## ENSG00000224934.6	38	75	55	67	53
## ENSG00000119919.12	0	7	4	10	5
## ENSG00000155287.12	507	615	623	633	659
## ENSG00000260475.2	8	2	1	6	4
## ENSG00000198018.7	5093	6391	5846	6247	5107
## ENSG00000119929.13	738	728	835	743	787
## ENSG00000014919.13	3434	4317	4063	4058	4081
## ENSG00000023839.12	29	44	55	47	35
## ENSG00000107554.17	2277	2964	2792	3277	2387
## ENSG00000120054.12	132	209	137	236	172
## ENSG00000107566.14	4629	6381	5560	6711	5523
## ENSG00000213341.11	2436	3510	3139	3438	2793
## ENSG00000236308.1	4	8	5	7	6
## ENSG00000227492.2	6	12	6	11	5
## ENSG00000095485.18	2054	2279	2248	2302	2331
## ENSG00000230224.1	6	3	5	11	6
## ENSG00000196072.12	3936	6265	4417	5458	5276
## ENSG00000099194.6	124566	161142	152334	160467	142541
## ENSG00000235823.5	535	596	625	542	654
## ENSG00000075290.8	159	218	157	194	185
## ENSG00000075826.17	133	159	183	190	131
## ENSG00000166136.16	748	920	870	962	963
## ENSG00000166135.14	6431	8482	7685	7974	7268
## ENSG00000272572.1	15	19	22	28	27
## ENSG00000119906.13	2340	2915	2859	2964	2425
## ENSG00000055950.17	2309	2787	2571	2921	3372
## ENSG00000095539.16	6017	8258	6870	8347	7687
## ENSG00000107815.10	3535	3900	3848	4124	4117
## ENSG00000107816.17	4616	5088	4799	5524	6321
## ENSG00000186862.20	15	24	22	25	35
## ENSG00000107819.15	789	766	954	861	1028
## ENSG00000273162.1	19	27	14	28	23
## ENSG00000107821.15	256	306	226	284	211
## ENSG00000107807.13	51	49	60	44	43
## ENSG00000138136.7	9	6	5	4	7
## ENSG00000227128.5	4	4	8	1	9
## ENSG00000289441.1	14	4	13	3	13
## ENSG00000166167.18	3469	4031	4279	4322	3853
## ENSG00000166171.13	1697	1826	1878	1949	2326
## ENSG00000166169.17	1792	1917	1868	2025	2131
## ENSG00000107829.15	2210	2651	2604	2679	2834
## ENSG00000107831.14	17	28	14	29	21
## ENSG00000107833.11	3072	3418	3281	3593	3926
## ENSG00000198408.14	6993	9665	8825	9711	6998
## ENSG00000226009.3	22	19	22	16	16
## ENSG00000120049.20	14	15	22	15	19
## ENSG00000120029.13	2590	3022	2958	3167	2995
## ENSG00000166189.8	2200	2561	2484	2495	3150
## ENSG00000198728.11	6236	6747	6788	7191	7832

## ENSG00000148840.11	5276	5624	6000	5837	5818
## ENSG00000166197.17	21173	23309	23877	22821	22767
## ENSG00000107862.7	7106	9680	8560	9865	7978
## ENSG00000077150.21	2132	2850	2573	2781	2603
## ENSG00000059915.17	258	152	273	156	282
## ENSG00000107872.14	531	437	506	475	637
## ENSG00000107874.11	5617	6050	5657	5809	7520
## ENSG00000269609.6	518	578	630	720	582
## ENSG00000120055.7	5	8	10	4	10
## ENSG00000138111.14	978	974	1053	1050	1183
## ENSG00000138107.13	15339	17689	16497	17247	19175
## ENSG00000107882.12	2957	3090	3475	3036	3530
## ENSG00000228657.1	22	5	10	21	29
## ENSG00000171206.16	3325	3725	3329	3523	4178
## ENSG00000138175.9	3934	4380	4383	4521	4910
## ENSG00000156398.13	586	737	600	680	672
## ENSG00000166272.18	3091	3960	3567	4032	3621
## ENSG00000166275.16	1391	2073	1633	1890	1653
## ENSG00000214435.9	41	37	42	43	47
## ENSG00000148842.18	1595	1768	1830	1668	1661
## ENSG00000076685.19	4373	6545	5241	6297	4813
## ENSG00000229256.1	6	9	4	8	12
## ENSG00000148798.11	4432	3324	4648	3284	4320
## ENSG00000156374.16	1079	1302	1395	1215	1182
## ENSG00000148835.12	1273	1421	1585	1397	1455
## ENSG00000173915.16	4453	6377	5364	6881	6744
## ENSG00000148843.15	12500	14564	14058	13859	13463
## ENSG00000138172.11	115	130	134	168	151
## ENSG00000185933.7	1	0	5	6	4
## ENSG00000183128.7	34	26	25	23	25
## ENSG00000235470.5	22	22	21	21	20
## ENSG00000107954.11	588	274	604	259	517
## ENSG00000107957.17	2233	2851	2869	2911	2547
## ENSG00000273108.1	20	19	41	11	23
## ENSG00000107960.12	235	282	333	290	264
## ENSG00000289745.1	11	4	8	9	13
## ENSG00000065613.15	6511	7940	7779	7639	6252
## ENSG00000065618.21	618	1507	729	1352	1027
## ENSG00000156384.15	340	340	347	357	362
## ENSG00000197748.13	158	167	187	165	178
## ENSG00000148834.13	19733	30970	20295	29732	26120
## ENSG00000266852.2	22	34	19	29	32
## ENSG00000065621.15	159	135	169	139	135
## ENSG00000148841.17	1845	1737	2143	1703	2170
## ENSG00000120051.15	38	28	32	31	19
## ENSG00000156395.14	50	28	56	23	55
## ENSG00000213260.3	9	5	9	14	5
## ENSG00000108018.17	1575	2957	1931	3002	1929
## ENSG00000229981.8	7	12	15	12	9
## ENSG00000203434.2	2	14	4	14	6
## ENSG00000108039.18	5073	6255	5660	6371	6112
## ENSG00000203876.10	34	38	51	43	30
## ENSG00000148700.15	15802	23203	18754	23332	15621
## ENSG00000119950.21	3281	3976	3817	3917	3917

## ENSG00000119953.14	3644	5413	4610	4762	4577
## ENSG00000273143.2	37	80	36	54	42
## ENSG00000138166.6	25465	53751	32331	52807	37304
## ENSG00000108055.11	22866	36833	28368	36547	26559
## ENSG00000203867.8	107	114	100	130	100
## ENSG00000203497.3	110	126	101	101	106
## ENSG00000150593.18	5268	6746	6737	6563	5466
## ENSG00000214413.9	710	845	816	905	731
## ENSG00000270589.1	9	15	4	10	7
## ENSG00000108061.13	4136	5359	4982	5008	4497
## ENSG00000234118.1	17	15	28	16	35
## ENSG00000150594.7	342	179	393	188	349
## ENSG00000119927.14	2515	3451	3077	4149	2410
## ENSG00000197142.11	29	59	26	39	24
## ENSG00000023041.12	1506	1785	1740	1951	1771
## ENSG00000151532.15	1883	2451	2135	2315	1900
## ENSG00000234017.1	12	4	15	19	19
## ENSG00000285676.3	44	52	58	72	42
## ENSG00000260917.1	333	436	410	474	380
## ENSG00000148737.18	2889	4436	3616	4439	4095
## ENSG00000148702.15	3419	4248	3483	4287	4047
## ENSG00000197893.14	61	87	75	68	92
## ENSG00000165806.21	1413	1977	1774	2088	1720
## ENSG00000198924.8	1254	1492	1480	1415	1341
## ENSG00000196865.4	2639	3590	3373	3341	2729
## ENSG00000043591.6	0	11	3	12	6
## ENSG00000165813.20	1344	1994	1719	1944	1236
## ENSG00000165816.13	450	582	545	561	472
## ENSG00000169129.16	191	276	276	330	270
## ENSG00000099204.22	6775	8708	8240	8641	7661
## ENSG00000228169.3	10	10	7	15	8
## ENSG00000151553.16	1977	2715	2287	2416	2169
## ENSG00000165832.6	3986	5949	4710	5119	4746
## ENSG00000107518.18	370	295	509	285	388
## ENSG00000151892.16	718	763	892	753	935
## ENSG00000266200.8	16	20	8	11	14
## ENSG00000165863.17	1046	1268	1236	1251	1314
## ENSG00000165868.16	1906	2363	2388	2729	2168
## ENSG00000228195.2	2	2	6	5	3
## ENSG00000188316.16	62	46	72	56	54
## ENSG00000187164.20	5913	7610	7155	7004	6136
## ENSG00000165646.14	73	50	90	45	49
## ENSG00000277879.1	71	87	90	98	98
## ENSG00000165650.12	3694	4700	4405	4380	3690
## ENSG00000229847.9	3	21	7	24	23
## ENSG00000170370.12	5	7	4	15	16
## ENSG00000107560.12	2145	3278	2645	2848	2256
## ENSG00000177640.16	193	265	214	245	245
## ENSG00000165669.14	2481	3041	2720	2750	2821
## ENSG00000119973.6	195	102	246	131	162
## ENSG00000151893.15	7170	8878	8332	8563	7345
## ENSG00000277687.1	10	9	12	12	7
## ENSG00000229272.2	5	7	7	10	2
## ENSG00000236058.3	27	21	27	39	44

## ENSG00000213574.2	8	8	11	8	17
## ENSG00000188613.7	358	286	441	306	360
## ENSG00000107581.14	37364	46234	43408	45487	38642
## ENSG00000289126.2	10	10	7	6	12
## ENSG00000119979.18	2708	3234	3066	3365	3082
## ENSG00000183605.17	1603	1883	1723	1876	1853
## ENSG00000165672.7	20370	26084	24306	26383	24495
## ENSG00000198873.12	606	527	726	497	576
## ENSG00000148908.15	139	122	183	128	141
## ENSG00000151923.18	5465	6921	6487	6797	6137
## ENSG00000151929.10	2553	3012	3177	3172	3617
## ENSG00000198825.15	6961	7803	8672	8979	6743
## ENSG00000197771.13	6456	7486	7714	8088	7465
## ENSG00000107651.15	6167	8017	7493	8020	6627
## ENSG00000220842.6	252	375	299	430	461
## ENSG00000203805.11	42	55	50	65	56
## ENSG00000227165.10	27	30	34	27	19
## ENSG00000120008.16	4540	6349	5603	6792	4633
## ENSG00000227307.1	13	16	20	17	9
## ENSG00000278484.1	7	25	14	32	18
## ENSG00000236762.1	12	15	19	43	37
## ENSG00000066468.24	22324	35930	27977	38224	27326
## ENSG00000107669.19	3158	4700	4237	4951	3610
## ENSG00000293468.1	81	106	83	94	88
## ENSG00000276742.1	13	24	15	20	14
## ENSG00000107672.15	2673	2923	2821	3178	2992
## ENSG00000273891.1	20	28	29	38	24
## ENSG00000138162.19	3251	3607	3751	3777	3516
## ENSG00000285973.2	42	14	53	30	19
## ENSG00000138152.10	0	6	3	8	7
## ENSG00000107679.15	2633	3460	3278	3164	2799
## ENSG00000166033.13	588	1078	715	966	1079
## ENSG00000187908.20	1	35	14	18	11
## ENSG00000293310.1	4	18	1	8	4
## ENSG00000119965.13	885	1121	1074	1031	976
## ENSG00000179988.15	177	199	191	211	209
## ENSG00000095574.12	786	1051	959	892	785
## ENSG00000196177.13	1500	1982	1824	1993	1661
## ENSG00000188620.11	364	375	426	386	457
## ENSG00000188816.4	35	8	41	20	57
## ENSG00000154473.18	8901	10825	10222	10637	10376
## ENSG00000230131.6	2	4	7	8	3
## ENSG00000121898.13	66	80	89	80	49
## ENSG00000182022.18	1250	1179	1521	1193	1636
## ENSG00000065154.12	5103	6766	6086	7079	5910
## ENSG00000229544.9	6	4	7	5	12
## ENSG00000107902.14	320	299	401	364	424
## ENSG00000258539.1	35	26	20	29	19
## ENSG00000189319.14	3365	3811	3699	3721	3947
## ENSG00000203791.15	460	596	600	565	491
## ENSG00000165660.8	1909	2559	2418	2553	2339
## ENSG00000249456.1	16	13	14	19	16
## ENSG00000019995.6	2209	2793	2732	2715	2212
## ENSG00000175029.17	9705	11461	11423	10842	11171

## ENSG00000273599.1	27	45	29	34	22
## ENSG00000282787.1	5	13	5	9	11
## ENSG00000224023.10	5	8	4	11	6
## ENSG00000107938.18	1913	2362	2064	2401	1939
## ENSG00000154485.5	3	8	8	13	4
## ENSG00000188690.16	4080	4799	4320	4587	5043
## ENSG00000107949.17	6389	7540	7366	7316	7112
## ENSG00000089876.12	3189	4274	3828	4481	3715
## ENSG00000203780.12	311	349	376	356	385
## ENSG00000148848.15	632	843	764	737	718
## ENSG00000150760.13	4037	4993	4950	5381	4401
## ENSG00000188916.9	30	33	42	38	35
## ENSG00000186766.8	5	6	5	4	6
## ENSG00000180745.5	103	136	100	133	115
## ENSG00000132334.17	127	210	145	229	169
## ENSG00000148773.14	14384	16132	16315	16088	15429
## ENSG00000170430.10	928	928	929	906	1208
## ENSG00000283141.1	2	7	5	4	3
## ENSG00000108001.16	32	26	63	32	56
## ENSG00000237489.5	167	193	150	191	200
## ENSG00000233122.2	18	20	17	22	12
## ENSG00000108010.12	9144	12453	9645	11865	11862
## ENSG00000175470.20	2849	3506	3370	3336	3703
## ENSG00000176171.12	4976	6422	6115	6685	5899
## ENSG00000277959.1	8	9	16	15	9
## ENSG00000273521.1	6	5	10	7	1
## ENSG00000279982.1	6	4	17	8	4
## ENSG00000188385.13	13	15	24	28	31
## ENSG00000151640.13	6159	6475	6421	6270	9095
## ENSG00000165752.17	774	792	779	836	1098
## ENSG00000148814.18	720	790	780	796	898
## ENSG00000171813.14	1354	1281	1313	1365	1668
## ENSG00000180066.11	6	1	12	6	13
## ENSG00000226900.2	77	58	81	70	77
## ENSG00000068383.19	2891	3394	3049	3225	3607
## ENSG00000148826.9	148	152	156	160	231
## ENSG00000171811.14	160	250	172	326	308
## ENSG00000289039.1	8	11	7	3	3
## ENSG00000197177.16	90	65	93	46	106
## ENSG00000171798.19	441	354	420	390	580
## ENSG00000151650.8	142	111	160	84	210
## ENSG00000273980.1	5	12	9	13	13
## ENSG00000151651.16	296	346	356	322	372
## ENSG00000130640.15	5525	5987	5805	6041	6958
## ENSG00000198546.15	706	787	708	843	959
## ENSG00000130643.9	113	68	117	57	158
## ENSG00000230306.1	15	19	11	13	11
## ENSG00000148803.12	679	673	718	661	1037
## ENSG00000127884.5	4763	5533	5144	5712	6491
## ENSG00000148832.16	24	41	28	31	26
## ENSG00000254536.2	17	18	14	25	12
## ENSG00000148824.19	405	455	416	433	460
## ENSG00000203772.8	21	20	12	28	30
## ENSG00000214279.13	8	29	23	24	27

## ENSG00000130649.10	265	480	293	419	355
## ENSG00000278518.1	2	6	8	9	3
## ENSG00000230724.9	11	19	30	33	13
## ENSG00000177951.18	2892	3742	3551	3921	3674
## ENSG00000177963.15	6774	7631	7398	7887	8596
## ENSG00000142082.15	1174	1481	1429	1585	1658
## ENSG00000185627.19	9862	11834	10574	11476	12009
## ENSG00000277290.1	4	7	5	15	3
## ENSG00000174885.13	1	8	0	11	12
## ENSG00000255026.1	9	32	23	28	40
## ENSG00000142102.16	448	626	570	718	597
## ENSG00000185201.18	431	459	553	543	848
## ENSG00000185885.17	304	652	408	709	443
## ENSG00000251661.3	8	16	16	12	12
## ENSG00000142089.17	5729	7506	7166	8051	8450
## ENSG00000182272.12	3174	3335	3416	3889	3880
## ENSG00000184363.10	1325	1511	1363	1573	1613
## ENSG00000185187.13	752	986	821	966	1033
## ENSG00000185101.13	526	683	576	704	571
## ENSG00000174915.12	3926	4504	3925	4117	5233
## ENSG00000255237.1	8	0	6	10	7
## ENSG00000023191.17	4385	5023	4607	5060	6372
## ENSG00000289997.1	3	6	7	2	4
## ENSG00000174775.18	1763	1934	1860	1866	2666
## ENSG00000161328.11	139	87	100	111	139
## ENSG00000185522.9	37	40	44	49	61
## ENSG00000254815.6	12	9	13	18	11
## ENSG00000099849.15	1280	1560	1295	1618	1948
## ENSG00000247095.5	122	145	128	159	193
## ENSG00000070047.13	5039	5232	5488	5639	6021
## ENSG00000185507.21	209	171	212	160	241
## ENSG00000099834.19	21	53	21	41	34
## ENSG00000070031.4	20	16	18	16	44
## ENSG00000069696.7	27	23	26	25	35
## ENSG00000177030.19	2471	2367	2567	2548	3238
## ENSG00000177106.17	6630	8909	7212	8970	10217
## ENSG00000177042.16	358	503	415	515	440
## ENSG00000177156.11	8003	9452	9315	9309	10680
## ENSG00000177225.17	1973	2284	2048	2283	2497
## ENSG00000255284.4	69	89	85	92	101
## ENSG00000279672.2	98	94	120	107	112
## ENSG00000255142.1	9	13	13	16	10
## ENSG00000184524.6	24	27	35	20	42
## ENSG00000177542.11	2113	2016	2360	2083	2572
## ENSG00000288675.1	41	45	36	35	62
## ENSG00000177595.19	1461	2007	1655	2135	2371
## ENSG00000177600.9	40451	54638	49247	50896	69888
## ENSG00000177666.17	1056	1005	1210	1139	1587
## ENSG00000255108.1	5	7	9	5	12
## ENSG00000177685.17	314	244	323	279	412
## ENSG00000177697.19	12040	14524	13230	14116	17654
## ENSG00000177700.6	4576	4661	4811	4835	7709
## ENSG00000214063.12	2441	2577	2473	2521	3882
## ENSG00000250397.2	19	15	17	21	13

## ENSG00000177830.18	5703	6660	6234	6477	8075
## ENSG00000183020.15	5982	6957	6542	7259	7450
## ENSG00000184956.16	21	58	49	42	42
## ENSG00000198788.9	1	14	6	14	4
## ENSG00000215182.8	3	9	0	5	8
## ENSG00000117983.17	14	8	13	2	13
## ENSG00000078902.16	2459	3064	2828	3326	3249
## ENSG00000255153.1	21	23	33	31	39
## ENSG00000287935.1	15	10	15	13	17
## ENSG00000174672.16	2166	2257	2333	2435	2779
## ENSG00000182208.15	1101	1300	1274	1427	1476
## ENSG00000184545.11	1246	1493	1522	1575	1657
## ENSG00000233930.4	253	457	390	440	400
## ENSG00000205869.2	16	23	28	29	25
## ENSG00000244242.2	5	9	14	28	12
## ENSG00000250644.3	7	9	10	8	22
## ENSG00000117984.15	6381	7912	6997	6996	10342
## ENSG00000149043.17	23	39	30	45	55
## ENSG00000130592.17	0	5	5	11	0
## ENSG00000214026.11	949	975	895	1018	1277
## ENSG00000226416.3	0	3	3	7	6
## ENSG00000130600.22	3	7	1	5	5
## ENSG00000167244.22	189974	194984	226393	205961	304059
## ENSG00000207805.3	6	7	6	5	2
## ENSG00000099869.8	2400	1737	2500	1763	3034
## ENSG00000254647.7	3277	657	3209	804	2435
## ENSG00000180176.15	39	20	41	18	46
## ENSG00000183734.5	90	34	109	45	95
## ENSG00000110665.12	26	15	25	16	14
## ENSG00000064201.16	38	29	46	27	43
## ENSG00000238184.1	10	8	12	11	12
## ENSG00000290098.1	11	15	9	11	8
## ENSG00000110651.13	22972	27128	25669	25452	32650
## ENSG00000184281.15	2501	2696	2685	2793	3521
## ENSG00000070985.14	36	27	28	25	21
## ENSG00000053918.19	174	157	194	183	201
## ENSG00000269821.2	152	272	238	302	165
## ENSG00000129757.15	10539	11555	11050	11008	13431
## ENSG00000254827.7	12	17	15	7	8
## ENSG00000110628.16	500	478	510	560	668
## ENSG00000181649.8	297	253	288	282	454
## ENSG00000205531.14	12444	14546	14079	15380	14203
## ENSG00000183562.3	3	8	6	1	0
## ENSG00000110619.18	5543	6434	5968	6641	6502
## ENSG00000285644.1	31	43	47	61	36
## ENSG00000021762.20	384	411	458	314	429
## ENSG00000005801.18	5299	7076	6069	6620	5706
## ENSG00000290960.1	260	169	378	225	240
## ENSG00000189398.5	33	21	41	31	16
## ENSG00000166492.9	86	63	113	48	48
## ENSG00000167311.14	198	237	360	326	327
## ENSG00000129749.3	23	31	35	29	28
## ENSG00000110713.18	11198	13190	12797	14033	11704
## ENSG00000148985.20	2100	2496	2514	2455	2865

## ENSG00000177105.10	1691	1898	1900	1977	2531
## ENSG00000228661.1	7	5	8	7	6
## ENSG00000167323.13	2969	3513	3525	3653	3687
## ENSG00000230593.3	13	15	5	14	20
## ENSG00000167325.15	13342	15156	15573	14514	15335
## ENSG00000254480.2	6	10	8	3	7
## ENSG00000132109.10	766	1026	912	1024	908
## ENSG00000291144.1	8	4	11	10	3
## ENSG00000167333.13	634	728	676	841	694
## ENSG00000180785.10	247	488	340	410	213
## ENSG00000167332.9	5	7	4	5	4
## ENSG00000271602.1	24	13	17	30	40
## ENSG00000175518.8	8	5	13	10	7
## ENSG00000229534.1	5	1	7	13	9
## ENSG00000121236.21	527	744	651	744	615
## ENSG00000132256.20	2002	3177	2778	3364	2362
## ENSG00000132274.17	151	178	276	176	118
## ENSG00000267940.1	15	24	29	29	17
## ENSG00000180878.3	3	14	16	23	13
## ENSG00000051009.11	1416	1643	1659	1709	1610
## ENSG00000132259.13	14	20	25	25	12
## ENSG00000110148.10	143	71	159	122	155
## ENSG00000170955.10	70	40	56	55	82
## ENSG00000166311.10	1513	1628	1637	1595	1839
## ENSG00000166313.20	3753	3766	4138	3830	4934
## ENSG00000110169.12	94	82	214	91	89
## ENSG00000110171.21	460	480	548	516	617
## ENSG00000132254.13	4408	5267	4960	5783	6043
## ENSG00000132286.12	2889	3495	3200	3611	3215
## ENSG00000254595.1	23	55	44	41	29
## ENSG00000179532.13	199	285	233	301	205
## ENSG00000132275.11	1378	1526	1528	1655	1607
## ENSG00000166333.14	480	640	459	482	500
## ENSG00000166337.11	202	151	197	190	223
## ENSG00000166340.18	6914	8564	8192	8252	8193
## ENSG00000166341.9	5721	4628	5869	4585	5892
## ENSG00000255410.2	6	6	5	6	7
## ENSG00000158042.9	3003	3308	3212	3605	3811
## ENSG00000291143.1	2	7	10	2	7
## ENSG00000254781.1	22	38	24	23	14
## ENSG00000188124.4	8	16	5	13	11
## ENSG00000149054.16	382	524	469	499	348
## ENSG00000149050.10	269	360	344	336	331
## ENSG00000158077.5	3	5	13	6	7
## ENSG00000170743.17	16	21	33	13	16
## ENSG00000251364.9	187	223	194	265	193
## ENSG00000183801.8	33	41	28	48	53
## ENSG00000166387.14	5043	5396	5533	5886	5244
## ENSG00000166394.15	1610	1520	1816	1466	1916
## ENSG00000183378.13	44	48	47	45	36
## ENSG00000275612.1	6	7	4	10	6
## ENSG00000276668.1	9	11	11	9	5
## ENSG00000254951.7	15	32	17	29	10
## ENSG00000279000.4	10	5	4	2	9

## ENSG00000170683.7	8	9	9	6	9
## ENSG00000175390.15	20411	23133	23381	22148	26419
## ENSG00000166402.9	1928	2340	2388	2836	2238
## ENSG00000166405.16	177	190	197	173	156
## ENSG00000166407.14	71	34	82	52	96
## ENSG00000130413.16	915	1004	928	981	875
## ENSG00000166436.18	344	474	445	552	341
## ENSG00000166441.13	70633	91093	79421	89046	102794
## ENSG00000212607.1	3	5	5	3	7
## ENSG00000166444.19	2196	2349	2531	2384	2582
## ENSG00000166452.12	716	921	794	946	904
## ENSG00000176029.14	22	19	13	12	13
## ENSG00000175348.11	1661	2195	1823	1967	1926
## ENSG00000254860.7	190	231	206	216	193
## ENSG00000175352.12	141	155	140	172	155
## ENSG00000175356.14	40	58	46	67	58
## ENSG00000213538.5	5	9	7	5	12
## ENSG00000184014.9	8001	9960	9485	10381	9316
## ENSG00000166471.11	3724	6368	5021	5943	4548
## ENSG00000205339.10	30547	39226	36584	37205	31346
## ENSG00000201998.1	1	8	7	9	8
## ENSG00000268403.3	28	36	30	37	31
## ENSG00000166478.10	2295	2906	2744	3074	2771
## ENSG00000166483.12	16205	25776	20496	26437	19551
## ENSG00000243964.1	37	37	34	52	69
## ENSG00000239470.3	18	16	6	17	18
## ENSG00000133789.15	4136	5705	5154	5365	4793
## ENSG00000245522.2	41	38	34	46	23
## ENSG00000246273.9	389	728	450	664	490
## ENSG00000133812.18	4207	3820	5270	4287	3012
## ENSG00000254719.1	11	16	13	10	7
## ENSG00000254554.1	17	16	18	21	9
## ENSG00000148926.10	3780	3577	4134	3845	4587
## ENSG00000133805.16	859	865	998	909	868
## ENSG00000283813.1	7	13	2	8	10
## ENSG00000110315.7	4418	5866	5419	5313	4697
## ENSG00000072952.21	411	457	508	408	443
## ENSG00000198730.9	4691	5832	5866	6097	5152
## ENSG00000110321.19	126717	155996	143840	154486	142801
## ENSG00000246308.4	21	21	16	14	18
## ENSG00000236287.8	2668	3400	3067	3348	2907
## ENSG00000247271.9	176	311	185	226	229
## ENSG00000110328.6	699	742	827	827	803
## ENSG00000254598.3	51	43	34	22	55
## ENSG00000170242.19	6209	7926	7269	7557	6204
## ENSG00000050165.19	5192	5148	5775	5096	6212
## ENSG00000133816.19	5812	11058	7107	10546	7317
## ENSG00000197702.14	4807	6423	5844	5727	5883
## ENSG00000187079.20	9161	11739	11215	11028	8921
## ENSG00000251381.8	17	21	19	21	15
## ENSG00000254670.1	45	54	49	46	37
## ENSG00000189431.8	1303	1139	1437	1154	1507
## ENSG00000133794.20	198	214	249	293	208
## ENSG00000148925.11	2283	3193	2691	3301	2886

## ENSG00000197601.14	4144	5166	4913	4563	3820
## ENSG00000262655.4	2124	3492	3504	4524	3051
## ENSG00000133818.14	4870	6558	5565	5732	5643
## ENSG00000129083.13	15044	20749	17537	21231	17172
## ENSG00000129084.18	2094	2570	2364	2157	2371
## ENSG00000152270.9	3307	3823	3774	3404	3426
## ENSG00000255040.1	10	13	17	8	15
## ENSG00000186104.11	690	653	711	666	656
## ENSG00000175868.14	24	29	34	30	48
## ENSG00000188487.12	17	2	9	9	7
## ENSG00000110693.19	815	905	850	911	986
## ENSG00000110696.10	21065	27279	23858	23550	25221
## ENSG00000166689.18	2026	2568	2383	2974	2278
## ENSG00000244398.1	610	776	668	894	983
## ENSG00000290957.1	11	30	10	22	26
## ENSG00000110700.7	40779	50316	44419	50208	52999
## ENSG00000272034.1	2	10	10	14	3
## ENSG00000011405.14	9390	13932	12201	14131	9024
## ENSG00000070081.18	4314	4783	4955	4833	4544
## ENSG00000197149.5	14	15	13	23	25
## ENSG00000188211.9	925	1127	952	1182	843
## ENSG00000187486.7	405	250	472	223	459
## ENSG00000260196.1	190	238	223	198	273
## ENSG00000006071.16	478	183	519	179	437
## ENSG00000006611.17	716	1652	1010	1835	1144
## ENSG00000188162.12	45	100	62	100	92
## ENSG00000129159.9	111	53	141	45	112
## ENSG00000129158.11	1010	1279	1233	1172	1336
## ENSG00000129167.10	1229	708	1541	652	1189
## ENSG00000166788.10	2815	3168	3154	3168	3198
## ENSG00000212789.4	24	33	28	27	29
## ENSG00000110756.18	1822	2244	2174	2238	1920
## ENSG00000110768.12	2564	3224	2894	3324	2914
## ENSG00000134333.15	58024	64021	65526	68122	73364
## ENSG00000166796.12	21	14	19	20	23
## ENSG00000166800.11	13	4	13	8	9
## ENSG00000074319.13	4662	5667	5311	5703	5679
## ENSG00000256464.1	5	19	11	10	9
## ENSG00000151116.17	1298	1788	1606	1745	1371
## ENSG00000247595.5	44	59	48	57	53
## ENSG00000293242.1	4	15	1	19	2
## ENSG00000279837.1	10	9	12	3	7
## ENSG00000179119.15	3378	4609	4051	4398	3433
## ENSG00000257043.1	7	4	5	5	14
## ENSG00000151117.9	211	157	241	190	205
## ENSG00000179057.14	29	25	23	37	30
## ENSG00000254966.1	17	10	14	10	14
## ENSG00000110786.18	342	723	436	719	435
## ENSG00000177054.14	1483	2078	1845	2182	1820
## ENSG00000129173.13	574	469	629	588	496
## ENSG00000166833.23	6528	9510	7848	10043	7231
## ENSG00000254622.1	1	3	7	6	3
## ENSG00000109854.14	1940	2342	2389	2410	2128
## ENSG00000185238.13	1892	2411	2242	2369	2151

## ENSG00000165973.19	129	86	135	107	172
## ENSG00000171714.13	579	603	675	659	639
## ENSG00000254768.6	15	6	30	8	17
## ENSG00000091664.9	332	146	405	115	317
## ENSG00000183161.6	2282	2770	2518	2400	2497
## ENSG00000148935.12	91	119	94	153	108
## ENSG00000198168.9	2001	2456	2354	2008	2205
## ENSG00000246225.7	39	34	60	44	45
## ENSG00000255418.6	50	70	68	104	65
## ENSG00000187398.12	238	295	266	222	193
## ENSG00000134343.14	8	6	5	11	2
## ENSG00000169550.14	33	21	53	20	16
## ENSG00000148942.15	50	86	79	59	58
## ENSG00000176971.4	10	26	6	32	22
## ENSG00000254560.6	12	18	13	34	15
## ENSG00000109881.17	1847	2137	2042	1972	2172
## ENSG00000205213.14	7849	9956	9896	9466	7994
## ENSG00000148943.12	2172	3635	2970	3258	2351
## ENSG00000245573.9	91	109	85	112	83
## ENSG00000240036.4	45	46	47	61	57
## ENSG00000176697.20	1010	1037	1153	1065	1370
## ENSG00000224411.3	144	149	164	183	233
## ENSG00000121621.7	1811	2145	2194	2154	2028
## ENSG00000169519.21	1502	2206	1949	2138	1774
## ENSG00000182255.7	12	8	19	10	11
## ENSG00000254532.2	2	19	15	18	15
## ENSG00000152219.5	2121	2894	2369	2640	2332
## ENSG00000066382.17	140	138	142	125	177
## ENSG00000170959.15	148	71	145	94	90
## ENSG00000170946.15	779	856	885	813	801
## ENSG00000148950.11	718	826	805	855	774
## ENSG00000109911.19	1085	1291	1211	1217	1162
## ENSG00000007372.25	583	201	649	208	452
## ENSG00000281880.2	79	32	66	35	60
## ENSG00000049449.10	11664	17604	12844	14708	13976
## ENSG00000184937.16	4	57	21	112	68
## ENSG00000183242.13	0	11	3	16	13
## ENSG00000149100.13	21473	26081	24216	24322	25314
## ENSG00000270903.1	9	8	8	13	7
## ENSG00000135378.4	197	332	238	324	206
## ENSG00000060749.17	7462	10135	9796	9479	7566
## ENSG00000121690.11	349	529	537	656	418
## ENSG00000176148.16	928	1226	1062	1269	879
## ENSG00000213713.3	206	273	264	283	211
## ENSG00000280798.1	685	901	914	1070	863
## ENSG00000176102.13	4058	5624	4903	5784	4718
## ENSG00000247151.7	8	13	10	9	15
## ENSG00000241255.1	18	24	20	25	34
## ENSG00000110422.12	5886	8435	7367	8122	6005
## ENSG00000110427.17	1076	798	1426	921	1103
## ENSG00000085063.18	10792	15341	12529	14473	13125
## ENSG00000110429.14	2012	2695	2482	2443	2240
## ENSG00000135363.12	207	76	217	105	185
## ENSG00000286626.2	7	11	13	7	11

## ENSG00000135387.21	46122	56075	52270	54205	52367
## ENSG00000135372.10	7559	8119	8609	8046	8554
## ENSG00000166016.6	835	1062	992	1078	977
## ENSG00000121691.7	2625	3886	3119	3915	3097
## ENSG00000135374.11	15	18	12	7	21
## ENSG00000135373.13	1186	2459	1335	1996	1219
## ENSG00000271369.1	71	171	87	141	93
## ENSG00000149089.13	1158	1557	1373	1553	1361
## ENSG00000110435.13	3376	4224	3863	4180	3631
## ENSG00000026508.21	1865	3597	2142	3054	1879
## ENSG00000110436.13	7	3	5	9	12
## ENSG00000149090.13	19	43	55	71	45
## ENSG00000179431.7	997	1086	1121	1251	1421
## ENSG00000166326.7	10210	11792	11568	11054	10374
## ENSG00000186082.9	3	3	1	7	5
## ENSG00000179241.13	2420	2975	2880	2875	2937
## ENSG00000110442.12	2477	2748	2583	2732	3002
## ENSG00000135362.14	19	15	36	52	23
## ENSG00000175104.15	1419	1850	1677	1942	1570
## ENSG00000166349.11	69	83	89	76	93
## ENSG00000166352.18	933	1168	1145	1169	1084
## ENSG00000279675.1	4	9	6	8	5
## ENSG00000148948.8	116	151	144	163	142
## ENSG00000166181.13	10402	13551	12221	13569	11275
## ENSG00000254907.1	9	4	9	3	3
## ENSG00000052841.16	6511	8651	7965	9201	7065
## ENSG00000283341.4	57	65	50	46	42
## ENSG00000149084.13	6809	10368	8061	8146	8073
## ENSG00000246250.3	5	18	17	21	11
## ENSG00000166199.13	772	971	901	1007	1032
## ENSG00000213693.4	21	46	31	33	21
## ENSG00000244926.7	10	13	7	18	13
## ENSG00000254409.3	2	12	5	3	13
## ENSG00000110455.14	187	206	214	213	168
## ENSG00000151348.16	12984	17512	14315	17660	15644
## ENSG00000052850.8	5	5	3	12	8
## ENSG00000085117.12	249	260	276	250	327
## ENSG00000157570.12	3768	5925	4515	5267	4599
## ENSG00000175274.19	9914	10717	12681	10306	13351
## ENSG00000019485.14	919	1035	1072	1009	938
## ENSG00000019505.8	6511	6971	7442	6459	6880
## ENSG00000254427.3	26	31	20	23	24
## ENSG00000175264.8	37	49	50	48	53
## ENSG00000181830.9	3654	4334	4096	4260	4854
## ENSG00000121671.12	3317	3644	3610	3784	3724
## ENSG00000121653.11	2544	2467	2420	2342	3135
## ENSG00000234776.5	17	16	6	10	14
## ENSG00000121680.16	1199	1216	1254	1187	1640
## ENSG00000165905.18	1095	1312	1225	1254	1388
## ENSG00000135365.17	2609	3205	3339	3528	3100
## ENSG00000255007.3	16	43	29	42	32
## ENSG00000157613.11	3482	4952	4433	5394	5130
## ENSG00000149091.15	3954	4173	4315	4295	5072
## ENSG00000110492.17	77482	80392	86254	83789	120721

## ENSG00000180720.8	35	39	40	26	36
## ENSG00000110497.15	4489	5538	5131	5372	5632
## ENSG00000244313.3	485	632	545	666	778
## ENSG00000180423.4	367	459	365	446	371
## ENSG00000175224.17	5859	7138	6541	7023	7165
## ENSG00000175220.12	3529	4386	4411	4343	4752
## ENSG00000175213.3	1180	1321	1185	1341	1498
## ENSG00000180210.15	1792	3165	2244	3243	2423
## ENSG00000175216.15	25514	30335	30082	31209	26917
## ENSG00000212135.1	6	15	9	16	11
## ENSG00000247675.8	13	16	21	9	11
## ENSG00000134569.10	3028	2827	3619	3142	3119
## ENSG00000149179.14	4664	4677	5103	4627	5516
## ENSG00000149182.15	5590	6374	6116	6326	6816
## ENSG00000270060.1	4	7	6	8	4
## ENSG00000165912.16	3236	3137	3321	2971	4258
## ENSG00000243802.2	6	13	7	11	21
## ENSG00000134574.12	2923	4090	3376	4038	4503
## ENSG00000256897.1	6	13	13	17	9
## ENSG00000134575.13	2688	2898	2854	2740	3309
## ENSG00000025434.19	559	652	599	653	774
## ENSG00000110514.20	3340	3465	3815	3902	3537
## ENSG00000134571.12	66	27	50	24	59
## ENSG00000165915.14	922	1078	994	1093	1244
## ENSG00000165916.9	11315	12640	11912	11961	14410
## ENSG00000149187.19	9253	12399	12181	12725	11222
## ENSG00000213619.11	4390	4941	4811	5227	5802
## ENSG00000110536.14	760	897	849	970	973
## ENSG00000123444.14	455	558	548	641	602
## ENSG00000172247.4	21	11	27	6	34
## ENSG00000109919.10	11792	14328	13814	14005	14450
## ENSG00000165923.17	30	26	30	31	22
## ENSG00000109920.13	2991	4040	3938	4677	3190
## ENSG00000200090.1	1	12	13	12	6
## ENSG00000030066.14	13443	15250	15277	15722	13220
## ENSG00000149177.15	3444	4239	4557	4421	3752
## ENSG00000226268.3	14	20	12	13	14
## ENSG00000242208.1	17	9	26	30	40
## ENSG00000238041.3	3	4	5	4	12
## ENSG00000183908.7	53	63	69	61	75
## ENSG00000134817.12	34	153	47	200	183
## ENSG00000149115.14	10750	11718	11672	11790	12762
## ENSG00000149136.9	27745	29289	30957	28254	32718
## ENSG00000109991.10	33	18	42	33	36
## ENSG00000254979.5	5	4	6	3	0
## ENSG00000134802.18	2334	2344	2462	2256	2735
## ENSG00000186907.8	740	483	733	536	962
## ENSG00000149150.9	2868	3390	3093	3256	3650
## ENSG00000134809.9	1558	1816	1648	1978	2058
## ENSG00000156587.16	1942	2055	2436	2079	2586
## ENSG00000240371.1	25	16	21	40	45
## ENSG00000149131.17	8476	11954	10391	10925	12533
## ENSG00000254602.2	123	169	143	146	151
## ENSG00000166793.13	66	89	83	102	59

## ENSG00000172409.7	1810	2272	2149	2227	2231
## ENSG00000156599.11	9011	12010	10050	12169	10698
## ENSG00000156603.20	1554	1707	1594	1807	1859
## ENSG00000288534.1	7	2	14	7	8
## ENSG00000213593.10	8964	12328	9961	11394	11804
## ENSG00000211450.11	1942	2117	1911	1837	2747
## ENSG00000254732.2	10	5	11	8	6
## ENSG00000233436.8	1	5	8	3	5
## ENSG00000198561.16	3624	5129	4202	4795	3408
## ENSG00000290827.1	0	6	0	7	3
## ENSG00000255146.1	15	15	20	14	16
## ENSG00000110031.13	234	343	275	269	298
## ENSG00000186660.15	6416	8805	7449	8556	7277
## ENSG00000269570.2	7	5	5	4	4
## ENSG00000242689.3	48	64	74	53	48
## ENSG00000280010.1	43	50	23	43	41
## ENSG00000149124.11	0	9	5	7	9
## ENSG00000289621.2	4	12	10	25	12
## ENSG00000156689.7	338	696	412	709	376
## ENSG00000290884.1	7	40	15	31	8
## ENSG00000254717.3	59	151	55	190	50
## ENSG00000166840.14	1066	2060	1165	1912	1238
## ENSG00000255523.1	3	12	6	12	2
## ENSG00000255240.6	230	525	222	451	200
## ENSG00000254877.1	24	46	19	48	10
## ENSG00000255189.1	15	25	22	41	22
## ENSG00000254786.1	14	14	7	8	3
## ENSG00000289635.2	16	10	12	8	10
## ENSG00000189057.11	1819	2349	2089	1983	1870
## ENSG00000245571.7	469	840	594	791	517
## ENSG00000166801.17	1852	2320	2239	2344	1894
## ENSG00000110042.8	8280	12367	9570	11579	10197
## ENSG00000287264.1	9	9	8	6	13
## ENSG00000255139.2	35	56	41	44	49
## ENSG00000110048.12	7306	9564	8857	9665	8077
## ENSG00000166889.14	4458	5513	5409	5902	4692
## ENSG00000166900.17	19489	28309	22731	28927	22886
## ENSG00000254477.2	63	92	74	84	84
## ENSG00000234964.4	109	138	128	122	136
## ENSG00000166902.5	5106	5600	5843	5921	6133
## ENSG00000134812.8	3167	3993	3462	3600	3856
## ENSG00000134827.8	11400	19551	11326	17505	19821
## ENSG00000285231.2	9	10	7	10	6
## ENSG00000255393.3	9	10	8	7	6
## ENSG00000149534.9	9	32	21	24	19
## ENSG00000166959.8	461	771	556	769	616
## ENSG00000166961.15	5	3	1	5	6
## ENSG00000110104.13	3542	3622	3376	3338	4604
## ENSG00000183134.5	220	81	230	76	200
## ENSG00000110107.9	15377	17086	16886	17529	19154
## ENSG00000257052.1	8	12	16	9	8
## ENSG00000110108.10	5621	6691	6239	6607	7481
## ENSG00000256196.2	13	9	21	18	22
## ENSG00000006118.15	15772	17984	16176	17684	21437

## ENSG00000110446.12	33	16	30	11	21
## ENSG00000013725.14	21	17	20	14	24
## ENSG00000167987.11	1643	1809	1804	1987	2222
## ENSG00000229859.10	4	13	3	9	7
## ENSG00000256713.8	89	150	89	136	117
## ENSG00000167992.14	1851	2480	2157	2576	3007
## ENSG00000167986.15	38760	44745	43159	44415	45693
## ENSG00000149476.16	3105	3229	3228	3149	4030
## ENSG00000162144.10	1048	1513	1104	1470	1567
## ENSG00000279246.1	6	12	16	6	5
## ENSG00000149483.13	1103	1262	1172	1331	1259
## ENSG00000187049.11	1163	1297	1233	1303	1457
## ENSG00000149532.16	7083	8250	8156	8786	8348
## ENSG00000256591.5	47	37	45	63	46
## ENSG00000167985.7	404	522	473	546	667
## ENSG00000162148.11	56	59	62	62	54
## ENSG00000255931.2	27	14	13	14	24
## ENSG00000204950.4	353	190	389	197	334
## ENSG00000011347.10	3072	2473	3629	2377	2981
## ENSG00000256443.1	1	2	5	7	2
## ENSG00000293352.1	17	16	34	20	25
## ENSG00000255947.1	11	17	17	11	5
## ENSG00000134780.10	578	686	821	779	683
## ENSG00000124920.14	11757	10765	13390	11783	13601
## ENSG00000134825.16	5824	6905	6639	7596	8541
## ENSG00000168496.4	5269	5462	5788	5510	6270
## ENSG00000134824.14	60514	68788	63973	65736	79123
## ENSG00000289268.1	361	392	401	373	426
## ENSG00000149485.19	27439	34302	31458	32425	33028
## ENSG00000221968.9	800	925	939	928	1238
## ENSG00000167994.13	122	87	137	122	156
## ENSG00000167995.17	22	24	43	39	31
## ENSG00000167996.16	18702	12640	20384	12555	21773
## ENSG00000279491.2	7	6	10	11	20
## ENSG00000149503.13	4652	4941	5470	5342	5376
## ENSG00000289194.1	493	649	541	461	535
## ENSG00000255118.1	7	16	15	12	9
## ENSG00000162174.12	3804	6077	4261	5757	4806
## ENSG00000254454.2	39	67	32	51	25
## ENSG00000124942.14	53183	74095	57281	65742	50854
## ENSG00000257058.1	2	9	8	6	11
## ENSG00000149016.16	699	709	804	727	935
## ENSG00000149480.7	13625	15745	14516	15717	16217
## ENSG00000149499.12	1322	1463	1477	1432	1551
## ENSG00000149489.9	45	43	45	38	47
## ENSG00000149541.10	2975	3480	3049	3391	4133
## ENSG00000089597.18	81965	109240	90560	100245	101470
## ENSG00000185085.2	2233	2536	2523	2578	3086
## ENSG00000278615.5	20	36	16	29	34
## ENSG00000162194.13	79	80	79	94	90
## ENSG00000214756.8	386	400	359	476	480
## ENSG00000204922.5	98	105	100	132	126
## ENSG00000162191.14	6777	7316	7644	7079	9193
## ENSG00000168000.16	271	292	338	307	342

## ENSG00000234857.2	7	14	6	16	5
## ENSG00000162188.6	96	38	123	57	112
## ENSG00000214753.4	5438	6223	6509	6153	6358
## ENSG00000162222.14	1834	2220	2172	2274	2267
## ENSG00000185670.9	298	269	363	336	264
## ENSG00000168002.12	4714	5373	5546	5743	6170
## ENSG00000267811.1	10	5	5	8	16
## ENSG00000162227.8	797	892	841	889	1010
## ENSG00000168569.8	877	1027	923	1072	1255
## ENSG00000269176.2	36	33	37	36	39
## ENSG00000185475.11	831	1199	1207	1162	1327
## ENSG00000162231.14	3724	4589	4517	4834	4584
## ENSG00000162236.13	2139	2540	2395	2684	2772
## ENSG00000256690.1	4	6	6	6	7
## ENSG00000133316.16	2338	2418	2338	2369	2852
## ENSG00000255717.9	5210	6758	6212	7327	5736
## ENSG00000168003.19	22434	25088	23915	25669	28624
## ENSG00000168539.4	5	3	3	11	7
## ENSG00000149452.16	21	19	24	26	24
## ENSG00000168004.10	394	179	400	216	321
## ENSG00000133317.16	7	6	5	5	9
## ENSG00000133321.11	75	67	172	72	45
## ENSG00000133328.4	1	6	5	6	4
## ENSG00000176485.14	2463	2831	3179	3201	3200
## ENSG00000184743.13	2455	3209	3042	3003	2664
## ENSG00000133318.14	17791	18533	20406	17238	20338
## ENSG00000188070.9	2225	2729	2662	2682	2863
## ENSG00000168005.9	4392	4645	4933	4922	6129
## ENSG00000072518.23	4077	4539	4543	4695	4755
## ENSG00000167771.6	3168	2790	3424	2978	4012
## ENSG00000110583.13	2526	2893	3144	3458	2849
## ENSG00000176340.4	5471	6254	5959	6447	8075
## ENSG00000167770.13	8541	9142	8875	9368	11615
## ENSG00000133315.12	736	592	677	650	985
## ENSG00000126500.4	23	15	12	22	31
## ENSG00000288852.1	102	140	125	105	137
## ENSG00000289486.2	51	54	65	50	70
## ENSG00000168439.17	26045	28421	28771	27060	32051
## ENSG00000149781.14	13	23	16	23	12
## ENSG00000149743.14	998	1047	1116	1089	1470
## ENSG00000149761.9	722	833	766	889	1012
## ENSG00000110011.14	1217	1201	1310	1210	1621
## ENSG00000173511.10	1438	1290	1636	1323	2086
## ENSG00000173486.14	43	59	61	34	61
## ENSG00000286264.2	12	24	15	15	29
## ENSG00000173457.11	7696	8998	8395	8421	12049
## ENSG00000256940.4	53	59	39	58	42
## ENSG00000257086.1	35	31	42	47	38
## ENSG00000149782.13	2775	2659	3214	2937	3044
## ENSG00000002330.14	1626	1725	1434	1605	2282
## ENSG00000173264.16	2056	2147	2135	2051	2848
## ENSG00000173153.17	1445	1841	1625	1852	1882
## ENSG00000173113.7	6021	6966	6527	7106	8901
## ENSG00000126432.14	10963	13510	11734	13113	16497

## ENSG00000168071.22	99	85	93	66	108
## ENSG00000162302.13	1694	1705	1802	1669	2190
## ENSG00000181908.5	5	7	9	5	11
## ENSG00000110076.21	54	36	62	18	69
## ENSG00000068831.19	3	7	13	11	7
## ENSG00000068976.14	163	107	161	141	216
## ENSG00000168066.22	20484	23888	23661	22996	27286
## ENSG00000269038.1	11	12	10	6	11
## ENSG00000168067.12	947	953	1157	994	1226
## ENSG00000133895.19	4389	4849	4776	4702	5874
## ENSG00000171219.9	2136	3169	2525	3207	2723
## ENSG00000110047.18	8154	9507	8903	9325	11363
## ENSG00000229719.7	5	6	5	13	6
## ENSG00000110046.14	1983	2218	2221	2421	2560
## ENSG00000068971.14	821	958	889	1055	1023
## ENSG00000149735.7	10	16	9	19	22
## ENSG00000168062.10	36	44	44	46	40
## ENSG00000213465.8	3178	3291	3324	3268	4889
## ENSG00000110025.13	8	10	15	12	8
## ENSG00000168061.17	956	950	980	1064	1479
## ENSG00000168060.16	31	18	40	11	37
## ENSG00000146670.10	3101	3260	3389	3413	3874
## ENSG00000162300.13	433	565	535	619	629
## ENSG00000187066.9	2	7	4	8	1
## ENSG00000149823.10	5105	5387	5191	5146	6360
## ENSG00000149809.17	4493	5330	5043	5139	6924
## ENSG00000174276.7	525	587	491	574	743
## ENSG00000278952.1	91	158	98	123	165
## ENSG00000149806.11	19366	21721	19595	21539	29215
## ENSG00000162298.19	2471	3169	2997	3687	3346
## ENSG00000149792.9	4550	5647	4990	5860	6154
## ENSG00000293278.1	29	60	19	42	38
## ENSG00000254614.2	105	153	137	155	120
## ENSG00000014216.16	23121	27569	24177	26104	31089
## ENSG00000293475.1	14	23	18	18	16
## ENSG00000014138.10	482	461	511	459	568
## ENSG00000285816.1	33	40	23	44	30
## ENSG00000287917.3	19	20	12	21	15
## ENSG00000133884.11	4784	5542	5541	5988	6094
## ENSG00000173825.7	128	205	185	205	234
## ENSG00000255478.1	7	11	9	19	8
## ENSG00000162241.13	128	154	114	169	150
## ENSG00000126391.14	1450	1839	1727	2079	1845
## ENSG00000245532.11	979	2004	1440	2234	1131
## ENSG00000291174.1	39	34	51	44	29
## ENSG00000251562.11	82	171	129	161	88
## ENSG00000142186.18	4999	5797	5491	5971	6633
## ENSG00000168056.18	1934	1906	2058	1983	2692
## ENSG00000260233.4	27	25	34	33	40
## ENSG00000173465.8	1127	1108	1064	1156	1511
## ENSG00000176973.8	493	495	517	507	697
## ENSG00000173442.13	419	372	509	424	439
## ENSG00000173338.13	3	4	5	3	5
## ENSG00000173327.8	3490	3759	3701	3576	4608

## ENSG00000197136.5	5069	5508	5409	5740	6236
## ENSG00000213445.10	594	568	721	611	765
## ENSG00000173039.20	3678	4312	3963	4264	4826
## ENSG00000285533.4	125	146	108	155	131
## ENSG00000172977.13	1090	1240	1208	1248	1334
## ENSG00000172922.11	1080	963	969	922	1404
## ENSG00000255557.1	1	9	5	10	2
## ENSG00000254470.3	3125	3810	3513	3786	3912
## ENSG00000172818.10	727	886	761	946	879
## ENSG00000255120.5	3	5	4	4	5
## ENSG00000172757.13	64917	74901	73215	73820	96403
## ENSG00000172803.18	146	167	202	184	177
## ENSG00000172732.12	1556	1676	1594	1772	1895
## ENSG00000172638.13	3153	3220	3346	3248	4483
## ENSG00000172500.13	4788	5214	5180	4916	6600
## ENSG00000175602.4	961	753	850	760	1142
## ENSG00000175592.9	605	1119	767	1137	1430
## ENSG00000175573.7	1160	1198	1195	1335	1507
## ENSG00000175550.8	2328	2494	2615	2496	3603
## ENSG00000175467.15	3979	3947	4324	4033	5309
## ENSG00000175376.9	2277	2445	2586	2509	2641
## ENSG00000175334.8	8525	10245	9376	10386	12214
## ENSG00000175229.7	166	81	163	106	179
## ENSG00000087365.16	23343	24793	25568	24732	26756
## ENSG00000175115.13	8479	7229	9723	7371	9049
## ENSG00000255320.2	92	84	97	87	108
## ENSG00000174996.12	4109	4307	4556	4363	5504
## ENSG00000254461.1	14	14	19	30	10
## ENSG00000174903.16	6980	8107	7035	7566	9424
## ENSG00000245156.1	8	10	12	16	7
## ENSG00000174871.11	778	431	813	402	898
## ENSG00000174851.16	4008	5006	4472	5062	6040
## ENSG00000179292.5	98	52	91	51	92
## ENSG00000174807.4	41	90	75	157	105
## ENSG00000174791.11	88	53	100	82	109
## ENSG00000174744.14	3741	3866	3665	3546	4584
## ENSG00000174684.7	4086	4872	4380	4999	5869
## ENSG00000255468.7	153	216	155	205	195
## ENSG00000174669.12	2290	2776	2736	2802	2935
## ENSG00000254510.3	31	29	26	22	26
## ENSG00000174547.13	5423	6071	5410	5704	6995
## ENSG00000174516.15	839	689	951	729	1096
## ENSG00000255517.8	115	118	133	138	154
## ENSG00000254986.8	8204	9090	8565	8828	10324
## ENSG00000174483.20	45	46	44	45	37
## ENSG00000174165.8	1131	1178	1275	1325	1569
## ENSG00000248746.6	11	4	24	10	19
## ENSG00000174080.12	911	1669	1031	1663	2389
## ENSG00000182791.5	59	64	62	49	69
## ENSG00000173992.9	704	797	963	833	1055
## ENSG00000239306.5	5149	5418	5486	5700	7075
## ENSG00000248643.5	21	27	21	31	24
## ENSG00000173933.21	963	1094	1041	1028	1065
## ENSG00000173914.12	1714	2263	1892	2151	2128

## ENSG00000173898.15	6549	5522	6712	5588	6990
## ENSG00000173715.19	941	1025	1077	972	1142
## ENSG00000173653.8	1109	1401	1267	1482	1671
## ENSG00000173599.15	1422	1545	1438	1556	1757
## ENSG00000173621.9	1311	1054	1261	1101	1671
## ENSG00000173227.14	20	16	18	27	13
## ENSG00000173156.7	549	699	490	717	831
## ENSG00000173120.15	6987	8193	8059	8630	7330
## ENSG00000173020.11	3602	3814	3829	3973	4615
## ENSG00000172932.16	996	1220	1106	1349	1351
## ENSG00000172830.13	1892	1832	1945	1883	2281
## ENSG00000172613.8	560	527	618	644	681
## ENSG00000175482.9	170	242	208	250	220
## ENSG00000175505.11	289	384	319	399	391
## ENSG00000275484.1	4	13	6	6	12
## ENSG00000172531.16	10981	12539	11470	11908	15586
## ENSG00000175463.12	12	5	11	5	4
## ENSG00000172508.11	12	8	21	8	19
## ENSG00000175634.15	3763	3834	3458	3773	4921
## ENSG00000172725.14	4839	5052	4976	4730	6468
## ENSG00000172663.9	1014	944	1024	1145	1528
## ENSG00000110711.11	1950	1969	2018	2027	2596
## ENSG00000110697.13	6072	6107	6133	6139	7863
## ENSG00000167797.8	2251	2525	2528	2621	3531
## ENSG00000084207.18	44175	47804	48210	47432	68840
## ENSG00000167792.13	6166	6405	6629	6260	8291
## ENSG00000293486.1	5	4	5	7	6
## ENSG00000167799.10	126	140	145	146	144
## ENSG00000167800.10	32	36	33	40	25
## ENSG00000132744.8	40	47	77	63	63
## ENSG00000132746.16	8	11	15	18	17
## ENSG00000239559.2	58	54	75	111	99
## ENSG00000227620.4	45	53	45	38	64
## ENSG00000290994.1	563	669	684	661	730
## ENSG00000160172.11	7	18	12	21	6
## ENSG00000251637.6	10	6	5	11	7
## ENSG00000110057.9	1137	1078	1179	1132	1486
## ENSG00000006534.17	192	113	209	148	235
## ENSG00000255306.1	8	6	6	4	5
## ENSG00000110717.13	4089	4239	4243	4274	6314
## ENSG00000110719.11	678	781	750	804	834
## ENSG00000255031.5	15	23	11	19	11
## ENSG00000110721.12	2227	2480	2525	2659	2470
## ENSG00000110066.16	2774	3366	3428	3433	3029
## ENSG00000171067.11	3396	4235	3960	4577	4726
## ENSG00000286369.2	10	13	13	14	13
## ENSG00000162337.12	8272	9463	8928	9701	10866
## ENSG00000110075.15	8449	11294	10206	11567	8993
## ENSG00000069482.7	518	330	564	390	613
## ENSG00000132749.11	437	632	511	613	417
## ENSG00000110090.13	66	80	81	78	74
## ENSG00000250508.1	10	3	13	8	7
## ENSG00000197345.13	2761	3084	2948	3093	3712
## ENSG00000132740.10	1225	1280	1282	1366	1296

## ENSG00000255741.1	6	18	17	15	9
## ENSG00000172935.10	47	32	65	52	62
## ENSG00000162341.18	387	460	460	529	467
## ENSG00000284713.2	5	7	16	18	13
## ENSG00000172927.9	22	21	17	13	25
## ENSG00000255774.2	22	30	26	42	27
## ENSG00000285094.1	13	15	23	17	24
## ENSG00000110092.4	36717	54849	43169	49344	50734
## ENSG00000149716.13	553	674	693	807	644
## ENSG00000162344.4	687	1058	698	1032	841
## ENSG00000131620.18	1687	1171	1867	1187	1714
## ENSG00000168040.5	686	707	752	677	918
## ENSG00000289074.2	33	40	40	49	51
## ENSG00000131626.19	4203	5226	4830	5541	4480
## ENSG00000255329.1	1	5	7	5	3
## ENSG00000254604.1	6	6	4	6	4
## ENSG00000246889.3	37	37	50	41	41
## ENSG00000085733.16	10919	14220	13180	15003	13004
## ENSG00000162105.21	1461	1962	1893	2231	1787
## ENSG00000172893.18	9389	10616	9978	10130	12017
## ENSG00000254682.2	171	213	170	219	238
## ENSG00000172890.13	4106	4839	4500	4867	5620
## ENSG00000293546.1	14	13	16	17	22
## ENSG00000285933.1	2	1	5	5	1
## ENSG00000291186.1	739	963	952	917	1030
## ENSG00000254978.2	24	24	22	41	31
## ENSG00000254469.11	62	55	68	49	38
## ENSG00000225805.4	5	6	8	4	5
## ENSG00000228915.3	11	14	18	23	15
## ENSG00000254593.1	11	10	12	2	0
## ENSG00000137522.18	1645	2000	1965	2093	2131
## ENSG00000137496.19	179	245	230	299	191
## ENSG00000137497.19	8351	8895	8677	8796	9703
## ENSG00000251143.1	6	3	7	9	6
## ENSG00000284922.2	12	5	5	11	11
## ENSG00000184154.16	309	278	353	281	362
## ENSG00000149357.10	5959	7338	6568	7686	8565
## ENSG00000110200.9	1306	1490	1376	1558	1730
## ENSG00000110203.10	4	20	14	15	11
## ENSG00000110195.14	1106	1635	1181	1552	1623
## ENSG00000165458.15	9787	9786	10432	10384	10976
## ENSG00000165462.5	346	177	401	219	316
## ENSG00000162129.15	1826	2011	2135	1953	1974
## ENSG00000186642.16	130	98	170	108	165
## ENSG00000186635.16	4430	4891	4626	5178	5790
## ENSG00000286555.1	0	8	4	6	2
## ENSG00000214530.10	12153	15355	12909	14756	16375
## ENSG00000285693.2	6	17	10	8	8
## ENSG00000168010.11	142	143	174	158	134
## ENSG00000137478.15	1287	1457	1490	1636	1448
## ENSG00000234751.1	3	7	6	11	15
## ENSG00000175591.12	110	143	128	136	127
## ENSG00000171631.16	4	12	5	32	7
## ENSG00000257038.1	10	10	6	8	19

## ENSG00000110237.5	2691	2875	3019	3206	3176
## ENSG00000054967.13	442	468	516	498	659
## ENSG00000054965.11	3480	4214	4241	4238	4032
## ENSG00000256148.1	8	19	13	28	27
## ENSG00000021300.14	1879	2176	2214	1981	2505
## ENSG00000175582.20	11344	15563	13485	14749	12732
## ENSG00000175581.14	1966	2270	2078	2248	2340
## ENSG00000181924.7	3980	4886	4317	5051	5374
## ENSG00000175575.13	2263	2591	2829	2432	2713
## ENSG00000187726.9	41	46	58	36	55
## ENSG00000175567.11	7132	7999	8881	7182	9485
## ENSG00000175564.13	33	41	26	41	46
## ENSG00000168014.18	3181	3500	3669	3664	3244
## ENSG00000214517.10	5501	6197	6187	6375	6614
## ENSG00000149380.12	2	5	6	8	8
## ENSG00000165434.8	2411	2693	3131	2349	2389
## ENSG00000175538.11	101	76	104	83	56
## ENSG00000175536.7	464	558	559	536	595
## ENSG00000254837.2	153	172	173	187	144
## ENSG00000077514.9	2116	2256	2398	2330	2427
## ENSG00000054938.17	7	5	2	4	21
## ENSG00000227615.1	556	758	598	887	960
## ENSG00000166439.6	1540	1940	1802	2009	1410
## ENSG00000166435.17	208	216	253	262	199
## ENSG00000293324.1	6	12	3	9	4
## ENSG00000118363.13	5599	7274	6587	7276	6633
## ENSG00000162139.10	1698	1936	1993	1952	1818
## ENSG00000137491.15	797	1272	1552	1895	863
## ENSG00000261594.4	58	90	60	146	57
## ENSG00000137486.17	2452	2659	2696	2767	2891
## ENSG00000149273.15	146479	165237	155673	164571	198585
## ENSG00000207445.1	1	10	3	7	9
## ENSG00000149243.17	75	37	81	56	58
## ENSG00000158555.15	465	363	550	430	577
## ENSG00000149257.16	26119	33166	29925	34777	36191
## ENSG00000255326.1	17	11	22	23	23
## ENSG00000171533.12	1086	613	1212	628	1064
## ENSG00000255434.1	10	13	15	15	12
## ENSG00000062282.15	203	338	258	351	330
## ENSG00000198382.9	1118	1293	1333	1494	1116
## ENSG00000085741.14	494	637	526	752	701
## ENSG00000255362.1	39	40	26	31	43
## ENSG00000137492.9	6988	8778	7853	8440	7483
## ENSG00000179240.13	467	429	556	466	440
## ENSG00000255135.5	356	381	423	363	421
## ENSG00000158636.17	2304	2787	2723	3103	2566
## ENSG00000137507.11	82	129	160	227	174
## ENSG00000182704.8	7559	9363	9541	10724	10659
## ENSG00000255100.1	30	34	24	32	47
## ENSG00000261578.1	433	614	537	679	578
## ENSG00000078124.13	2807	3742	3341	3607	3225
## ENSG00000198488.10	15	12	16	26	17
## ENSG00000149260.18	1191	1248	1412	1517	1320
## ENSG00000137474.23	199	227	215	281	234

## ENSG00000149269.10	8426	10287	9691	10459	8982
## ENSG00000074201.9	10088	12235	11682	11922	11752
## ENSG00000178301.4	107	136	138	132	166
## ENSG00000048649.14	6810	9115	8448	8779	7252
## ENSG00000227376.1	21	24	30	19	26
## ENSG00000219529.2	4	8	8	10	7
## ENSG00000087884.16	429	543	518	544	555
## ENSG00000149262.19	1941	1969	2001	1949	2073
## ENSG00000151364.17	469	416	439	348	506
## ENSG00000151366.13	2243	3076	2581	2793	2904
## ENSG00000159063.14	6494	7403	6741	7396	7494
## ENSG00000246174.10	120	146	137	137	135
## ENSG00000188997.8	690	882	769	954	825
## ENSG00000118369.13	541	631	608	660	633
## ENSG00000033327.13	4363	4273	4914	4001	4293
## ENSG00000288538.1	10	24	11	15	12
## ENSG00000251323.3	7	13	4	6	6
## ENSG00000137513.11	3598	4192	4081	4289	3763
## ENSG00000149256.16	9121	12512	10164	12458	10205
## ENSG00000254471.1	12	9	16	10	8
## ENSG00000287912.2	22	10	18	11	25
## ENSG00000227097.5	514	641	669	788	881
## ENSG00000182103.5	1029	1237	1120	1252	1202
## ENSG00000255382.2	11	15	15	8	12
## ENSG00000137509.12	17347	21668	18762	20586	18945
## ENSG00000165490.13	1144	1313	1378	1353	1184
## ENSG00000137502.10	908	1161	1037	1015	829
## ENSG00000246067.10	319	373	397	446	370
## ENSG00000255503.1	5	3	8	9	3
## ENSG00000279900.1	4	15	8	8	2
## ENSG00000165494.12	3564	4573	4277	4657	3258
## ENSG00000247137.9	102	101	106	104	100
## ENSG00000137494.14	1199	1280	1343	1248	1304
## ENSG00000137500.10	4121	4812	4452	4502	4867
## ENSG00000150672.19	630	169	712	187	469
## ENSG00000213305.3	13	22	21	32	26
## ENSG00000171204.13	1927	2408	2070	2367	2294
## ENSG00000171202.7	1054	1159	1092	1217	1221
## ENSG00000137504.15	1438	2317	2144	2289	1663
## ENSG00000179071.5	11	6	4	7	5
## ENSG00000137501.18	335	559	478	649	419
## ENSG00000073921.18	13785	21727	16715	19820	15324
## ENSG00000074266.23	2274	2729	2530	2711	2489
## ENSG00000288809.1	40	24	33	42	33
## ENSG00000254783.1	43	58	41	45	44
## ENSG00000149196.17	2629	3105	2965	3137	3106
## ENSG00000149201.10	43	47	38	64	51
## ENSG00000278989.1	11	26	22	22	36
## ENSG00000151376.19	581	448	673	520	661
## ENSG00000150687.12	20996	28634	25140	27587	27813
## ENSG00000255471.1	92	104	129	124	96
## ENSG00000280339.1	48	55	75	57	58
## ENSG00000174804.4	4005	5018	5288	6002	4493
## ENSG00000246523.10	16	11	31	23	14

## ENSG00000166575.17	2976	4196	3491	4081	3379
## ENSG00000123892.12	2129	2044	2260	2156	2538
## ENSG00000109861.17	28087	40096	33205	39784	37175
## ENSG00000288018.3	39	61	32	41	37
## ENSG00000086991.13	1146	535	1150	565	968
## ENSG00000168930.13	18	18	10	20	21
## ENSG00000166013.11	2	9	4	6	6
## ENSG00000204455.7	7	3	2	8	10
## ENSG00000225581.3	5	24	10	4	17
## ENSG00000204449.3	14	17	12	19	22
## ENSG00000077616.11	988	1301	1162	1225	1020
## ENSG00000280385.1	418	556	533	496	398
## ENSG00000110172.12	4216	5737	5174	4752	4403
## ENSG00000280367.1	6	11	10	8	10
## ENSG00000214391.3	72	92	115	83	158
## ENSG00000165323.16	1857	1230	1990	1255	1509
## ENSG00000180773.15	3338	4614	4138	4096	3718
## ENSG00000165325.15	295	329	328	389	335
## ENSG00000166002.7	1074	1648	1462	1769	1576
## ENSG00000234106.3	12	9	17	14	9
## ENSG00000166004.15	1092	1358	1426	1517	962
## ENSG00000279696.1	56	85	58	57	59
## ENSG00000166012.17	4058	5196	4644	5278	3873
## ENSG00000202314.1	1	11	14	10	5
## ENSG00000182919.15	1741	2889	2030	2577	2050
## ENSG00000042429.12	345	397	397	502	428
## ENSG00000214376.6	97	139	114	145	118
## ENSG00000181333.12	66	64	68	72	68
## ENSG00000110218.9	3093	3693	3329	3409	3266
## ENSG00000250519.7	172	211	201	151	132
## ENSG00000256745.1	18	22	20	35	21
## ENSG00000123901.9	107	33	105	30	58
## ENSG00000020922.13	3557	3716	4094	3643	3349
## ENSG00000255893.1	6	13	6	4	1
## ENSG00000168876.9	824	1003	902	981	941
## ENSG00000134627.12	34	42	49	62	16
## ENSG00000196371.4	1170	1449	1497	1538	1151
## ENSG00000166025.18	9491	11548	11215	11824	10601
## ENSG00000150316.12	3009	3879	3410	3848	3755
## ENSG00000186280.7	118	132	143	165	149
## ENSG00000235268.2	3	22	14	15	17
## ENSG00000263465.5	4186	6058	4886	5729	5463
## ENSG00000149218.5	1424	2010	1718	1810	1542
## ENSG00000245552.9	28	54	56	54	49
## ENSG00000149212.12	7972	11139	9780	10211	7672
## ENSG00000077458.13	1254	1855	1494	1504	1369
## ENSG00000166037.11	3715	4377	4049	4206	3838
## ENSG00000087053.20	6553	8133	7480	7270	6909
## ENSG00000184384.15	1453	2148	1655	2221	1546
## ENSG00000149231.16	1047	1350	1310	1437	1042
## ENSG00000183340.7	721	950	863	933	689
## ENSG00000149972.12	451	48	433	64	287
## ENSG00000255059.1	4	6	1	5	10
## ENSG00000248027.1	15	14	25	17	13

## ENSG00000165895.19	3878	5521	4811	5246	3662
## ENSG00000137672.13	3	6	10	7	11
## ENSG00000110318.15	210	274	239	281	222
## ENSG00000137691.13	84	91	112	110	121
## ENSG00000277459.1	51	60	67	61	66
## ENSG00000137693.14	26600	40125	33528	37736	29254
## ENSG00000023445.17	223	647	302	425	242
## ENSG00000288833.2	9	25	10	17	20
## ENSG00000110330.10	4253	6117	5102	5497	4279
## ENSG00000152558.15	42004	62709	52904	55768	47246
## ENSG00000255337.1	47	50	61	58	50
## ENSG00000137673.9	1	9	3	8	5
## ENSG00000293047.1	9	12	16	23	8
## ENSG00000225678.3	2	11	5	13	6
## ENSG00000166670.10	388	2127	520	1748	680
## ENSG00000196611.6	16684	77698	18611	61417	23286
## ENSG00000149968.12	6	40	8	28	15
## ENSG00000262406.3	43	336	54	254	74
## ENSG00000137692.12	4350	5281	4647	5134	5012
## ENSG00000187240.17	1411	1635	1704	1638	1340
## ENSG00000170962.13	1129	1164	1365	1065	1107
## ENSG00000196954.14	37	82	78	132	79
## ENSG00000137752.25	8	16	19	16	6
## ENSG00000204397.10	4	5	10	10	5
## ENSG00000152578.15	161	123	241	140	194
## ENSG00000285813.1	58	61	67	59	50
## ENSG00000170903.12	3236	4092	3715	3823	3433
## ENSG00000182359.15	340	511	444	426	373
## ENSG00000149313.11	6765	9131	8203	8191	7168
## ENSG00000254433.1	9	22	9	4	6
## ENSG00000290498.1	28	12	22	13	9
## ENSG00000255065.1	23	14	18	19	3
## ENSG00000152402.11	6802	9670	8791	8345	5155
## ENSG00000261098.1	169	181	186	144	163
## ENSG00000152404.16	1324	1705	1558	1559	1302
## ENSG00000137760.15	937	1122	1057	1039	896
## ENSG00000110675.13	30	26	37	33	20
## ENSG00000170290.4	25	30	27	43	29
## ENSG00000110660.15	4617	5977	5095	5433	5489
## ENSG00000179331.3	146	150	160	129	118
## ENSG00000288012.2	5	3	3	7	6
## ENSG00000166266.14	3134	4491	3890	4399	3033
## ENSG00000075239.14	4041	3881	4265	3946	4016
## ENSG00000149308.17	1994	2272	2317	2190	1906
## ENSG00000149311.21	3122	4036	3674	4289	2674
## ENSG00000166323.13	45	74	45	40	50
## ENSG00000178202.14	3726	4246	4624	4442	3928
## ENSG00000110723.12	1571	1466	1873	1476	1426
## ENSG00000178105.12	4371	4671	5235	5118	4785
## ENSG00000185742.7	182	137	227	155	189
## ENSG00000137710.17	18042	29405	22413	27103	21019
## ENSG00000149289.11	1231	1812	1501	1665	1266
## ENSG00000254416.6	84	214	131	174	134
## ENSG00000137714.3	2105	3150	2469	2828	2746

## ENSG00000137727.13	22	20	24	19	27
## ENSG00000271584.2	10	13	14	18	7
## ENSG00000150750.9	11	6	9	16	12
## ENSG00000196167.10	49	22	53	40	26
## ENSG00000214290.9	43	25	28	51	45
## ENSG00000110777.12	36	33	59	23	60
## ENSG00000204381.12	102	135	133	139	217
## ENSG00000170145.5	6083	6696	7038	6656	6184
## ENSG00000137713.16	11968	13212	13159	12297	12592
## ENSG00000086848.15	725	1131	868	1045	977
## ENSG00000255561.7	128	161	178	172	157
## ENSG00000137720.8	1237	1467	1385	1475	1396
## ENSG00000109846.9	18	25	29	28	33
## ENSG00000150764.14	4828	6565	5509	5631	5058
## ENSG00000150768.18	11289	17142	12830	15520	12931
## ENSG00000150773.12	130	122	146	147	119
## ENSG00000150776.18	5453	6652	6192	6735	6073
## ENSG00000150779.12	3603	4684	3740	4851	5349
## ENSG00000204370.13	3313	4670	3847	4388	3883
## ENSG00000150782.12	1031	1562	1088	1373	1372
## ENSG00000197580.13	74	131	90	119	83
## ENSG00000150787.8	889	1161	1116	1267	1128
## ENSG00000250303.6	17	41	46	26	25
## ENSG00000254968.8	0	5	1	5	3
## ENSG00000247416.5	14	4	15	1	7
## ENSG00000149294.18	1693	586	1712	674	1433
## ENSG00000149292.17	1033	1191	979	1249	1215
## ENSG00000270179.1	32	72	51	48	73
## ENSG00000149295.14	58	58	78	55	63
## ENSG00000166682.13	16	18	9	17	21
## ENSG00000086827.9	2860	3450	3178	3339	3202
## ENSG00000048028.12	3189	4089	3721	4351	3441
## ENSG00000109906.15	1668	3188	2165	3158	2206
## ENSG00000166741.9	177	567	258	529	379
## ENSG00000180425.11	286	295	272	264	272
## ENSG00000076053.12	3470	5028	4095	3942	3799
## ENSG00000076043.11	2547	3100	2854	3140	3115
## ENSG00000204361.10	5	7	2	9	2
## ENSG00000182985.19	8089	8676	9154	8082	10096
## ENSG00000246100.5	21	21	19	7	18
## ENSG00000137656.12	2087	2423	2338	2422	2488
## ENSG00000109917.11	4712	5537	5374	5247	5360
## ENSG00000110243.12	3	5	2	6	5
## ENSG00000110244.7	13	17	21	17	8
## ENSG00000110245.12	66	27	93	53	88
## ENSG00000118137.10	8783	13280	10580	13820	11163
## ENSG00000235910.2	7	6	2	5	1
## ENSG00000160584.17	3357	3986	4058	4380	3876
## ENSG00000234268.1	35	36	44	69	83
## ENSG00000168092.14	13392	17372	15245	14979	15570
## ENSG00000149577.17	2987	3284	3290	3179	3403
## ENSG00000149591.17	25937	28059	25968	23994	28224
## ENSG00000160613.15	1628	1921	1725	1925	1945
## ENSG00000167257.11	2014	2450	2443	2523	2261

## ENSG00000186318.18	2429	2933	2877	2862	2781
## ENSG00000278768.4	148	209	232	257	221
## ENSG00000110274.16	1884	2189	2263	2348	1962
## ENSG00000177103.15	403	811	496	868	728
## ENSG00000137731.14	11	13	7	15	20
## ENSG00000254528.7	26	50	25	41	35
## ENSG00000137726.17	1839	1036	2067	1101	2150
## ENSG00000137747.16	370	502	505	484	421
## ENSG00000110324.12	22	13	45	11	15
## ENSG00000255274.10	6	5	12	4	5
## ENSG00000137648.19	422	668	489	670	478
## ENSG00000177098.9	195	230	191	210	258
## ENSG00000149575.9	49	8	48	13	41
## ENSG00000160593.20	60	91	79	149	91
## ENSG00000160588.10	1243	1922	1743	2003	1463
## ENSG00000149573.9	2032	3922	2744	3858	2578
## ENSG00000280032.1	5	11	9	11	5
## ENSG00000198851.10	10	7	6	12	7
## ENSG00000167286.11	25	32	36	36	24
## ENSG00000160654.11	5	8	8	2	3
## ENSG00000110344.10	4046	5424	4950	5693	4322
## ENSG00000167283.9	3331	4094	3406	3681	4011
## ENSG00000118058.25	4464	6279	5760	6881	4693
## ENSG00000255435.7	8	30	14	11	14
## ENSG00000172425.12	9	11	16	13	12
## ENSG00000149582.16	943	1118	1175	1356	1346
## ENSG00000118096.10	1091	1188	1212	1177	1270
## ENSG00000243431.1	15	27	21	31	27
## ENSG00000095139.15	16601	22775	20285	23340	19870
## ENSG00000019144.20	3907	4302	4225	4437	4895
## ENSG00000287238.1	9	22	22	26	9
## ENSG00000110367.14	19526	26321	22734	24246	20959
## ENSG00000278376.2	35	45	40	36	50
## ENSG00000186174.13	4867	5272	5589	5431	5913
## ENSG00000110375.3	22	29	35	46	31
## ENSG00000280502.1	10	20	26	9	20
## ENSG00000255121.2	127	152	159	133	134
## ENSG00000186166.9	378	569	488	643	495
## ENSG00000240970.1	17	31	20	52	14
## ENSG00000254428.1	29	48	22	58	24
## ENSG00000254909.1	15	17	13	18	13
## ENSG00000118181.11	43058	49842	49249	51445	57257
## ENSG00000196655.12	2533	2727	2853	2962	3206
## ENSG00000137700.19	4713	5529	5211	5653	6399
## ENSG00000149428.21	41609	55538	46127	57579	52744
## ENSG00000272186.1	2	8	7	6	3
## ENSG00000160695.16	2387	2702	2707	2956	2923
## ENSG00000256269.11	2784	3273	3082	3289	3622
## ENSG00000188486.4	6372	6007	6267	6095	8986
## ENSG00000172269.20	3250	4113	3952	4094	4250
## ENSG00000172375.14	530	461	595	488	643
## ENSG00000172273.13	1424	1728	1664	1889	1838
## ENSG00000172350.10	34	12	34	15	17
## ENSG00000160703.17	960	1054	1109	1121	1200

## ENSG00000172367.16	33	19	38	37	35
## ENSG00000248712.8	52	39	57	44	58
## ENSG00000110395.8	3579	4889	4850	5236	3663
## ENSG00000076706.17	1193	1112	1415	1280	1431
## ENSG00000173456.5	5544	6152	6416	5852	7293
## ENSG00000036672.16	588	818	788	835	842
## ENSG00000245248.10	113	105	127	130	154
## ENSG00000154096.14	59	186	135	254	186
## ENSG00000289553.1	24	26	13	23	15
## ENSG00000230716.3	6	3	3	4	9
## ENSG00000110400.11	7761	7825	8434	8088	9775
## ENSG00000254854.1	5	3	5	4	4
## ENSG00000288047.3	4	5	4	20	5
## ENSG00000137699.17	17	42	25	20	30
## ENSG00000184232.9	996	1296	1187	1439	1285
## ENSG00000137709.10	15	10	12	8	5
## ENSG00000181264.9	822	998	975	1039	1011
## ENSG00000196914.9	11473	15770	13778	15243	11993
## ENSG00000149403.13	137	141	159	129	178
## ENSG00000154114.13	1492	2200	1810	2061	1676
## ENSG00000285509.1	17	27	17	26	18
## ENSG00000109927.11	129	144	148	131	144
## ENSG00000109929.10	8024	11896	9616	11045	9030
## ENSG00000232460.4	9	4	6	12	6
## ENSG00000137642.13	2314	3926	2870	3623	2637
## ENSG00000255248.11	26	42	33	41	54
## ENSG00000154127.10	2738	4808	3296	4136	3669
## ENSG00000109944.11	225	247	275	283	249
## ENSG00000109971.14	164025	184122	179349	180537	186851
## ENSG00000288061.3	4	13	4	5	20
## ENSG00000166250.12	811	992	1253	1144	970
## ENSG00000023171.20	270	155	238	188	265
## ENSG00000254449.1	5	1	3	1	5
## ENSG00000166257.10	653	466	678	442	677
## ENSG00000166261.11	1477	1626	1602	1665	1547
## ENSG00000181518.4	6	2	7	2	4
## ENSG00000181499.3	6	2	6	2	2
## ENSG00000254737.3	13	3	3	7	6
## ENSG00000110002.16	1855	1546	1991	1476	1967
## ENSG00000154144.13	1626	1989	1746	2103	1941
## ENSG00000110013.13	2553	4938	2919	4948	3136
## ENSG00000064199.7	1029	1331	1167	1259	1256
## ENSG00000154146.13	120	172	126	167	206
## ENSG00000019102.12	127	78	157	90	117
## ENSG00000149564.12	32	53	38	47	61
## ENSG00000250073.4	10	22	16	12	15
## ENSG00000120458.13	777	960	892	940	896
## ENSG00000279342.2	19	33	41	53	25
## ENSG00000245498.7	162	238	241	230	160
## ENSG00000154134.15	91	57	101	58	72
## ENSG00000285825.2	68	101	103	76	82
## ENSG00000149548.15	155	164	171	162	142
## ENSG00000134955.12	41	41	62	47	41
## ENSG00000150433.10	797	956	972	902	978

## ENSG00000289631.1	6	4	6	3	8
## ENSG00000293069.1	9	6	7	5	6
## ENSG00000254880.1	7	0	0	3	8
## ENSG00000165495.16	927	870	1047	878	1143
## ENSG00000149557.14	405	469	519	462	504
## ENSG00000149547.15	15911	21283	18321	20008	21041
## ENSG00000134910.14	19647	26777	23838	26277	24713
## ENSG00000149554.15	4117	4524	4532	4457	4345
## ENSG00000134940.14	17	24	32	41	36
## ENSG00000198331.11	805	1012	1000	997	948
## ENSG00000110060.9	1627	1916	1894	1799	1821
## ENSG00000109832.14	171	169	228	161	192
## ENSG00000064309.16	862	956	976	1031	892
## ENSG00000254759.1	21	22	34	34	39
## ENSG00000165526.9	2785	3157	3007	3127	3186
## ENSG00000254694.1	3	9	5	8	6
## ENSG00000197798.9	2925	3917	3332	3990	3592
## ENSG00000182934.12	8665	10663	10185	10857	10979
## ENSG00000110074.12	2447	2674	2881	2979	3145
## ENSG00000150455.15	546	652	623	735	574
## ENSG00000255062.2	57	86	63	66	51
## ENSG00000110063.10	1310	1254	1454	1304	1495
## ENSG00000280832.3	158	151	186	239	198
## ENSG00000110080.20	624	570	606	648	718
## ENSG00000149571.12	19	14	19	7	28
## ENSG00000254612.2	77	101	82	93	85
## ENSG00000134954.14	757	979	895	793	655
## ENSG00000151702.18	16	47	23	50	30
## ENSG00000151704.16	6	8	4	8	10
## ENSG00000120457.12	643	670	793	615	620
## ENSG00000174370.12	50	53	67	55	45
## ENSG00000120471.16	7	3	2	5	5
## ENSG00000134909.19	2580	2640	2890	2780	2419
## ENSG00000043039.7	264	272	360	359	449
## ENSG00000151715.8	226	254	277	267	202
## ENSG00000289223.1	62	56	65	75	49
## ENSG00000170322.15	3538	4041	4002	4479	3904
## ENSG00000170325.16	1329	1757	1723	1841	1474
## ENSG00000084234.18	76280	107279	90299	107621	95579
## ENSG00000149418.11	10930	15977	11900	16528	14355
## ENSG00000196323.14	2865	3362	3770	3327	2863
## ENSG00000175773.15	9	8	11	4	6
## ENSG00000134917.10	32	12	28	16	13
## ENSG00000166106.4	141	134	192	178	174
## ENSG00000120451.11	5641	7142	6609	7501	6426
## ENSG00000182667.15	230	73	237	62	181
## ENSG00000183715.15	701	377	762	355	701
## ENSG00000279711.1	17	35	16	18	19
## ENSG00000080854.16	1171	1182	1537	1328	1127
## ENSG00000255406.3	22	9	22	15	18
## ENSG00000204241.9	8	14	13	6	8
## ENSG00000166086.13	1172	638	1394	623	1247
## ENSG00000151503.14	3371	3850	4028	4427	3742
## ENSG00000151502.11	4967	5578	5462	5265	5873

## ENSG00000151500.15	4283	4915	4971	4948	5601
## ENSG00000151498.12	1186	1469	1517	1703	1621
## ENSG00000149328.16	1428	1907	1545	1933	2185
## ENSG00000109956.13	828	524	917	488	975
## ENSG00000255545.8	9	3	12	5	10
## ENSG00000251226.2	58	35	61	27	68
## ENSG00000285735.2	1	10	14	4	3
## ENSG00000226210.3	979	1188	1067	1266	1214
## ENSG00000120645.12	51	14	58	15	39
## ENSG00000249695.6	6	4	11	6	5
## ENSG00000111181.13	75	120	82	100	68
## ENSG00000010379.16	4	16	6	8	8
## ENSG00000261799.1	185	280	260	293	272
## ENSG00000073614.13	5485	6840	6277	6790	5203
## ENSG00000120647.10	1580	1961	2064	1999	1871
## ENSG00000139044.12	8232	9829	9168	9586	8488
## ENSG00000171840.13	29	13	20	21	17
## ENSG00000177406.5	214	297	271	268	247
## ENSG00000060237.19	14867	18559	17724	19170	15267
## ENSG00000002016.18	447	544	523	653	480
## ENSG00000250132.6	266	379	332	307	319
## ENSG00000082805.21	5231	5647	6014	5565	5284
## ENSG00000111186.13	489	440	519	465	659
## ENSG00000171823.7	750	817	788	901	961
## ENSG00000006831.10	6314	7827	7216	7839	7043
## ENSG00000243663.1	8	12	3	6	11
## ENSG00000151062.15	4	6	8	7	5
## ENSG00000166159.11	7	11	13	7	12
## ENSG00000151065.14	1442	1694	1601	1851	1743
## ENSG00000151067.23	218	155	213	161	170
## ENSG00000256271.1	39	42	45	63	57
## ENSG00000246627.6	17	9	22	19	19
## ENSG00000274659.4	4	3	4	7	6
## ENSG00000004478.8	19044	20658	20517	19528	23304
## ENSG00000111203.13	798	842	863	853	917
## ENSG00000288984.1	10	10	16	18	5
## ENSG00000053702.15	60	60	46	65	50
## ENSG00000283297.2	4	3	5	7	7
## ENSG00000111206.13	6181	6259	6710	6036	7367
## ENSG00000171792.11	2846	3154	3435	2981	3560
## ENSG00000078246.17	2088	2422	2465	2438	2511
## ENSG00000278356.1	6	8	14	2	16
## ENSG00000197905.10	1084	1010	1174	1040	1304
## ENSG00000250899.3	553	595	680	502	693
## ENSG00000234589.4	111	90	67	132	161
## ENSG00000011105.14	2112	2262	2512	2517	2700
## ENSG00000227081.5	277	455	376	586	568
## ENSG00000291189.1	2	10	11	5	7
## ENSG00000111218.12	6	0	2	0	8
## ENSG00000130038.10	140	158	169	151	156
## ENSG00000280202.1	32	27	38	44	30
## ENSG00000111224.14	947	1235	1148	1104	960
## ENSG00000118976.5	3	4	6	12	3
## ENSG00000256862.5	1	8	6	10	10

## ENSG00000256356.1	29	25	43	40	43
## ENSG00000255920.4	18	20	20	23	20
## ENSG00000118971.9	14830	20708	18886	18597	22048
## ENSG00000078237.7	1452	2045	1661	1933	1553
## ENSG00000118972.3	15	19	24	42	25
## ENSG00000047621.12	1200	1475	1247	1396	1234
## ENSG00000111247.15	1561	1871	1739	1799	1706
## ENSG00000010219.14	641	714	784	833	801
## ENSG00000111254.8	53	54	56	52	53
## ENSG00000139180.11	1171	1445	1308	1306	1402
## ENSG00000255639.3	5	4	3	12	7
## ENSG00000130035.9	185	101	195	102	184
## ENSG00000256988.2	30	24	56	22	42
## ENSG00000151079.8	414	312	513	335	466
## ENSG00000130037.5	13	16	19	12	24
## ENSG00000256115.6	0	3	5	7	0
## ENSG00000256417.1	21	20	21	26	19
## ENSG00000256146.1	4	5	5	8	1
## ENSG00000256218.1	17	43	33	46	24
## ENSG00000185652.12	1508	2185	1664	2358	1899
## ENSG00000047617.18	15	25	9	26	21
## ENSG00000110799.14	42	17	33	23	32
## ENSG00000010278.15	8282	11703	9597	11915	10444
## ENSG00000008323.16	2203	2560	2436	2678	2836
## ENSG00000067182.9	4965	6235	5469	6233	6464
## ENSG00000111319.13	12753	18124	15565	18677	17077
## ENSG00000111321.11	582	588	662	689	781
## ENSG00000213942.3	22	30	23	37	51
## ENSG00000215039.9	166	148	201	179	203
## ENSG00000139192.12	27	34	33	46	39
## ENSG00000139190.17	78	89	104	148	95
## ENSG00000256913.1	9	9	16	7	10
## ENSG00000111639.8	7753	9316	8807	9112	9803
## ENSG00000010292.13	16604	17704	18787	18689	18259
## ENSG00000255966.1	7	2	7	3	5
## ENSG00000111640.15	233339	267285	259296	263541	339139
## ENSG00000010295.20	326	193	301	238	373
## ENSG00000111641.13	94	126	102	114	96
## ENSG00000111642.16	2464	2725	2683	2669	3299
## ENSG00000184574.10	39	10	23	29	39
## ENSG00000111644.8	25	19	26	15	19
## ENSG00000111653.20	1184	1445	1278	1601	1610
## ENSG00000219410.7	9	8	11	17	10
## ENSG00000126746.19	2824	3117	3170	3359	3045
## ENSG00000139200.14	122	67	129	65	129
## ENSG00000111652.10	1499	1721	1629	1943	2038
## ENSG00000269892.1	9	9	3	6	3
## ENSG00000089693.11	14335	17352	15129	17390	20158
## ENSG00000159335.19	20237	23063	24333	24446	33299
## ENSG00000089692.9	10	17	5	13	10
## ENSG00000010610.10	65	89	99	62	88
## ENSG00000250510.8	185	170	215	151	226
## ENSG00000110811.20	2868	3399	3181	3370	3986
## ENSG00000111664.11	38	43	58	63	36

## ENSG00000111665.12	1581	1563	1832	1730	1961
## ENSG00000111667.14	10966	12048	11479	11392	13457
## ENSG00000111669.15	60271	65713	64735	66014	85588
## ENSG00000111671.10	291	401	344	406	407
## ENSG00000293161.1	52	76	52	56	48
## ENSG00000010626.15	349	354	425	412	492
## ENSG00000290712.1	106	119	110	120	112
## ENSG00000275703.1	7	1	6	5	6
## ENSG00000111674.9	1840	1612	2324	1908	2435
## ENSG00000111676.15	7070	7508	7799	8004	9180
## ENSG00000111678.11	1361	1621	1284	1684	2183
## ENSG00000272173.2	17	7	10	7	13
## ENSG00000111679.17	1282	1479	1494	1508	1649
## ENSG00000257084.2	18	17	29	16	21
## ENSG00000215021.10	24842	28662	25714	27537	32299
## ENSG00000126749.17	896	1084	1048	1167	1109
## ENSG00000290146.1	11	14	24	15	11
## ENSG00000111684.11	1549	1895	1753	1946	1773
## ENSG00000182326.17	102	83	136	90	122
## ENSG00000159403.18	309	444	322	473	440
## ENSG00000139178.12	2442	3355	2884	3490	2958
## ENSG00000205885.8	90	134	95	163	75
## ENSG00000139194.8	40	59	56	56	39
## ENSG00000256967.1	23	29	32	37	23
## ENSG00000139182.15	5472	5837	6158	5712	6516
## ENSG00000139197.11	3581	4276	4312	4682	4368
## ENSG00000177675.9	7	9	11	14	6
## ENSG00000255836.1	24	37	27	31	27
## ENSG00000177575.13	36	70	60	117	60
## ENSG00000173262.12	40	773	50	1139	1782
## ENSG00000059804.17	7402	2207	8392	2915	4637
## ENSG00000255964.1	4	6	6	5	15
## ENSG00000065970.9	1653	1917	1933	1958	1792
## ENSG00000089818.18	1585	1888	1842	1923	1705
## ENSG00000279865.1	50	52	57	79	79
## ENSG00000226711.9	121	157	153	156	141
## ENSG00000275367.1	24	18	15	12	21
## ENSG00000171847.11	4	6	6	5	5
## ENSG00000254016.3	5	3	3	14	3
## ENSG00000164845.17	35	64	42	55	65
## ENSG00000215241.4	20	13	13	27	15
## ENSG00000286895.1	26	21	16	17	14
## ENSG00000226091.7	12	17	25	17	24
## ENSG00000243830.2	4	6	1	10	10
## ENSG00000166523.8	3	3	6	7	11
## ENSG00000255967.1	6	3	4	9	6
## ENSG00000197614.11	16	14	15	8	13
## ENSG00000166532.16	1499	1653	1916	1691	1578
## ENSG00000249790.3	938	1111	981	1044	998
## ENSG00000111752.11	2123	2332	2463	2415	2409
## ENSG00000003056.8	6589	8813	7276	8484	7892
## ENSG00000139187.10	129	146	132	150	138
## ENSG00000245105.4	15	18	19	19	22
## ENSG00000175899.15	1286	4078	2991	4684	2350

## ENSG00000283429.1	16	17	23	16	39
## ENSG00000231503.4	71	74	80	63	70
## ENSG00000237248.6	5	18	10	8	10
## ENSG00000111788.10	121	113	121	164	110
## ENSG00000260423.2	7	12	13	17	10
## ENSG00000256673.1	11	11	21	22	17
## ENSG00000278635.1	5	12	9	13	5
## ENSG00000214826.5	99	123	153	160	119
## ENSG00000284634.1	8	12	8	10	6
## ENSG00000291107.1	40	49	34	59	51
## ENSG00000257027.1	123	214	140	199	138
## ENSG00000069493.15	91	120	111	122	107
## ENSG00000150045.12	4	11	15	8	10
## ENSG00000173391.9	47	84	77	90	98
## ENSG00000165685.9	3	19	23	5	7
## ENSG00000139112.11	4723	5593	5942	5796	5817
## ENSG00000134539.17	15	19	11	9	8
## ENSG00000245648.2	224	433	284	415	339
## ENSG00000213809.9	4	8	6	7	3
## ENSG00000180574.4	51	64	67	74	63
## ENSG00000290537.1	41	35	38	40	31
## ENSG00000111196.10	1581	1828	1694	1712	1724
## ENSG00000060140.9	33	43	45	34	22
## ENSG00000060138.13	16107	20821	18998	18658	24053
## ENSG00000231887.9	24	23	21	29	20
## ENSG00000121318.3	1	6	2	4	5
## ENSG00000111215.12	5	6	6	9	5
## ENSG00000275778.3	16	15	16	16	9
## ENSG00000212127.6	32	42	35	25	28
## ENSG00000212125.2	11	9	14	18	12
## ENSG00000255837.2	26	49	41	36	46
## ENSG00000212124.2	1	10	6	11	6
## ENSG00000256436.1	6	16	12	13	7
## ENSG00000256537.5	2462	2953	2863	2730	2919
## ENSG00000197870.14	14	18	22	9	16
## ENSG00000247157.7	21	16	13	22	15
## ENSG00000139083.11	1901	2504	2274	2411	2073
## ENSG00000121380.12	100	112	107	151	71
## ENSG00000198134.3	82	116	89	92	112
## ENSG00000283475.1	8	8	5	8	12
## ENSG00000070018.9	7740	10355	9516	10309	7387
## ENSG00000111261.14	1575	2403	1811	2291	1815
## ENSG00000205791.4	21	23	27	25	29
## ENSG00000165714.11	856	1100	968	1099	919
## ENSG00000111266.9	9586	16257	11332	16078	10987
## ENSG00000290048.1	20	15	21	27	16
## ENSG00000111269.3	1345	1835	1664	1639	1531
## ENSG00000183150.8	44	43	54	45	64
## ENSG00000111276.12	1254	1435	1554	1541	1383
## ENSG00000178878.13	85	105	92	101	97
## ENSG00000213782.7	18	20	24	36	29
## ENSG00000241352.3	33	45	43	59	67
## ENSG00000234498.3	57	88	69	92	100
## ENSG00000013588.10	9326	14277	11080	13761	13746

## ENSG00000247498.11	135	23	150	19	16
## ENSG00000111291.9	11	2	8	8	3
## ENSG00000013583.10	6698	9128	7574	8929	8753
## ENSG00000293237.1	86	102	96	118	97
## ENSG00000084444.14	1460	1781	1768	1690	1632
## ENSG00000111305.19	191	405	208	342	311
## ENSG00000134531.10	36	78	31	66	40
## ENSG00000180861.9	43	118	63	110	59
## ENSG00000273079.7	57	58	80	55	60
## ENSG00000171681.13	13247	17487	16284	17112	14230
## ENSG00000121316.11	1531	1737	1722	1739	1315
## ENSG00000256751.6	95	101	81	92	84
## ENSG00000070019.5	398	517	683	578	393
## ENSG00000214772.2	2	1	6	0	7
## ENSG00000261324.2	31	24	31	63	25
## ENSG00000197837.4	17	24	25	20	19
## ENSG00000289909.1	2	13	17	12	17
## ENSG00000246705.5	1446	1636	1255	1628	2253
## ENSG00000084463.8	10320	11672	12345	12202	12091
## ENSG00000182993.5	227	281	301	247	227
## ENSG00000111339.12	6	7	4	14	8
## ENSG00000111341.10	6	19	4	36	40
## ENSG00000139055.7	678	976	954	982	778
## ENSG00000111348.9	554	790	671	917	812
## ENSG00000134533.6	476	513	508	596	723
## ENSG00000151490.15	10	18	15	12	33
## ENSG00000151491.14	661	872	839	1010	906
## ENSG00000023734.11	22597	27547	25307	25508	26956
## ENSG00000023697.13	2475	3410	2623	3160	2872
## ENSG00000008394.13	8451	11576	10225	11863	10556
## ENSG00000256238.1	127	144	141	128	129
## ENSG00000048540.16	87	51	127	26	62
## ENSG00000256211.1	5	2	7	19	12
## ENSG00000213235.3	43	42	50	80	108
## ENSG00000139144.11	10	20	19	24	10
## ENSG00000227525.4	17	13	16	14	29
## ENSG00000052126.17	2788	4292	3592	4363	3132
## ENSG00000139154.16	2026	2989	2712	2515	2327
## ENSG00000255909.1	3	5	2	6	2
## ENSG00000245205.3	363	411	414	651	732
## ENSG00000287074.1	6	5	2	11	5
## ENSG00000255910.2	22	27	24	38	21
## ENSG00000256849.1	12	16	24	12	26
## ENSG00000256879.1	8	5	21	16	20
## ENSG00000172572.7	27762	49352	33255	46334	32419
## ENSG00000256663.1	87	93	116	106	104
## ENSG00000139155.9	17	55	24	54	15
## ENSG00000111700.13	1	6	5	8	1
## ENSG00000134538.3	3	4	8	4	7
## ENSG00000084453.17	87	238	158	211	134
## ENSG00000121351.8	40	10	24	9	36
## ENSG00000121350.16	562	849	667	761	579
## ENSG00000004700.16	1637	1886	1953	2039	1594
## ENSG00000111711.10	3259	5083	3984	4052	3767

## ENSG00000134548.11	91	140	132	131	91
## ENSG00000111716.14	6595	8574	7364	7305	7976
## ENSG00000121361.5	896	1277	1184	1503	1418
## ENSG00000069431.14	96	82	129	128	109
## ENSG00000111726.13	2582	3208	3134	3090	2965
## ENSG00000111728.11	152	170	187	139	220
## ENSG00000111731.13	5039	6409	6016	6272	5010
## ENSG00000256973.1	2	6	4	5	5
## ENSG00000257023.1	25	27	18	18	23
## ENSG00000139163.16	8702	13778	11429	11551	8945
## ENSG00000256995.8	3	17	9	9	14
## ENSG00000134532.20	885	1297	1025	1286	1204
## ENSG00000060982.15	5476	10220	6826	10579	11450
## ENSG00000255921.1	7	8	10	5	7
## ENSG00000118308.16	85	338	102	350	270
## ENSG00000118307.20	23	36	22	31	66
## ENSG00000205707.11	328	924	398	763	806
## ENSG00000133703.14	6043	18853	8043	16927	13627
## ENSG00000255725.2	21	20	13	17	14
## ENSG00000246695.9	88	179	99	183	221
## ENSG00000123094.16	839	1926	1038	1772	1723
## ENSG00000123095.6	32	58	33	51	54
## ENSG00000123096.12	128	126	135	104	120
## ENSG00000256894.1	5	3	5	3	3
## ENSG00000123104.12	1263	1305	1473	1275	1148
## ENSG00000064102.15	3072	3329	3425	3349	3006
## ENSG00000111790.14	1318	1644	1648	1583	1317
## ENSG00000064115.11	5892	8982	6793	8457	8349
## ENSG00000247903.1	15	31	22	42	20
## ENSG00000152944.9	2189	2840	2666	2501	2451
## ENSG00000275764.1	247	382	329	336	334
## ENSG00000256625.1	1	5	6	1	2
## ENSG00000211455.8	5914	8196	7035	6983	5816
## ENSG00000029153.15	2607	2959	2853	2700	2370
## ENSG00000288971.1	5	11	12	7	7
## ENSG00000165935.10	11	17	11	6	10
## ENSG00000110841.14	3151	3937	3919	3895	3034
## ENSG00000256377.6	5	7	13	15	9
## ENSG00000174236.4	10	14	6	7	5
## ENSG00000276261.1	6	11	6	13	12
## ENSG00000061794.13	7158	9861	8210	8966	8499
## ENSG00000087448.11	1955	2483	2438	2676	2096
## ENSG00000087494.16	532	774	603	670	761
## ENSG00000123106.11	1808	1975	2007	1667	1849
## ENSG00000247934.4	64	59	79	58	68
## ENSG00000064763.12	633	1028	910	1169	814
## ENSG00000257176.3	45	38	31	40	18
## ENSG00000274315.1	14	14	11	19	11
## ENSG00000087502.19	2475	2916	2761	2844	2511
## ENSG00000257599.5	20	31	27	41	39
## ENSG00000133687.16	775	616	890	533	683
## ENSG00000133704.10	6549	7934	7548	7510	6806
## ENSG00000110888.19	1633	2555	2188	2549	1723
## ENSG00000285517.1	152	296	188	309	182

## ENSG00000110900.16	1913	3087	2120	2979	3383
## ENSG00000290531.1	8	13	18	13	11
## ENSG00000245614.6	55	67	51	62	56
## ENSG00000013573.17	1441	1501	1643	1615	1753
## ENSG00000291250.1	18	13	18	14	18
## ENSG00000243517.1	73	94	89	115	157
## ENSG00000275097.1	14	10	10	10	7
## ENSG00000139146.14	25883	35405	29804	34000	31087
## ENSG00000177340.5	12	19	13	17	18
## ENSG00000256232.1	154	212	173	232	228
## ENSG00000170456.16	2506	3065	3068	2769	2540
## ENSG00000275769.1	5	15	7	9	7
## ENSG00000233381.4	10	15	11	9	8
## ENSG00000139160.13	74	90	92	84	94
## ENSG00000151743.11	481	678	630	634	561
## ENSG00000276900.1	41	45	38	49	38
## ENSG00000188375.5	27	26	40	37	44
## ENSG00000255760.4	27	26	32	45	29
## ENSG00000174718.12	18287	27871	21588	27804	18413
## ENSG00000276136.1	18	31	34	38	38
## ENSG00000151746.15	2427	3627	2961	3603	2925
## ENSG00000277342.1	8	15	9	7	8
## ENSG00000274964.1	123	186	134	159	139
## ENSG00000276115.1	16	21	26	26	26
## ENSG00000139132.16	2235	2841	2887	2621	1909
## ENSG00000087470.21	10029	11842	11490	11641	10324
## ENSG00000276148.1	7	10	10	7	7
## ENSG00000257511.1	41	45	61	58	45
## ENSG00000139131.13	2548	3035	2758	2801	2978
## ENSG00000274105.1	10	4	2	5	6
## ENSG00000275854.1	33	71	55	39	49
## ENSG00000057294.18	16715	22819	19929	23931	19023
## ENSG00000257316.1	11	6	13	8	9
## ENSG00000110975.8	321	795	464	975	417
## ENSG00000259937.2	11	28	13	25	20
## ENSG00000273853.1	3	1	6	11	5
## ENSG00000139133.7	479	699	572	573	504
## ENSG00000256538.2	5	8	11	12	10
## ENSG00000175548.9	874	1385	1138	1210	1050
## ENSG00000139117.14	434	730	628	685	555
## ENSG00000257718.1	8	18	12	17	16
## ENSG00000139116.19	5509	8179	6937	8454	5204
## ENSG00000173208.4	4	15	19	17	13
## ENSG00000151229.13	608	848	815	845	535
## ENSG00000188906.17	21	9	24	9	14
## ENSG00000205592.16	86	188	106	189	87
## ENSG00000018236.15	340	177	427	213	306
## ENSG00000165966.16	2	5	6	8	6
## ENSG00000286591.1	11	28	12	22	30
## ENSG00000151233.11	3997	6106	5246	5740	4079
## ENSG00000015153.15	966	1411	1179	1122	1147
## ENSG00000134283.18	4265	5271	4917	5359	4615
## ENSG00000257674.1	1	8	6	1	6
## ENSG00000139168.9	2797	3432	3243	3140	3294

## ENSG00000274943.1	30	44	44	35	42
## ENSG00000257376.1	9	3	4	9	6
## ENSG00000139174.12	1133	1301	1080	1217	1067
## ENSG00000173157.18	28	51	51	47	29
## ENSG00000257907.2	0	5	1	6	13
## ENSG00000129317.15	2768	3469	3219	3355	2586
## ENSG00000198001.16	857	1091	1036	1135	972
## ENSG00000151239.14	7278	11197	8539	9275	7893
## ENSG00000139173.10	700	1160	810	1138	878
## ENSG00000184613.11	1489	1808	1643	1567	1730
## ENSG00000293316.1	60	107	94	117	63
## ENSG00000134297.9	4	6	9	10	7
## ENSG00000177119.17	8249	12090	10059	12577	8880
## ENSG00000273015.3	667	861	720	773	744
## ENSG00000289229.1	6	13	2	3	6
## ENSG00000189079.18	5100	6487	5970	6646	4924
## ENSG00000139218.18	10959	15673	13588	15409	11512
## ENSG00000289046.1	39	35	25	24	30
## ENSG00000111371.16	25122	32834	29072	31917	25640
## ENSG00000134294.14	18338	28629	22707	26533	21351
## ENSG00000257261.7	60	67	54	85	73
## ENSG00000275481.1	5	5	6	10	6
## ENSG00000272369.1	2	10	9	5	9
## ENSG00000139209.16	475	543	540	522	542
## ENSG00000139211.7	712	1086	961	1123	915
## ENSG00000179715.13	83	103	93	159	85
## ENSG00000005175.10	3361	4595	4037	4469	3744
## ENSG00000276390.1	22	23	22	19	25
## ENSG00000257433.8	29	45	23	34	49
## ENSG00000280054.1	5	19	9	7	3
## ENSG00000274902.1	6	4	4	6	8
## ENSG00000079337.16	37	38	48	44	39
## ENSG00000211584.14	1089	1184	1316	1094	1416
## ENSG00000061273.18	4152	4781	4548	4897	5324
## ENSG00000274737.1	6	5	8	6	3
## ENSG00000111424.12	29	61	25	50	46
## ENSG00000278385.1	18	34	19	24	17
## ENSG00000134291.12	5381	6556	5900	6700	7235
## ENSG00000139219.19	104460	192301	121947	194902	155441
## ENSG00000258203.5	5	5	5	5	9
## ENSG00000079387.15	2510	3150	2866	3262	2811
## ENSG00000152556.17	6969	7662	8356	7779	7812
## ENSG00000177981.11	989	1354	1186	1190	1238
## ENSG00000177875.5	39	69	78	90	52
## ENSG00000269514.3	5	5	6	2	5
## ENSG00000167528.13	1404	1727	1616	1676	1422
## ENSG00000139620.13	2077	2535	2340	2902	2485
## ENSG00000129315.12	5096	6844	6115	6829	5484
## ENSG00000257987.6	34	62	37	39	47
## ENSG00000174233.12	4812	6399	5729	7169	5966
## ENSG00000257660.5	21	16	44	32	24
## ENSG00000167535.8	2476	2304	2756	2374	2950
## ENSG00000174243.11	9539	11267	11456	11540	11615
## ENSG00000172602.11	532	435	606	531	529

## ENSG00000239617.1	4	2	7	6	2
## ENSG00000272822.2	7	7	15	17	15
## ENSG00000139537.11	294	358	338	358	329
## ENSG00000134285.11	2310	2453	2741	2830	2830
## ENSG00000134287.10	18479	23785	22012	22869	23986
## ENSG00000169884.14	46	64	64	78	65
## ENSG00000181418.8	84	63	86	82	109
## ENSG00000257913.4	37	35	28	41	42
## ENSG00000181929.13	20	21	21	25	20
## ENSG00000167548.18	6003	7210	6940	7801	6249
## ENSG00000167550.11	24	13	19	16	37
## ENSG00000139636.16	1501	2123	1772	2347	1876
## ENSG00000123416.15	57626	59892	60874	59292	76172
## ENSG00000258017.3	4	6	6	8	8
## ENSG00000167552.15	117336	115454	122271	110070	158252
## ENSG00000167553.17	27747	35420	30459	36121	35707
## ENSG00000258101.2	23	9	17	23	15
## ENSG00000258334.1	7	7	9	10	7
## ENSG00000135406.15	90	38	107	30	79
## ENSG00000135451.13	1694	1871	1943	2080	2210
## ENSG00000186897.5	14	7	16	7	26
## ENSG00000178401.16	1589	2220	1773	1963	1964
## ENSG00000123352.18	4781	5431	5523	5317	5182
## ENSG00000257954.1	1	7	4	15	4
## ENSG00000135519.8	547	235	549	232	603
## ENSG00000187778.14	5813	6467	6060	6446	7377
## ENSG00000110844.14	344	350	363	369	369
## ENSG00000135436.8	14	11	16	9	9
## ENSG00000161791.14	425	288	535	332	432
## ENSG00000139644.13	60668	88240	69385	87086	78476
## ENSG00000167566.17	2937	2982	3002	2824	3763
## ENSG00000258057.6	37	37	31	50	32
## ENSG00000186666.6	338	466	412	506	460
## ENSG00000135472.9	10	17	12	22	15
## ENSG00000167580.8	6	7	6	9	4
## ENSG00000161798.7	31	22	17	13	33
## ENSG00000161800.13	4996	5843	5947	5994	5801
## ENSG00000110881.12	2033	2178	2370	2246	2356
## ENSG00000066117.15	11775	13587	12939	13237	13815
## ENSG00000167588.13	270	145	305	142	252
## ENSG00000178449.9	913	1166	977	1191	1272
## ENSG00000272368.2	8	8	6	10	10
## ENSG00000139624.14	3279	3844	3669	3675	4014
## ENSG00000050405.14	6373	11197	7443	10789	6970
## ENSG00000257298.1	7	7	4	5	3
## ENSG00000161813.23	6934	9626	8364	8649	6974
## ENSG00000066084.13	5645	8492	6977	8073	6022
## ENSG00000123268.9	1383	2003	1606	1759	1491
## ENSG00000185432.12	1002	1633	1165	1601	1405
## ENSG00000110911.17	3096	4045	3720	3983	3555
## ENSG00000050426.16	2232	2661	2600	2649	2352
## ENSG00000110925.7	3074	4156	3722	4183	3746
## ENSG00000135457.11	4278	5179	5251	5331	4796
## ENSG00000184271.18	326	292	355	330	370

## ENSG00000278126.1	41	60	77	56	65
## ENSG00000183283.16	8922	11981	10742	11769	10896
## ENSG00000170545.17	1873	2506	2072	2337	1999
## ENSG00000139610.2	5	3	5	8	5
## ENSG00000139629.16	747	951	943	930	720
## ENSG00000050438.17	1922	2744	2618	2990	2024
## ENSG00000196876.19	514	777	724	804	496
## ENSG00000257851.2	22	30	33	39	36
## ENSG00000284730.2	2	3	6	7	0
## ENSG00000260473.2	29	30	22	24	16
## ENSG00000261308.4	1849	2150	2110	2142	2437
## ENSG00000259887.1	9	4	9	8	14
## ENSG00000167612.13	15	12	44	23	14
## ENSG00000139567.13	24	40	29	29	20
## ENSG00000135503.13	6974	9768	8433	10505	8527
## ENSG00000161835.11	119	138	145	165	147
## ENSG00000123358.20	977	1020	1046	1170	1177
## ENSG00000123395.15	1273	1499	1293	1551	1636
## ENSG00000167767.14	53	49	37	44	54
## ENSG00000135480.17	1222	874	1363	976	1085
## ENSG00000257671.1	2	4	6	8	4
## ENSG00000170442.12	2	5	1	5	6
## ENSG00000170477.13	197	64	190	48	191
## ENSG00000170421.13	297207	363143	294628	326968	447334
## ENSG00000111057.11	107384	142693	118031	117933	157798
## ENSG00000063046.18	62840	72918	71448	70201	65152
## ENSG00000257337.9	175	234	185	209	171
## ENSG00000111077.18	92	92	110	114	126
## ENSG00000167778.9	2019	2362	2389	2519	2747
## ENSG00000167779.9	1594	3446	1697	3037	2268
## ENSG00000167780.12	68	136	107	173	82
## ENSG00000258016.1	16	28	16	21	29
## ENSG00000257790.1	36	24	29	42	54
## ENSG00000139631.20	113	156	153	206	115
## ENSG00000139651.11	4802	6180	5405	6695	5283
## ENSG00000139626.16	15	13	11	16	9
## ENSG00000172819.17	524	728	605	728	679
## ENSG00000182544.9	1674	2130	1937	2213	2400
## ENSG00000135476.12	2761	3033	3265	3280	3148
## ENSG00000123349.15	41	80	97	104	53
## ENSG00000288663.1	11	18	25	20	17
## ENSG00000257605.4	19	8	3	11	3
## ENSG00000139637.14	36	34	48	44	61
## ENSG00000094914.14	4024	4691	5049	4764	5925
## ENSG00000185591.10	7934	10398	9718	10694	8738
## ENSG00000135409.11	1098	1212	1147	1246	1580
## ENSG00000205352.11	4618	5909	5578	5866	5865
## ENSG00000197111.16	21227	25519	25860	23200	27330
## ENSG00000139625.13	647	811	806	857	984
## ENSG00000270175.2	65	64	91	64	69
## ENSG00000139546.12	2522	2777	2363	2807	3207
## ENSG00000139574.9	5	4	3	5	7
## ENSG00000170653.19	1812	2578	2265	2488	2169
## ENSG00000135390.21	15377	17427	18495	17439	23285

## ENSG00000012822.16	1797	2178	1968	2222	2366
## ENSG000000286069.2	34	25	56	36	43
## ENSG000000260492.3	5	8	13	3	9
## ENSG000000197757.8	2	16	9	15	8
## ENSG000000037965.6	1	6	11	18	18
## ENSG000000198353.8	999	723	1179	776	1145
## ENSG000000172789.4	42	20	32	16	30
## ENSG000000248265.2	92	44	101	32	53
## ENSG000000291180.1	52	24	41	34	45
## ENSG000000249388.3	11	5	14	4	12
## ENSG000000250432.5	39	21	38	39	53
## ENSG000000123415.16	2273	2750	2476	2930	2959
## ENSG000000250742.6	10807	9821	11615	9451	13557
## ENSG000000260470.1	7	8	3	7	3
## ENSG000000094916.16	23759	31059	28697	28254	26419
## ENSG000000289154.2	15	27	15	26	18
## ENSG000000135486.19	181024	210446	224798	209450	220520
## ENSG000000123405.14	41	39	53	40	43
## ENSG000000111481.10	14142	17387	16002	17571	17915
## ENSG000000161642.18	1982	2492	2268	2555	3332
## ENSG000000161638.11	5164	7194	6069	6530	6489
## ENSG000000123360.12	18	11	25	9	20
## ENSG000000135447.17	4397	2434	4469	2174	4588
## ENSG000000123307.4	186	78	178	87	98
## ENSG000000179899.8	158	157	193	190	171
## ENSG000000170439.8	428	504	410	497	433
## ENSG000000135424.19	762	720	923	881	953
## ENSG000000258311.5	27	51	42	55	37
## ENSG000000135441.8	647	716	585	782	920
## ENSG000000135437.10	46	64	59	76	56
## ENSG000000135404.12	18706	27007	22816	27182	27143
## ENSG000000258056.3	306	338	364	355	421
## ENSG000000135414.10	4899	6455	5675	5706	5973
## ENSG000000205323.9	37	44	30	35	37
## ENSG000000257390.5	5	5	7	6	4
## ENSG000000257509.1	3	9	8	10	10
## ENSG000000123353.10	1211	1731	1429	1698	1704
## ENSG000000135392.19	1982	2362	2357	2370	2240
## ENSG000000293491.1	261	332	290	361	298
## ENSG000000182796.17	22	38	41	54	40
## ENSG000000123342.16	48	71	71	58	57
## ENSG000000170473.17	2719	3570	2958	3741	3779
## ENSG000000065357.20	502	684	651	669	619
## ENSG000000185664.15	184	214	187	211	196
## ENSG000000123374.11	3957	6006	4781	6208	4807
## ENSG000000111540.16	10633	14200	12498	14649	12320
## ENSG000000237493.3	13	18	22	18	25
## ENSG000000139531.13	1190	1310	1389	1461	1512
## ENSG000000123411.15	777	849	972	1014	891
## ENSG000000197728.11	8113	9807	9351	9891	12789
## ENSG000000065361.17	7474	10349	9232	10512	7871
## ENSG000000170515.14	17652	20416	18952	19693	22302
## ENSG000000229117.9	52810	62547	58913	67374	79873
## ENSG000000139641.13	20609	23033	21743	21626	24723

## ENSG00000135482.7	683	755	746	812	783
## ENSG00000258317.1	4	7	8	15	11
## ENSG00000196465.11	7535	8095	7831	7523	9939
## ENSG00000092841.19	75826	95327	79935	91015	108808
## ENSG00000139613.12	5842	6883	6789	7059	6534
## ENSG00000181852.18	5412	6919	5983	7198	6882
## ENSG00000139579.13	2525	2986	2713	3015	3392
## ENSG00000139540.12	882	1501	1005	1415	1024
## ENSG00000139645.11	10654	13200	12572	14180	12731
## ENSG00000135469.14	1156	1531	1319	1496	1516
## ENSG00000062485.19	20739	25816	24850	25031	25354
## ENSG00000144785.8	2	7	5	7	5
## ENSG00000257303.4	12	44	29	40	34
## ENSG00000257740.1	44	63	56	56	46
## ENSG00000257727.6	898	1207	1030	1110	1156
## ENSG00000135473.16	1255	1443	1492	1486	1228
## ENSG00000110944.9	71	183	141	142	80
## ENSG00000170581.15	2024	2608	2562	2732	2368
## ENSG00000276272.1	21	16	18	17	24
## ENSG00000274569.1	13	9	10	16	12
## ENSG00000111602.12	5954	6043	6819	6456	6323
## ENSG00000176422.14	673	887	717	918	916
## ENSG00000135423.13	70	106	63	113	87
## ENSG00000257576.1	49	62	68	71	104
## ENSG00000076067.14	4026	5586	4624	6101	4398
## ENSG00000076108.12	11426	13240	13666	14396	11608
## ENSG00000110955.9	83122	100320	90817	95919	106994
## ENSG00000110958.16	39637	50712	47258	41762	50218
## ENSG00000196531.14	41368	51217	48654	47674	51195
## ENSG00000285625.1	9	8	2	9	9
## ENSG00000198056.16	1716	1762	1750	1617	1793
## ENSG00000025423.11	78	73	72	62	83
## ENSG00000139547.8	10	20	29	27	14
## ENSG00000166856.3	9	7	6	7	6
## ENSG00000166860.3	2708	3477	3252	3612	3089
## ENSG00000166863.13	210	407	276	387	288
## ENSG00000166866.13	156	205	156	244	143
## ENSG00000166881.10	3434	4424	4201	4598	3849
## ENSG00000166886.13	1557	1669	1821	1884	2229
## ENSG00000166888.12	3467	4308	4033	4658	4089
## ENSG00000123384.14	20296	28615	22599	29035	26389
## ENSG00000182379.10	342	301	363	320	441
## ENSG00000182199.11	17876	20892	19787	21093	23148
## ENSG00000185633.11	18	18	26	25	20
## ENSG00000185482.8	32	25	36	32	24
## ENSG00000179912.21	1346	1584	1629	1525	1486
## ENSG00000175189.4	4	4	5	7	4
## ENSG00000139269.3	102	149	115	198	138
## ENSG00000287200.1	8	18	17	26	14
## ENSG00000111087.10	31	12	49	35	36
## ENSG00000123329.20	28	23	22	18	13
## ENSG00000166986.15	17798	19916	19687	20925	21578
## ENSG00000175197.13	466	618	526	793	608
## ENSG00000166987.15	1898	2074	2221	2108	2360

## ENSG00000175203.17	13056	15302	14190	14629	16032
## ENSG00000155980.13	327	137	353	115	288
## ENSG00000166908.18	3648	4601	4442	4613	4190
## ENSG00000178498.16	1361	1279	1499	1405	1699
## ENSG00000240771.8	178	167	239	195	217
## ENSG00000224713.4	3	3	10	7	4
## ENSG00000135454.14	51	44	58	43	58
## ENSG00000135506.17	12310	15095	13220	14507	14854
## ENSG00000135439.12	28	17	39	24	40
## ENSG00000135452.10	1742	2237	1882	2150	1958
## ENSG00000135446.17	18577	22058	18973	21104	24264
## ENSG00000139266.6	1568	1892	1633	1897	1944
## ENSG00000111012.11	29	45	29	32	27
## ENSG00000037897.17	1205	1330	1345	1379	1655
## ENSG00000123427.17	312	335	374	376	333
## ENSG00000257921.6	6	3	2	5	5
## ENSG00000123297.20	77	65	69	57	73
## ENSG00000135407.11	126	149	166	162	138
## ENSG00000270039.1	39	28	50	43	54
## ENSG00000269903.1	7	6	5	8	1
## ENSG00000175215.11	10080	11650	11878	11988	11743
## ENSG00000257953.1	4	7	6	4	6
## ENSG00000166896.9	384	389	424	327	397
## ENSG00000257698.3	197	138	167	146	219
## ENSG00000139263.12	5257	6358	5826	6950	5965
## ENSG00000257443.2	4	7	6	4	4
## ENSG00000118596.12	704	1120	927	914	644
## ENSG00000198673.11	610	1064	648	1016	879
## ENSG00000213363.4	14	11	10	26	43
## ENSG00000135655.16	3132	4084	3521	4148	3366
## ENSG00000061987.16	2138	2827	2590	2863	2111
## ENSG00000221949.6	21	25	16	17	33
## ENSG00000257354.2	120	103	139	159	119
## ENSG00000275180.2	15	27	32	35	21
## ENSG00000111110.12	4199	5392	4964	5742	4521
## ENSG00000213352.3	5	2	2	6	2
## ENSG00000139239.7	445	533	494	544	742
## ENSG00000166148.4	53	53	43	51	47
## ENSG00000177990.12	59	46	45	83	37
## ENSG00000118600.13	702	890	724	814	762
## ENSG00000255642.1	65	97	98	122	102
## ENSG00000196935.10	1567	1893	1895	1904	1501
## ENSG00000174206.13	635	790	752	770	737
## ENSG00000293269.1	13	17	10	12	9
## ENSG00000185306.13	24	37	33	47	26
## ENSG00000184575.12	12670	15272	15161	15278	13025
## ENSG00000255566.1	0	1	6	6	3
## ENSG00000183735.11	1766	2225	2174	2453	1858
## ENSG00000153179.14	1308	1352	1616	1393	1330
## ENSG00000135677.11	17051	22427	19869	20377	20027
## ENSG00000111490.15	43	39	48	31	41
## ENSG00000156076.10	60	138	79	148	88
## ENSG00000174106.3	2718	3438	3243	3282	2958
## ENSG00000174099.12	433	614	449	554	506

## ENSG00000293176.1	17	14	17	17	11
## ENSG00000149948.14	35620	57359	42159	47557	47358
## ENSG00000277945.1	2	4	5	5	6
## ENSG00000197301.7	16	20	16	11	8
## ENSG00000256083.1	4	9	5	7	4
## ENSG00000139233.7	2113	2629	2409	2404	2295
## ENSG00000155957.19	303	446	343	364	390
## ENSG00000090376.11	24	31	25	28	36
## ENSG00000225422.4	7	8	8	16	11
## ENSG00000127311.10	170	174	180	174	123
## ENSG00000155974.14	865	1038	1170	1122	990
## ENSG00000111530.13	21703	26933	25837	25496	22773
## ENSG00000286563.1	5	7	8	12	9
## ENSG00000127334.11	5351	6453	6473	6201	5603
## ENSG00000255970.1	15	9	12	3	11
## ENSG00000111554.15	423	481	476	475	423
## ENSG00000251301.8	2	4	9	5	3
## ENSG00000240087.3	71	81	96	102	137
## ENSG00000127314.18	6399	8600	7496	7743	7598
## ENSG00000234925.2	7	4	12	12	15
## ENSG00000247363.3	16	16	18	10	15
## ENSG00000111581.10	5164	5864	6248	6462	5606
## ENSG00000233560.2	6	7	8	11	5
## ENSG00000175782.11	760	1117	994	1141	989
## ENSG00000135679.27	17196	27861	20950	24435	22360
## ENSG00000135678.12	15091	15124	18581	16938	14423
## ENSG00000111605.18	8766	10845	10635	10730	9715
## ENSG00000274979.1	131	280	228	344	166
## ENSG00000090382.7	5057	5040	5902	4684	5792
## ENSG00000127337.7	1923	2690	2106	2352	2350
## ENSG00000166225.9	3035	4135	3832	3840	3158
## ENSG00000166226.13	38930	47065	41159	44748	48657
## ENSG00000127328.22	2095	2953	2544	2811	2415
## ENSG00000166268.11	5	10	5	5	11
## ENSG00000257815.9	90	97	86	77	79
## ENSG00000111596.14	6861	9517	7692	9227	7925
## ENSG00000279530.2	18	19	12	13	13
## ENSG00000135643.5	1434	1612	1710	1555	1950
## ENSG00000127329.16	41	72	51	91	58
## ENSG00000153233.13	47	26	48	41	38
## ENSG00000127324.9	200	435	289	459	223
## ENSG00000139292.13	6	8	22	5	11
## ENSG00000133858.17	2403	3294	3105	3724	2477
## ENSG00000173451.7	708	1105	907	851	805
## ENSG00000139291.14	1398	1833	1632	1645	1593
## ENSG00000080371.6	4363	5555	5255	4715	4717
## ENSG00000121749.16	2245	2813	2514	2774	2225
## ENSG00000072657.10	217	491	289	508	305
## ENSG00000236333.4	45	76	58	75	51
## ENSG00000251138.7	1	14	7	17	4
## ENSG00000253719.4	21696	30630	25717	28429	26741
## ENSG00000180881.21	141	151	194	179	156
## ENSG00000273987.1	8	8	12	11	4
## ENSG00000173401.10	6	10	4	5	4

## ENSG00000180481.11	9	13	6	11	17
## ENSG00000139278.10	239	398	335	415	326
## ENSG00000257497.2	51	71	73	60	61
## ENSG00000111615.14	5008	5273	5899	5184	4984
## ENSG00000286259.1	16	4	10	7	9
## ENSG00000258245.1	21	10	16	13	26
## ENSG00000258088.1	10	7	6	9	10
## ENSG00000139289.15	19285	13913	22340	13339	19241
## ENSG00000257839.1	45	16	47	23	42
## ENSG00000187109.15	89301	99754	102222	86066	99113
## ENSG00000179941.9	1334	1627	1530	1546	1466
## ENSG00000091039.17	8319	10573	10181	8933	8078
## ENSG00000257526.3	18	19	13	9	12
## ENSG00000243071.1	6	10	6	17	5
## ENSG00000186908.15	2142	2619	2619	2529	2109
## ENSG00000175183.10	5069	5069	5791	5161	6098
## ENSG00000257199.2	5	1	1	5	7
## ENSG00000165891.16	2162	3078	2525	3290	2608
## ENSG00000067798.16	227	156	231	160	230
## ENSG00000067715.15	59	86	69	90	75
## ENSG00000257894.2	21	27	17	32	18
## ENSG00000257956.1	5	2	2	5	9
## ENSG00000177425.11	9687	12404	11905	10184	9711
## ENSG00000058272.19	5615	7533	6868	7775	5739
## ENSG00000257557.2	23	37	42	41	26
## ENSG00000165899.12	7	7	15	14	3
## ENSG00000230291.5	63	68	61	111	132
## ENSG00000111052.8	1272	1953	1694	1904	1508
## ENSG00000111058.8	2139	3366	2884	3466	2548
## ENSG00000139220.17	12	20	10	16	10
## ENSG00000258162.4	197	289	210	277	226
## ENSG00000133773.12	1639	2218	1914	2121	2121
## ENSG00000127720.8	272	344	253	315	344
## ENSG00000179104.9	742	870	925	839	797
## ENSG00000213270.5	6	5	1	5	2
## ENSG00000257729.2	7	2	7	2	6
## ENSG00000072041.18	314	314	353	364	266
## ENSG00000133640.20	322	379	334	320	295
## ENSG00000180318.4	24	28	32	17	24
## ENSG00000258815.1	42	54	65	54	58
## ENSG00000198774.5	1805	2451	2177	2260	1874
## ENSG00000133636.11	13824	10055	15134	8717	15012
## ENSG00000182050.14	61	63	84	49	52
## ENSG00000133641.18	1440	1987	1707	1847	1713
## ENSG00000198707.17	1504	1897	1806	1899	1318
## ENSG00000139324.12	5996	8739	7187	7557	6164
## ENSG00000289384.2	36	47	37	43	31
## ENSG00000049130.16	19302	32898	24279	29753	23894
## ENSG00000281333.2	26	15	19	19	28
## ENSG00000289174.1	25	40	31	31	46
## ENSG00000246363.4	13	16	4	8	12
## ENSG00000139318.8	5680	8839	6511	8605	8356
## ENSG00000274021.1	9	9	3	11	10
## ENSG00000271327.1	20	11	24	22	23

## ENSG00000139323.14	4174	6185	4989	5525	4859
## ENSG00000259075.6	23	32	25	28	30
## ENSG00000257594.4	130	198	134	192	164
## ENSG00000270344.4	86	89	84	105	84
## ENSG00000258302.2	6	11	9	7	6
## ENSG00000070961.17	13045	18032	15446	16894	14094
## ENSG00000271614.1	52	62	58	57	73
## ENSG00000083782.8	19	15	26	18	34
## ENSG00000139329.5	406	2387	1708	3950	1648
## ENSG00000011465.18	131	1619	785	2677	1010
## ENSG00000257893.3	4	6	4	11	9
## ENSG00000257242.9	23	28	18	27	22
## ENSG00000133639.6	6395	8043	7694	7238	7872
## ENSG00000245904.6	11	21	16	5	23
## ENSG00000187510.11	6	9	4	5	3
## ENSG00000102189.17	3044	5411	3794	4830	3228
## ENSG00000257195.1	13	24	25	34	43
## ENSG00000257345.2	125	164	146	213	144
## ENSG00000256393.1	153	176	172	179	238
## ENSG00000293091.1	7	22	15	19	18
## ENSG00000257252.7	35	60	39	63	47
## ENSG00000173598.14	11563	22546	14629	21404	14403
## ENSG00000177889.10	11188	14603	12574	14274	13870
## ENSG00000198015.14	7966	10365	9416	9634	9056
## ENSG00000246985.8	460	293	466	314	437
## ENSG00000120833.14	4429	3855	4826	3694	4413
## ENSG00000186076.5	98	127	107	124	122
## ENSG00000169372.13	379	504	449	534	526
## ENSG00000136040.9	570	290	630	303	457
## ENSG00000258365.1	4	5	10	9	10
## ENSG00000173588.16	1071	1094	1209	1087	974
## ENSG00000213250.5	34	35	31	37	33
## ENSG00000278916.1	26	25	27	25	27
## ENSG00000258357.1	9	13	10	11	11
## ENSG00000236349.1	7	9	15	29	10
## ENSG00000057704.13	1029	1146	1194	1120	1010
## ENSG00000184752.14	2286	2846	2882	3015	3381
## ENSG00000120798.17	1655	2466	2019	2273	1848
## ENSG00000180263.14	2875	4282	3468	4160	2745
## ENSG00000028203.19	5945	7427	6812	7644	6400
## ENSG00000289437.1	2	8	2	5	4
## ENSG00000265917.1	15	13	11	18	8
## ENSG00000241556.1	90	119	113	151	175
## ENSG00000111142.14	13049	15654	14920	15202	14739
## ENSG00000136014.12	375	222	389	199	342
## ENSG00000293270.1	7	1	2	6	6
## ENSG00000074527.13	3465	3892	4100	3724	3591
## ENSG00000139343.11	5437	6778	6915	7154	7525
## ENSG00000165972.13	10	15	6	9	6
## ENSG00000139344.8	16	18	16	20	19
## ENSG00000084110.11	9	13	7	6	4
## ENSG00000111144.10	11360	13852	13432	13412	13119
## ENSG00000111145.8	603	1110	738	989	765
## ENSG00000059758.8	1844	2651	2530	2195	2267

## ENSG00000188596.11	42	44	74	68	55
## ENSG00000139350.12	2715	3489	3294	3252	2846
## ENSG00000258131.1	2	3	7	5	1
## ENSG00000255794.11	6	6	12	12	14
## ENSG00000206899.1	0	7	3	5	6
## ENSG00000293147.1	13	9	10	12	7
## ENSG00000245017.4	15	21	10	13	19
## ENSG00000257167.3	250	237	248	186	290
## ENSG00000120802.14	17001	20083	20635	16732	17588
## ENSG00000075415.15	52560	67263	61660	62822	66836
## ENSG00000212443.1	3	6	9	13	6
## ENSG00000166130.15	2253	3915	2552	3325	3347
## ENSG00000120868.14	2334	2924	2859	3112	2525
## ENSG00000185046.21	334	228	379	189	261
## ENSG00000214203.4	16	16	14	17	20
## ENSG00000279148.1	47	51	37	41	42
## ENSG00000111647.13	3311	4350	3856	4416	3340
## ENSG00000280088.1	294	394	348	382	408
## ENSG00000257696.1	8	10	5	12	8
## ENSG00000290571.1	186	228	252	307	228
## ENSG00000290576.1	16	20	31	33	17
## ENSG00000075089.10	2140	2684	2512	2489	2342
## ENSG00000166153.17	106	138	159	152	98
## ENSG00000136021.19	6814	9543	8350	8545	7117
## ENSG00000179520.11	201	139	252	109	189
## ENSG00000012504.15	3	17	6	10	8
## ENSG00000139354.11	2661	2766	3116	2469	2616
## ENSG00000151572.18	227	203	225	235	214
## ENSG00000258033.1	5	2	2	4	6
## ENSG00000256870.3	28	74	36	72	53
## ENSG00000120800.5	5466	6724	6147	6909	4979
## ENSG00000120805.14	4925	7003	6236	6597	5593
## ENSG00000257543.1	7	9	7	3	6
## ENSG00000196091.15	17	57	12	53	17
## ENSG00000111666.11	2254	3106	2392	2872	2620
## ENSG00000139351.15	4	7	6	8	2
## ENSG00000111670.16	3987	5925	4636	5593	4359
## ENSG00000258153.1	6	15	9	14	23
## ENSG00000136048.14	3551	8217	4193	7827	5939
## ENSG00000120860.11	473	581	529	565	575
## ENSG00000257222.1	4	12	2	7	3
## ENSG00000075188.9	2241	2798	2512	2856	2520
## ENSG00000185480.12	1542	2046	1729	1919	1698
## ENSG00000281344.1	59	108	103	80	68
## ENSG00000171759.10	171	692	294	630	175
## ENSG00000139352.4	95	66	102	74	67
## ENSG00000136011.15	4	9	5	13	5
## ENSG00000257681.1	9	13	12	25	10
## ENSG00000111696.12	711	1088	992	1255	781
## ENSG00000293399.2	30	30	23	31	28
## ENSG00000166598.16	151786	223296	180450	229281	182890
## ENSG00000204954.10	766	938	821	923	968
## ENSG00000139372.15	6500	8311	7305	8217	7356
## ENSG00000120820.13	49	57	62	57	64

## ENSG00000216285.5	27	32	24	38	43
## ENSG00000111727.12	222	285	293	280	225
## ENSG00000120837.8	3764	4981	4465	4589	3918
## ENSG00000198431.18	17006	18796	21338	19750	17835
## ENSG00000213442.5	630	781	633	862	1124
## ENSG00000255150.2	43	36	39	38	42
## ENSG00000171310.11	1417	1469	1698	1632	1750
## ENSG00000136052.10	524	615	578	540	525
## ENSG00000257758.1	3	14	13	12	14
## ENSG00000151131.11	1691	2143	2016	2245	2149
## ENSG00000136010.14	787	1001	1136	1219	771
## ENSG00000136051.15	4010	5303	5037	5055	3731
## ENSG00000136044.12	6704	7424	7549	7463	7091
## ENSG00000235162.9	15796	17990	18102	16414	17898
## ENSG00000257859.2	5	7	6	5	11
## ENSG00000257773.1	11	6	20	16	14
## ENSG00000074590.14	2712	2774	2941	2705	2453
## ENSG00000136026.14	20630	27327	23002	25911	26128
## ENSG00000277715.1	7	9	14	18	16
## ENSG00000166046.11	264	349	349	358	242
## ENSG00000013503.10	1626	1917	1688	1978	1722
## ENSG00000111783.13	4	5	3	8	5
## ENSG00000257711.2	11	11	8	16	8
## ENSG00000257918.1	5	5	3	4	6
## ENSG00000111785.21	1624	2159	1785	2125	1732
## ENSG00000287957.1	14	13	19	16	19
## ENSG00000260329.2	21	18	20	21	32
## ENSG00000151135.10	2042	3183	2822	2765	2425
## ENSG00000120832.11	362	481	419	436	389
## ENSG00000008405.12	2619	3143	2854	2942	2815
## ENSG00000151136.15	328	270	305	276	405
## ENSG00000136045.12	4170	4806	4867	4740	4750
## ENSG00000110851.12	6425	8445	7557	8437	7586
## ENSG00000258136.2	24	32	15	29	22
## ENSG00000258072.2	61	26	42	24	31
## ENSG00000075035.10	101	31	105	24	82
## ENSG00000174600.14	27	20	40	22	31
## ENSG00000198855.7	238	236	245	261	301
## ENSG00000075856.12	6049	6699	6948	7020	6664
## ENSG00000287202.1	6	20	19	21	13
## ENSG00000136003.16	3360	4925	3812	5147	4998
## ENSG00000183160.9	3	5	8	7	9
## ENSG00000110876.10	18	27	21	23	15
## ENSG00000110880.11	15482	20613	18125	19796	18281
## ENSG00000084112.15	3675	4696	4306	5029	3959
## ENSG00000166111.10	324	155	339	131	319
## ENSG00000135093.13	884	1086	1057	1171	1069
## ENSG00000189046.11	1328	1537	1465	1512	1765
## ENSG00000076248.12	5659	6166	6613	5790	6891
## ENSG00000256139.2	9	6	15	3	7
## ENSG00000076555.16	382	309	460	390	335
## ENSG00000174527.11	6	1	10	5	6
## ENSG00000110906.13	5291	6829	5960	6542	6304
## ENSG00000151148.14	2829	3362	3360	3648	2969

## ENSG00000139428.12	2074	2254	2107	2143	2322
## ENSG00000110921.14	1314	1263	1374	1260	1507
## ENSG00000139438.6	446	288	426	290	479
## ENSG00000255650.6	4	7	6	2	6
## ENSG00000111199.12	307	397	365	414	365
## ENSG00000139433.11	1603	2220	1882	2076	2145
## ENSG00000139437.18	1037	1133	1133	1090	1131
## ENSG00000139436.22	1052	1384	1196	1302	1084
## ENSG00000280426.1	26	15	24	11	15
## ENSG00000076513.17	2334	2516	2681	2669	2344
## ENSG00000174456.16	976	1257	1066	1227	1267
## ENSG00000122970.16	2590	3118	2948	2906	2576
## ENSG00000289311.2	7	18	21	22	15
## ENSG00000174437.18	33193	42523	38739	42424	38871
## ENSG00000196510.14	4051	4683	4318	4530	4756
## ENSG00000258011.2	18	24	21	26	47
## ENSG00000111229.16	11828	14604	12395	13381	12910
## ENSG00000111231.9	1977	2412	2175	2348	2367
## ENSG00000241680.1	14	13	8	27	26
## ENSG00000204856.12	654	759	723	774	865
## ENSG00000111237.19	3866	5250	4187	4664	4425
## ENSG00000278993.1	17	24	13	19	7
## ENSG00000151164.19	7	14	13	31	8
## ENSG00000196850.6	2414	3198	2990	3019	2612
## ENSG00000204852.17	2535	3070	2862	2898	3257
## ENSG00000122986.14	153	153	167	140	209
## ENSG00000186298.12	21668	26350	24962	24052	23891
## ENSG00000185847.9	25	11	23	18	24
## ENSG00000111249.14	2035	1386	2238	1419	2012
## ENSG00000198324.14	2384	2713	2538	2629	3089
## ENSG00000111252.11	999	1233	1176	1381	1114
## ENSG00000204842.18	2777	3471	3507	3830	3516
## ENSG00000258099.1	6	6	5	10	6
## ENSG00000089234.16	2738	3139	3246	3211	3033
## ENSG00000258359.1	12	8	15	17	19
## ENSG00000111271.15	1546	2030	1755	1994	1844
## ENSG00000111275.13	4160	4894	4677	4629	5177
## ENSG00000234608.9	1013	1201	1281	1307	1252
## ENSG00000089022.15	4021	4770	4556	5051	4454
## ENSG00000226469.1	14	11	12	22	13
## ENSG00000198270.13	557	682	622	644	661
## ENSG00000089248.7	15747	20666	18015	20177	21069
## ENSG00000274227.1	3	11	6	5	5
## ENSG00000111300.10	3993	5173	4873	4964	3981
## ENSG00000135148.12	4563	4966	4805	5208	5177
## ENSG00000173064.14	3621	4282	4305	4813	3665
## ENSG00000213152.5	5	5	1	10	6
## ENSG00000089009.16	103209	117406	116481	123123	131118
## ENSG00000179295.19	15696	21471	19819	21410	16093
## ENSG00000089127.15	18	29	10	29	11
## ENSG00000111331.14	248	424	287	372	202
## ENSG00000135144.8	21	11	36	23	31
## ENSG00000111344.12	46	59	52	57	60
## ENSG00000123064.13	6087	6433	6475	6523	7765

## ENSG00000139405.16	1511	1576	1525	1597	1952
## ENSG00000166578.10	169	187	206	165	192
## ENSG00000186815.13	2759	3720	3397	3907	3283
## ENSG00000277566.1	12	10	13	3	12
## ENSG00000089060.12	1201	1163	1353	1178	1233
## ENSG00000151176.8	9083	11455	11476	12681	12045
## ENSG00000135094.11	11	9	16	6	12
## ENSG00000139410.15	680	768	660	762	935
## ENSG00000249550.8	6	12	19	5	9
## ENSG00000122965.11	3211	3644	3345	3407	3786
## ENSG00000135111.16	2445	4491	3159	4628	2993
## ENSG00000257817.2	5	10	4	5	3
## ENSG00000123066.9	7526	9868	9162	9826	7346
## ENSG00000196668.4	4	4	5	7	7
## ENSG00000258102.5	32	45	37	39	40
## ENSG00000111412.6	8060	10421	8955	9890	9004
## ENSG00000135119.15	574	514	611	572	793
## ENSG00000239374.1	3	2	4	8	7
## ENSG00000290033.1	82	68	55	72	88
## ENSG00000135116.9	1197	1721	1418	1721	1340
## ENSG00000174989.13	2503	3080	2851	3064	2944
## ENSG00000274554.1	11	7	8	4	8
## ENSG00000257279.1	6	6	2	8	6
## ENSG00000088992.18	115	113	143	83	208
## ENSG00000135108.16	6133	7534	7430	7767	7001
## ENSG00000089250.20	21	44	33	20	23
## ENSG00000171435.15	80	111	118	120	99
## ENSG00000111445.14	2473	2636	2684	2566	2725
## ENSG00000277873.1	2	8	4	8	6
## ENSG00000176871.9	4917	5686	5636	5438	6063
## ENSG00000176834.14	1058	1234	1233	1198	1123
## ENSG00000089220.5	27790	32756	31007	32991	35694
## ENSG00000135090.14	773	920	889	958	793
## ENSG00000240342.3	26139	29220	27780	27670	35315
## ENSG00000111707.12	6162	7669	7337	7589	6383
## ENSG00000275759.1	3	12	8	11	7
## ENSG00000255618.2	16	2	8	6	10
## ENSG00000139767.10	279	147	310	142	212
## ENSG00000152137.8	2051	2139	2285	2113	2463
## ENSG00000213144.2	27	31	28	33	29
## ENSG00000183273.7	576	900	577	833	853
## ENSG00000248636.7	9	5	8	7	10
## ENSG00000224982.4	27	15	29	10	22
## ENSG00000111725.11	3362	4342	3672	4522	4351
## ENSG00000122966.18	2325	2614	3014	2793	2494
## ENSG00000135127.12	272	233	325	271	293
## ENSG00000111737.12	3136	3699	3521	3826	3373
## ENSG00000277283.2	60	61	74	82	73
## ENSG00000089154.11	15455	17136	17375	18202	16335
## ENSG00000089157.16	263952	319705	282461	320710	387422
## ENSG00000255857.8	161	207	159	185	207
## ENSG00000089159.17	3310	4348	3799	4288	4225
## ENSG00000286067.1	24	63	49	62	31
## ENSG00000123009.4	23	25	21	22	32

## ENSG00000089163.4	63	83	97	80	87
## ENSG00000170890.14	13	5	4	15	13
## ENSG00000135097.7	3301	3194	4017	3361	4177
## ENSG00000111775.3	5053	6687	5495	6988	7172
## ENSG00000170855.4	4857	7177	5513	7241	6908
## ENSG00000257218.6	3382	4147	3392	3708	3746
## ENSG00000111786.10	6791	8357	8321	8527	8990
## ENSG00000088986.11	14063	17768	16323	17805	20804
## ENSG00000248008.5	1114	1354	1106	1249	1302
## ENSG00000278344.1	10	22	9	29	18
## ENSG00000110871.15	2528	3213	2947	3051	3026
## ENSG00000022840.17	13093	14791	15225	15185	15629
## ENSG00000289401.1	4	7	6	11	13
## ENSG00000167272.11	1218	1467	1346	1494	1707
## ENSG00000256008.3	10	13	21	12	21
## ENSG00000157782.10	15	22	20	10	20
## ENSG00000110917.8	32048	41227	37147	40341	35408
## ENSG00000277423.1	14	18	14	21	15
## ENSG00000276188.1	5	3	6	1	9
## ENSG00000175970.11	10465	12852	12165	13110	11847
## ENSG00000122971.9	968	996	987	974	1256
## ENSG00000255946.3	7	5	12	8	11
## ENSG00000157837.16	4394	5161	5016	5157	5553
## ENSG00000231313.2	13	12	10	22	30
## ENSG00000241388.6	236	334	300	357	272
## ENSG00000135100.19	690	775	750	860	885
## ENSG00000157895.11	1719	1908	1909	1926	2232
## ENSG00000135124.16	1004	1404	1130	1570	1231
## ENSG00000110931.19	4816	5541	5460	5986	5409
## ENSG00000089053.13	8305	9246	9100	9331	10255
## ENSG00000170633.17	3388	4451	3979	4381	4308
## ENSG00000089094.20	4682	5011	5313	4986	5205
## ENSG00000256742.1	59	55	53	60	50
## ENSG00000276045.4	1438	1564	1621	1619	1919
## ENSG00000139714.12	65	80	78	85	98
## ENSG00000188735.13	1109	1213	1204	1404	1337
## ENSG00000139725.8	252	231	285	317	378
## ENSG00000212694.8	99	89	116	129	120
## ENSG00000272849.1	16	30	28	28	20
## ENSG00000139718.12	1738	1875	1956	1870	1957
## ENSG00000158104.11	79	81	85	89	107
## ENSG00000110801.14	552	593	527	657	718
## ENSG00000158023.10	386	477	417	444	451
## ENSG00000110987.9	4452	5465	5108	5866	5711
## ENSG00000256546.4	13	17	31	10	11
## ENSG00000175727.15	4591	5094	5567	5191	5130
## ENSG00000158113.13	75	60	102	60	100
## ENSG00000176383.9	60	42	59	34	48
## ENSG00000184047.21	116	110	141	102	153
## ENSG00000139719.11	1916	2469	2159	2347	2274
## ENSG00000130779.22	8151	10233	10356	11199	7975
## ENSG00000257097.1	6	5	6	11	5
## ENSG00000289831.1	4	1	10	7	4
## ENSG00000033030.16	2450	3005	2890	3286	2673

## ENSG00000111011.18	4875	6348	6135	6435	5766
## ENSG00000184445.12	2698	3108	3226	3107	2592
## ENSG00000182782.8	27	23	30	24	23
## ENSG00000196917.6	84	151	86	123	76
## ENSG00000139726.11	9183	12295	10295	10831	10506
## ENSG00000130783.14	27	36	42	57	14
## ENSG00000130787.14	1959	2233	2262	2341	2432
## ENSG00000139722.7	2864	3483	3036	3428	3567
## ENSG00000280138.1	32	50	50	58	35
## ENSG00000150967.19	325	352	296	331	380
## ENSG00000111325.16	33	43	34	65	36
## ENSG00000182196.14	18	30	19	24	20
## ENSG00000090975.14	483	615	659	721	680
## ENSG00000051825.15	1216	1281	1433	1321	1236
## ENSG00000280120.1	69	86	83	94	87
## ENSG00000130921.9	1291	1482	1510	1470	1602
## ENSG00000111328.7	11384	14346	12298	13220	14662
## ENSG00000139697.14	7905	9913	9756	10224	7770
## ENSG00000256092.4	61	91	92	92	89
## ENSG00000183955.14	1774	2136	2119	2312	2115
## ENSG00000150977.11	548	657	603	653	750
## ENSG00000184209.15	815	985	925	991	1127
## ENSG00000188026.13	729	782	883	809	958
## ENSG00000274427.1	5	1	5	7	7
## ENSG00000278112.1	6	20	18	26	14
## ENSG00000247373.3	36	30	37	28	26
## ENSG00000086598.11	23834	33464	27340	31031	28164
## ENSG00000111364.16	1267	1554	1604	1602	1470
## ENSG00000111361.13	2864	3374	3125	3383	3354
## ENSG00000111358.14	2536	3241	3016	3511	2661
## ENSG00000279953.1	15	10	13	10	8
## ENSG00000278861.1	10	7	5	14	6
## ENSG00000168778.13	2082	2186	2320	2145	2443
## ENSG00000185344.15	2599	3570	3080	3695	3051
## ENSG00000197653.16	129	172	149	190	127
## ENSG00000119242.9	1892	2199	2076	2196	2533
## ENSG00000250091.3	244	318	335	389	320
## ENSG00000269997.1	6	10	12	21	7
## ENSG00000269938.1	13	12	9	15	7
## ENSG00000270061.1	6	5	6	8	5
## ENSG00000179195.16	23439	29385	26989	28004	24247
## ENSG00000178882.15	4214	5405	4318	5711	5774
## ENSG00000275389.1	8	8	9	8	12
## ENSG00000256596.1	8	8	12	12	4
## ENSG00000196498.15	8726	8596	9736	8803	10727
## ENSG00000073060.17	3459	4893	4392	5123	4697
## ENSG00000287242.1	12	5	8	5	8
## ENSG00000150991.16	69009	78556	77525	78248	83419
## ENSG00000150990.9	3488	3284	3385	3409	3863
## ENSG00000184992.13	4480	5913	5279	5720	5407
## ENSG00000081760.17	5764	6561	6531	6698	6821
## ENSG00000279233.1	51	56	68	59	44
## ENSG00000139364.11	128	106	180	151	127
## ENSG00000249267.8	6	14	15	14	10

## ENSG00000256001.3	7	9	6	13	10
## ENSG00000286791.1	6	7	8	4	2
## ENSG00000278266.1	23	24	29	30	35
## ENSG00000181234.10	16	15	15	32	18
## ENSG00000139370.12	1940	2661	2448	2670	2512
## ENSG00000279500.1	14	34	25	27	10
## ENSG00000274695.1	9	7	1	5	12
## ENSG00000151948.12	1298	1198	1356	1169	1615
## ENSG00000151952.16	1023	837	1288	1056	1196
## ENSG00000251536.2	0	6	3	6	8
## ENSG00000214039.9	6	2	12	4	7
## ENSG00000250208.7	7	7	11	20	15
## ENSG00000111432.5	6	8	7	12	10
## ENSG00000125207.7	5	18	11	11	5
## ENSG00000060709.17	589	345	753	411	487
## ENSG00000279146.1	7	2	5	5	5
## ENSG00000111450.15	1928	2045	2409	2069	2107
## ENSG00000132341.12	46967	56649	52477	57905	60620
## ENSG00000111452.13	116	128	202	194	146
## ENSG00000061936.10	2187	2374	2580	2743	2445
## ENSG00000198598.7	38	11	43	22	49
## ENSG00000177169.10	4406	4787	4947	5318	5708
## ENSG00000279283.1	5	3	9	15	4
## ENSG00000255992.1	4	5	9	4	7
## ENSG00000177192.14	1531	1663	1666	1840	2091
## ENSG00000273568.1	8	15	16	10	8
## ENSG00000183495.15	4474	5138	5121	5246	4636
## ENSG00000291171.1	705	819	797	827	771
## ENSG00000279640.1	5	7	4	4	5
## ENSG00000185163.10	2423	2552	2716	2650	3054
## ENSG00000184967.7	2438	2300	2404	2335	3346
## ENSG00000256576.3	41	36	43	35	36
## ENSG00000256312.1	3	10	1	9	5
## ENSG00000182870.13	21	19	11	26	11
## ENSG00000274373.1	8	8	15	17	21
## ENSG00000112787.14	3786	3691	3904	3938	4910
## ENSG00000280287.1	55	75	83	107	82
## ENSG00000279700.1	8	9	15	8	6
## ENSG00000187848.15	60	17	63	32	60
## ENSG00000280311.1	6	2	3	6	3
## ENSG00000177084.19	5469	5689	6085	6030	6141
## ENSG00000176894.10	287	293	307	270	454
## ENSG00000247077.8	6097	6831	6902	7224	8045
## ENSG00000176915.15	4453	5329	4945	5280	5192
## ENSG00000090615.16	2814	3481	3503	3750	2819
## ENSG00000072609.18	2053	2291	2199	2408	2334
## ENSG00000236617.2	9	3	9	7	15
## ENSG00000250790.4	17	17	17	17	19
## ENSG00000196458.11	2144	2894	2464	2929	2123
## ENSG00000289516.1	10	4	19	15	13
## ENSG00000198393.8	694	858	818	887	723
## ENSG00000198040.11	3434	4564	4388	4490	3559
## ENSG00000196387.10	395	548	455	525	442
## ENSG00000214029.6	600	770	712	785	596

## ENSG00000256223.6	806	964	915	767	802
## ENSG00000090612.22	2864	3665	3312	3298	2951
## ENSG00000279081.2	9	6	6	8	18
## ENSG00000280208.1	2	13	4	10	10
## ENSG00000226361.5	6	3	3	4	5
## ENSG00000227879.2	17	21	11	10	20
## ENSG00000215349.2	9	11	5	14	14
## ENSG00000196199.14	3062	3466	3635	3488	3157
## ENSG00000226352.2	2	12	18	14	4
## ENSG00000121390.19	4208	4976	4838	5413	4922
## ENSG00000233469.1	6	3	7	8	2
## ENSG00000132950.19	627	742	756	880	611
## ENSG00000275964.2	159	139	140	147	170
## ENSG00000289235.1	10	17	5	11	6
## ENSG00000121741.17	11169	14006	13255	14359	11238
## ENSG00000279951.1	8	10	3	4	5
## ENSG00000121743.4	26	53	33	74	42
## ENSG00000165474.8	66	110	91	113	92
## ENSG00000165475.15	239	329	330	366	395
## ENSG00000032742.18	1154	1376	1237	1304	1235
## ENSG00000238286.1	10	8	8	5	10
## ENSG00000278291.1	104	158	172	154	174
## ENSG00000172458.5	220	283	225	261	269
## ENSG00000279135.1	7	11	8	13	8
## ENSG00000150456.11	474	637	542	620	688
## ENSG00000132953.18	3609	4719	4524	4776	3770
## ENSG00000213621.3	145	143	99	120	166
## ENSG00000150457.9	3503	5239	4028	4762	4189
## ENSG00000150459.13	8890	10998	9667	10991	11727
## ENSG00000165480.16	1806	2019	2065	1899	2039
## ENSG00000173141.5	2173	2740	2520	2727	3169
## ENSG00000290911.1	12	13	17	15	16
## ENSG00000291046.1	186	300	228	269	176
## ENSG00000224429.10	31	39	36	60	41
## ENSG00000180776.17	12402	19583	15060	16302	13300
## ENSG00000289814.1	17	9	17	18	11
## ENSG00000236953.1	7	5	14	13	9
## ENSG00000165487.14	3146	4070	3800	3998	3505
## ENSG00000226525.5	70	68	66	113	129
## ENSG00000289860.1	36	25	36	22	41
## ENSG00000102678.7	717	401	852	454	727
## ENSG00000276476.4	657	662	677	708	610
## ENSG00000232187.1	17	22	38	12	24
## ENSG00000262619.4	16	27	21	9	16
## ENSG00000262198.2	54	42	52	57	56
## ENSG00000234685.1	11	5	6	6	12
## ENSG00000102683.8	5	5	7	11	3
## ENSG00000151835.17	3657	3971	4251	3884	3085
## ENSG00000232977.7	68	53	72	61	60
## ENSG00000289688.1	3	6	2	9	5
## ENSG00000127863.16	6553	7936	7758	8774	6940
## ENSG00000027001.10	2948	3205	3151	3248	3050
## ENSG00000205861.13	13	12	20	17	14
## ENSG00000273167.1	2	9	8	12	9

## ENSG00000182957.16	1413	1771	1786	1902	1462
## ENSG00000228741.2	51	73	45	66	45
## ENSG00000225674.1	18	26	18	34	22
## ENSG00000102699.6	5480	7878	6546	8115	6124
## ENSG00000075673.12	108	175	370	598	264
## ENSG00000151849.16	1498	1679	1679	1731	1447
## ENSG00000291041.1	18	33	17	27	16
## ENSG00000232858.1	8	3	6	16	13
## ENSG00000165566.13	18	19	19	13	11
## ENSG00000139505.13	3548	4818	4176	4494	4055
## ENSG00000139496.18	5546	7533	7048	7500	5858
## ENSG00000132932.19	541	967	813	1085	707
## ENSG00000289125.1	6	15	13	19	18
## ENSG00000180730.5	874	1068	1152	1003	1424
## ENSG00000127870.17	2459	3463	3051	3373	2613
## ENSG00000277368.2	8	7	10	4	13
## ENSG00000132964.13	3269	3767	3958	3714	3599
## ENSG00000132970.14	3994	4946	4639	4716	4190
## ENSG00000234031.1	32	40	47	52	49
## ENSG00000152484.14	3708	4732	4696	4385	3690
## ENSG00000275294.4	0	7	2	5	6
## ENSG00000122026.11	54004	65979	60687	64517	71120
## ENSG00000122035.7	622	760	696	756	824
## ENSG00000122034.17	8878	10044	9207	9213	10413
## ENSG00000122033.15	1370	1835	1575	1677	1586
## ENSG00000289827.1	27	30	16	28	27
## ENSG00000139517.9	5706	7387	6643	6856	5910
## ENSG00000186184.20	9269	11824	10402	11239	11214
## ENSG00000247381.3	59	85	84	76	78
## ENSG00000139515.6	10195	10333	12255	11422	12912
## ENSG00000180389.7	27	22	23	41	44
## ENSG00000260704.1	254	321	291	297	360
## ENSG00000165556.10	10921	16560	13134	16722	15350
## ENSG00000183463.7	90	289	137	330	231
## ENSG00000122025.15	12	15	11	14	9
## ENSG00000261485.1	35	45	49	40	48
## ENSG00000152520.14	2856	3861	3476	3788	3032
## ENSG00000232587.1	12	11	11	12	19
## ENSG00000102755.13	311	353	531	464	385
## ENSG00000235472.1	9	6	7	13	10
## ENSG00000132963.9	7859	10244	8607	9185	9704
## ENSG00000139508.15	216	235	266	229	264
## ENSG00000233588.1	25	22	15	26	26
## ENSG00000132938.22	877	643	948	654	763
## ENSG00000139514.13	9736	11167	11156	11659	11219
## ENSG00000122042.10	6158	8485	7576	6860	6304
## ENSG00000224511.2	4	21	11	14	12
## ENSG00000232117.2	5	1	7	3	1
## ENSG00000102781.14	1417	1495	1680	1315	1289
## ENSG00000189403.15	37124	46118	44430	43487	43841
## ENSG00000132952.12	1667	2106	2028	2365	1908
## ENSG00000132965.10	5	8	11	2	7
## ENSG00000175664.10	7	1	9	4	8
## ENSG00000120694.20	16677	20154	19453	19413	18540

## ENSG00000187676.8	928	1174	1074	1276	1052
## ENSG00000073910.23	327	289	418	343	270
## ENSG00000139618.18	1239	1475	1459	1442	1052
## ENSG00000139597.18	250	276	348	265	272
## ENSG00000244754.9	3501	4186	4105	4287	3580
## ENSG00000281026.1	24	37	41	41	29
## ENSG00000083642.19	3616	4590	4685	4747	3787
## ENSG00000277151.1	17	17	8	9	11
## ENSG00000133116.8	27	16	57	8	22
## ENSG00000133121.21	353	473	517	572	423
## ENSG00000236581.9	5	12	13	17	12
## ENSG00000230490.4	5	15	7	6	5
## ENSG00000288767.2	17	37	33	50	45
## ENSG00000133119.13	3046	3694	3485	3364	3333
## ENSG00000276672.1	73	93	107	98	73
## ENSG00000225179.2	4	2	14	6	5
## ENSG00000172915.20	1430	1266	2103	1376	1386
## ENSG00000133083.15	564	748	657	655	764
## ENSG00000120669.16	214	235	252	215	233
## ENSG00000250709.1	87	106	67	94	67
## ENSG00000242715.8	350	538	460	541	409
## ENSG00000133104.14	11150	20183	14277	19778	14273
## ENSG00000120664.11	63	196	95	215	108
## ENSG00000133101.10	152	395	183	424	334
## ENSG00000180440.4	146	131	155	148	189
## ENSG00000133111.4	537	660	631	628	661
## ENSG00000120693.15	698	836	1093	868	810
## ENSG00000226161.1	9	27	14	15	29
## ENSG00000120697.10	2430	3151	2528	3044	2752
## ENSG00000120699.14	3021	3582	3527	3739	3766
## ENSG00000102710.21	3338	4434	3992	4900	3714
## ENSG00000133110.15	228	1238	380	1869	835
## ENSG00000133107.15	406	742	500	730	544
## ENSG00000287477.1	24	28	32	50	43
## ENSG00000274317.2	7	24	14	23	10
## ENSG00000223685.8	41	46	50	60	52
## ENSG00000120686.12	4493	6914	5499	6811	5401
## ENSG00000150893.11	5858	7872	7416	8153	5899
## ENSG00000235550.1	12	10	13	10	7
## ENSG00000133115.12	5	17	4	10	4
## ENSG00000120685.20	6141	8222	7927	8934	7334
## ENSG00000188811.14	1075	1412	1320	1427	1192
## ENSG00000183722.9	58	125	105	109	96
## ENSG00000133103.17	1701	2329	2209	2477	1798
## ENSG00000215483.12	34	21	21	24	21
## ENSG00000150907.10	1168	1499	1357	1278	1207
## ENSG00000102738.8	1469	1798	1555	1608	1627
## ENSG00000102743.16	3699	4882	4291	4828	4479
## ENSG00000290476.1	4	7	5	6	5
## ENSG00000176268.5	5	9	10	7	3
## ENSG00000287837.1	78	105	77	109	89
## ENSG00000290464.1	5	10	11	17	11
## ENSG00000120690.16	4451	6856	5505	6694	4836
## ENSG00000229473.2	4	5	7	12	3

## ENSG00000120688.9	1419	1648	1775	1856	1525
## ENSG00000165572.8	2353	2892	2850	2507	2601
## ENSG00000278390.7	58	56	49	64	58
## ENSG00000215482.3	16	23	22	28	38
## ENSG00000120696.9	1727	2125	1962	1846	1943
## ENSG00000120662.16	435	531	506	528	465
## ENSG00000277662.1	16	37	23	24	18
## ENSG00000172766.19	1317	1512	1675	1731	1438
## ENSG00000214222.2	58	58	58	45	65
## ENSG00000102760.13	18	19	17	18	21
## ENSG00000288598.2	7	8	2	10	8
## ENSG00000102763.18	2748	3484	3130	3317	2803
## ENSG00000278338.4	10	10	5	8	9
## ENSG00000102780.17	679	924	811	896	604
## ENSG00000231530.1	8	6	12	9	4
## ENSG00000237263.1	5	12	12	21	9
## ENSG00000023516.9	5101	7111	6365	6733	4609
## ENSG00000133106.15	1067	1047	1222	1136	960
## ENSG00000120675.6	4887	6499	5346	5940	5285
## ENSG00000120658.14	400	583	445	474	493
## ENSG00000287029.1	8	7	8	6	12
## ENSG00000151773.13	393	498	496	420	397
## ENSG00000179630.11	525	874	724	754	621
## ENSG00000179611.3	23	21	25	20	31
## ENSG00000227258.7	27	23	17	14	10
## ENSG00000151778.11	164	121	152	159	171
## ENSG00000237361.5	25	31	36	38	46
## ENSG00000102804.16	10014	10832	12059	11713	11441
## ENSG00000278156.2	14	19	20	17	23
## ENSG00000230793.1	9	5	6	5	10
## ENSG00000083635.8	2121	2330	2299	2325	2187
## ENSG00000133114.18	2550	3367	3064	3030	2729
## ENSG00000188342.13	3201	3817	3884	3838	3469
## ENSG00000133112.17	147793	199861	160723	176252	193389
## ENSG00000170919.16	478	608	600	597	595
## ENSG00000214455.4	3	5	4	7	2
## ENSG00000174032.17	1320	1645	1795	1683	1632
## ENSG00000136152.15	1741	2149	2077	2482	1745
## ENSG00000165837.12	6	3	9	6	3
## ENSG00000215475.5	85	65	87	79	93
## ENSG00000123200.17	10778	13508	13326	13051	11559
## ENSG00000235903.11	53	45	45	47	46
## ENSG00000080618.17	13	8	5	3	8
## ENSG00000136167.15	3446	8838	7297	8622	4336
## ENSG00000102445.20	131	69	192	63	132
## ENSG00000205105.6	4	5	2	5	5
## ENSG00000136141.15	2695	3494	3039	3307	2698
## ENSG00000139684.15	9486	10664	10160	9738	10607
## ENSG00000136143.16	5597	7105	6450	6678	6116
## ENSG00000234145.1	16	17	14	20	30
## ENSG00000260388.2	36	62	56	43	46
## ENSG00000227848.1	8	17	7	9	12
## ENSG00000136159.4	3386	4541	3992	4413	3987
## ENSG00000136146.15	2947	3800	3640	3832	3402

## ENSG00000136156.15	12187	18094	15187	16698	14845
## ENSG00000231473.5	5	9	4	9	5
## ENSG00000139687.16	2914	4032	3482	3671	3204
## ENSG00000177197.7	3	8	1	9	9
## ENSG00000139679.16	499	835	523	741	589
## ENSG00000136161.13	294	290	342	260	350
## ENSG00000152207.8	113	16	77	43	44
## ENSG00000225131.2	111	110	116	134	110
## ENSG00000275202.1	61	45	59	51	67
## ENSG00000102531.16	9453	12483	11983	12927	9674
## ENSG00000235957.1	25	15	20	10	33
## ENSG00000288743.1	32	38	41	54	40
## ENSG00000102543.14	454	586	539	594	551
## ENSG00000102547.19	1449	1871	1591	1707	1691
## ENSG00000136169.17	534	606	581	674	522
## ENSG00000136147.18	372	455	433	446	412
## ENSG00000136144.12	4391	6174	5899	6300	4883
## ENSG00000123179.14	3054	3913	3608	3912	3938
## ENSG00000102753.10	12872	16482	15232	14957	14250
## ENSG00000276436.1	13	19	10	15	9
## ENSG00000123178.16	551	756	669	744	615
## ENSG00000231607.15	245	257	296	199	216
## ENSG00000204977.10	2628	3571	3249	3334	2895
## ENSG00000198553.9	10	14	17	12	16
## ENSG00000176124.15	389	405	457	351	379
## ENSG00000274270.1	14	12	10	8	16
## ENSG00000232150.3	19	14	28	22	24
## ENSG00000286191.1	10	7	17	2	10
## ENSG00000186047.11	40	40	49	23	37
## ENSG00000233672.9	8	10	25	6	10
## ENSG00000136104.21	2191	2249	2345	2139	2359
## ENSG00000150510.17	17	15	32	28	45
## ENSG00000253309.7	2	12	11	7	5
## ENSG00000102786.15	2713	4016	3447	3893	2931
## ENSG00000236778.9	40	41	44	42	50
## ENSG00000139668.9	1660	2001	2052	2076	1779
## ENSG00000102796.12	165	220	202	214	214
## ENSG00000231856.4	61	73	53	69	71
## ENSG00000281106.4	13	17	17	25	12
## ENSG00000232872.2	40	59	52	65	37
## ENSG00000123191.17	6702	9335	8096	10113	7317
## ENSG00000253710.5	922	1325	1127	1324	921
## ENSG00000197168.14	200	217	192	221	202
## ENSG00000273523.1	6	16	17	13	13
## ENSG00000136098.18	1736	2507	2118	2507	1906
## ENSG00000291010.1	10	19	17	20	9
## ENSG00000136114.17	32	104	67	96	51
## ENSG00000136100.14	3111	4150	3530	3859	3178
## ENSG00000278238.2	54	63	61	55	64
## ENSG00000136108.15	7822	10258	9954	9784	9320
## ENSG00000235660.2	18	15	10	10	8
## ENSG00000273784.5	52	82	54	58	59
## ENSG00000250299.7	30	15	20	20	29
## ENSG00000273723.2	12	33	29	30	28

## ENSG00000165416.15	3933	5147	4706	5015	4642
## ENSG00000136110.13	18	15	22	17	19
## ENSG00000136099.13	5	5	7	6	8
## ENSG00000136149.6	296	400	406	549	592
## ENSG00000287460.1	16	22	20	24	30
## ENSG00000288765.1	249	158	264	167	168
## ENSG00000118946.12	2976	2152	3523	1813	2952
## ENSG00000139734.19	2991	3542	3368	3333	3129
## ENSG00000083544.16	1560	1798	1745	1718	1627
## ENSG00000280165.2	42	60	51	33	57
## ENSG00000214269.3	18	13	9	12	9
## ENSG00000236565.3	78	80	98	95	100
## ENSG00000184226.15	240	197	274	234	221
## ENSG00000150361.12	17	9	14	3	9
## ENSG00000226846.2	6	8	12	13	12
## ENSG00000276644.5	878	806	1169	652	796
## ENSG00000236534.1	22	29	30	57	48
## ENSG00000204899.6	1795	2772	2384	1954	2192
## ENSG00000136122.18	1076	1142	1190	1204	1022
## ENSG00000083520.15	7480	9497	8391	8931	7464
## ENSG00000083535.16	2400	2894	2812	3006	2557
## ENSG00000102554.14	28022	38610	33532	34765	31417
## ENSG00000236972.2	17	8	13	14	14
## ENSG00000224853.3	43	42	27	40	21
## ENSG00000118922.19	1604	1578	2138	1722	1520
## ENSG00000136111.14	2188	2431	2664	2462	2270
## ENSG00000188243.14	2994	3763	3567	3682	3926
## ENSG00000118939.19	571	757	597	630	656
## ENSG00000261553.5	6	15	14	13	14
## ENSG00000261105.6	7	2	8	2	2
## ENSG00000136153.20	2025	2393	2305	2207	2181
## ENSG00000285572.2	8	25	21	25	16
## ENSG00000178695.6	12359	12814	14241	11032	11068
## ENSG00000278727.1	49	34	55	58	64
## ENSG00000233873.1	24	13	20	33	37
## ENSG00000228002.2	11	10	9	14	10
## ENSG00000102805.16	342	447	337	366	354
## ENSG00000283208.2	2	5	6	3	3
## ENSG00000005812.11	1238	1756	1579	1575	1310
## ENSG00000005810.20	2471	3316	3217	3559	2523
## ENSG00000136155.17	103	110	100	125	83
## ENSG00000139737.23	2782	3414	2990	2912	3292
## ENSG00000225579.2	5	3	6	8	5
## ENSG00000136160.17	2	24	15	35	10
## ENSG00000152192.8	25	56	29	51	37
## ENSG00000152193.8	2286	3242	2745	3079	2526
## ENSG00000139746.16	5748	6783	6707	6800	6092
## ENSG00000227354.7	134	194	135	217	148
## ENSG00000102471.16	5720	10335	7056	8978	7446
## ENSG00000227676.4	7	9	6	15	9
## ENSG00000284196.3	8	9	7	4	11
## ENSG00000285684.1	6	9	6	1	1
## ENSG00000136158.12	4924	7958	6012	7689	7477
## ENSG00000293057.1	83	73	67	71	88

## ENSG00000286385.1	14	29	17	23	10
## ENSG00000178235.8	36	34	38	33	54
## ENSG00000288016.3	38	39	39	47	36
## ENSG00000184564.11	2614	1307	2788	1245	2166
## ENSG00000165300.8	74	68	103	61	104
## ENSG00000215417.14	59	68	87	82	54
## ENSG00000179399.16	177	261	259	262	248
## ENSG00000278177.1	8	12	11	15	14
## ENSG00000183098.12	10324	12756	12716	11821	11777
## ENSG00000088451.11	1096	1506	1413	1687	1310
## ENSG00000152749.8	1056	1392	1292	1203	1020
## ENSG00000227640.5	355	172	354	164	227
## ENSG00000125285.6	572	289	568	231	386
## ENSG00000252335.1	7	11	14	21	8
## ENSG00000125257.16	9458	15086	10975	14907	11293
## ENSG00000223298.1	7	14	11	14	7
## ENSG00000134873.10	12	12	12	20	13
## ENSG00000134874.18	2293	2884	2717	3025	2977
## ENSG00000247400.6	184	224	184	195	182
## ENSG00000102580.15	7624	11194	8922	10016	8103
## ENSG00000102595.22	2926	5022	3396	4980	3196
## ENSG00000185352.10	560	1085	753	1263	821
## ENSG00000165621.9	52	61	47	40	45
## ENSG00000139793.21	2339	3716	3012	3662	2459
## ENSG00000202290.1	0	12	3	8	0
## ENSG00000286416.1	17	20	25	19	12
## ENSG00000125249.7	4756	7099	6009	6056	5370
## ENSG00000065150.21	37801	42674	42411	40715	39342
## ENSG00000152767.17	12308	13689	13838	12234	13414
## ENSG00000102572.15	7585	9017	8419	8277	8620
## ENSG00000224418.1	9	10	8	11	6
## ENSG00000088386.17	20	26	18	25	11
## ENSG00000088387.22	868	971	1048	1026	784
## ENSG00000260992.1	2	5	10	4	5
## ENSG00000228889.9	86	83	74	80	102
## ENSG00000134882.16	5668	7284	6390	7483	7313
## ENSG00000218502.3	13	15	12	25	20
## ENSG00000169508.7	5	9	1	7	0
## ENSG00000125304.10	23784	32469	26419	30798	28181
## ENSG00000280734.3	38	54	72	73	51
## ENSG00000203441.2	22	29	36	36	37
## ENSG00000125246.16	242	337	314	321	298
## ENSG00000274605.4	101	110	145	122	156
## ENSG00000175198.17	1650	2090	1998	2347	1998
## ENSG00000228501.2	25	23	27	51	52
## ENSG00000134864.11	429	576	477	593	534
## ENSG00000224356.5	48	68	67	75	48
## ENSG00000125247.16	4253	5996	5199	5721	5172
## ENSG00000237082.1	23	19	13	11	21
## ENSG00000289594.1	33	49	51	55	60
## ENSG00000102452.18	13	7	12	5	11
## ENSG00000102466.17	718	402	780	344	710
## ENSG00000272143.2	101	81	83	82	118
## ENSG00000134900.13	7906	9655	9274	9852	8007

## ENSG00000175820.4	9	16	7	17	5
## ENSG00000151287.17	315	512	397	437	426
## ENSG00000134901.14	2059	2487	2241	2585	2264
## ENSG00000134897.14	938	1208	1091	1201	898
## ENSG00000134899.24	188	196	173	232	183
## ENSG00000125255.7	135	78	178	100	48
## ENSG00000125266.8	14833	22272	17596	21372	19313
## ENSG00000284966.3	37	72	47	62	44
## ENSG00000274204.1	10	16	13	22	7
## ENSG00000134884.15	3697	5057	4557	5260	4203
## ENSG00000272274.4	22	25	38	22	30
## ENSG00000285643.1	4	6	2	21	11
## ENSG00000204442.4	154	171	173	159	191
## ENSG00000174405.15	1540	2238	1949	2059	1570
## ENSG00000139826.6	2929	4206	3455	3415	3320
## ENSG00000102524.12	35	40	37	35	42
## ENSG00000283384.1	36	26	18	24	23
## ENSG00000041515.16	333	303	358	275	331
## ENSG00000236242.1	3	8	7	8	2
## ENSG00000275216.2	536	1597	620	1418	546
## ENSG00000289901.1	69	101	86	98	124
## ENSG00000185950.9	3184	3098	3416	2642	3876
## ENSG00000275830.4	8	12	1	3	6
## ENSG00000187498.16	33439	47092	38184	43485	41521
## ENSG00000134871.19	74275	98433	78971	87114	94921
## ENSG00000139832.5	474	595	555	670	636
## ENSG00000275880.1	22	28	27	20	42
## ENSG00000213995.12	2406	2803	2803	3123	2960
## ENSG00000134905.17	2892	3439	3272	3358	3763
## ENSG00000153487.13	1916	2154	2113	2077	2206
## ENSG00000255874.4	24	35	25	35	26
## ENSG00000088448.14	2748	3836	3328	4272	3118
## ENSG00000229152.2	94	177	157	158	109
## ENSG00000277767.1	6	9	6	11	8
## ENSG00000227105.1	9	3	6	7	3
## ENSG00000102606.20	4080	4502	4940	5007	4600
## ENSG00000224243.2	22	9	21	8	13
## ENSG00000182968.5	80	28	121	19	48
## ENSG00000126216.15	1326	1637	1583	1652	1487
## ENSG00000277159.1	24	15	22	21	24
## ENSG00000274922.3	97	115	101	96	99
## ENSG00000068650.19	7348	9954	9377	10902	8023
## ENSG00000126217.22	1404	1422	1662	1517	1474
## ENSG00000267868.1	33	41	32	47	48
## ENSG00000235280.2	35	45	46	81	59
## ENSG00000269376.1	11	13	15	18	10
## ENSG00000057593.14	37	52	66	98	81
## ENSG00000126218.12	995	989	1157	1060	1371
## ENSG00000230371.1	10	11	5	6	9
## ENSG00000283828.1	39	44	54	66	53
## ENSG00000126231.15	7	11	13	11	10
## ENSG00000126226.22	2860	3254	3086	3492	3134
## ENSG00000139842.15	6367	7545	7440	7752	6971
## ENSG00000185896.11	14229	20097	16771	18380	19976

## ENSG00000139835.14	684	967	860	943	878
## ENSG00000276434.1	8	11	13	9	6
## ENSG00000153531.15	130	151	129	145	116
## ENSG00000150401.15	1160	1490	1376	1657	1300
## ENSG00000150403.18	5922	8390	7209	9151	7362
## ENSG00000276916.1	21	32	19	25	16
## ENSG00000276248.1	113	118	116	144	92
## ENSG00000198176.13	8155	9816	9456	10214	10170
## ENSG00000184497.13	100	166	110	155	131
## ENSG00000233695.2	36	45	68	85	32
## ENSG00000183087.15	4741	7297	5379	7879	6968
## ENSG00000272695.2	90	143	112	157	91
## ENSG00000283199.3	1	8	7	3	3
## ENSG00000185989.11	443	409	507	479	496
## ENSG00000130177.16	4810	5962	5515	5696	5445
## ENSG00000285672.1	5	14	5	9	13
## ENSG00000169062.15	3312	3948	3987	4164	3980
## ENSG00000198824.8	4779	6024	5708	5701	5589
## ENSG00000136319.12	2158	2570	2377	2595	2696
## ENSG00000258768.2	64	58	61	72	89
## ENSG00000100814.19	14132	17421	15413	17282	16153
## ENSG00000287735.1	25	30	34	37	22
## ENSG00000222489.1	10	7	6	11	8
## ENSG00000129484.14	2149	2563	2570	2611	2488
## ENSG00000129566.13	1607	2489	2102	2718	1528
## ENSG00000092094.11	2241	2520	2345	2505	2700
## ENSG00000258515.1	7	12	12	14	6
## ENSG00000100823.12	22247	26774	24449	27731	29111
## ENSG00000165782.11	1865	2329	2180	2447	2347
## ENSG00000198805.13	5829	6862	6404	7061	7005
## ENSG00000214274.10	193	340	288	335	303
## ENSG00000258818.4	26	36	25	22	33
## ENSG00000169413.3	10	2	3	4	9
## ENSG00000129538.14	6021	7774	6360	8451	8368
## ENSG00000165792.18	2032	2280	2166	2453	2402
## ENSG00000165795.25	985	908	1040	1052	1268
## ENSG00000165801.10	2393	2853	2736	3011	2676
## ENSG00000165804.16	2974	2945	3109	3061	4247
## ENSG00000232070.9	15	20	13	13	25
## ENSG00000258441.1	2216	2882	2682	2823	2595
## ENSG00000092199.19	79922	100474	91889	97126	98675
## ENSG00000092200.13	38	64	52	51	54
## ENSG00000092201.10	28622	31761	32719	31411	29232
## ENSG00000100888.15	13440	16403	15667	16682	14443
## ENSG00000129472.15	1630	1997	1953	2057	1801
## ENSG00000092203.15	6443	7819	7287	7915	7260
## ENSG00000165819.12	3508	4828	4223	4907	4332
## ENSG00000165821.12	8988	10489	10822	10731	11196
## ENSG00000256737.1	5	4	8	6	4
## ENSG00000276240.4	15	28	8	14	5
## ENSG00000211777.2	1	4	8	6	6
## ENSG00000211798.3	9	5	2	8	4
## ENSG00000251002.10	45	17	40	27	38
## ENSG00000211813.2	13	12	8	5	7

## ENSG00000211818.1	14	12	12	18	18
## ENSG00000211820.1	8	12	5	7	14
## ENSG00000277734.8	32	22	18	26	45
## ENSG00000129562.11	8983	10901	9361	10871	11806
## ENSG00000275552.1	8	3	6	8	5
## ENSG00000100439.11	2787	3227	3269	3264	3283
## ENSG00000258458.8	11	17	13	20	17
## ENSG00000155463.14	10741	13584	12699	14253	13777
## ENSG00000155465.21	18209	17975	19814	17848	20516
## ENSG00000172590.18	3242	3526	3395	3589	4601
## ENSG00000157227.14	42722	64757	48548	64566	55680
## ENSG00000197324.9	9018	13696	9879	12900	13027
## ENSG00000139890.10	583	404	604	528	734
## ENSG00000100461.18	6689	7663	7040	7488	7440
## ENSG00000237054.9	5	7	9	16	7
## ENSG00000100462.16	8861	10117	9321	10321	10478
## ENSG00000257285.7	19	16	23	24	12
## ENSG00000092036.19	1273	1269	1257	1278	1158
## ENSG00000129474.17	11509	14804	13603	14523	13694
## ENSG00000258457.5	46	56	43	53	53
## ENSG00000100802.15	668	607	697	623	692
## ENSG00000280129.1	5	4	8	12	3
## ENSG00000100804.19	15334	17955	16982	18064	20528
## ENSG00000279656.1	75	66	91	97	118
## ENSG00000139880.21	1493	1417	1615	1587	1894
## ENSG00000288795.1	6	5	5	7	18
## ENSG00000100813.15	12183	14624	15129	16575	14040
## ENSG00000179933.6	5906	7429	6862	7725	7370
## ENSG00000283654.3	35	46	60	60	62
## ENSG00000092068.21	7480	8885	9244	9848	8918
## ENSG00000215277.9	9	16	14	11	10
## ENSG00000290292.10	3181	3750	3574	3675	3747
## ENSG00000235194.9	255	207	251	219	262
## ENSG00000129473.11	972	1246	1310	1477	1000
## ENSG00000258643.6	32	22	23	34	26
## ENSG00000100836.11	1366	1636	1471	1552	1474
## ENSG00000092096.19	931	843	1188	929	1311
## ENSG00000100842.13	1507	1105	1604	1230	1666
## ENSG00000197616.13	18	226	90	225	256
## ENSG00000092054.13	3	29	14	23	37
## ENSG00000129460.17	2334	2732	2715	2960	2724
## ENSG00000157306.14	4	12	14	11	8
## ENSG00000136367.15	627	768	746	767	776
## ENSG00000259431.6	413	480	443	452	514
## ENSG00000213983.12	1161	1434	1317	1454	1382
## ENSG00000258727.1	8	12	15	20	3
## ENSG00000092051.18	13	9	16	9	23
## ENSG00000100867.15	121	106	165	138	128
## ENSG00000215256.6	1227	1666	1531	1686	1566
## ENSG00000157326.19	850	895	883	886	1115
## ENSG00000187630.18	309	374	395	338	373
## ENSG00000285467.1	3	4	8	5	5
## ENSG00000286931.3	24	11	29	28	20
## ENSG00000186648.15	93	56	92	71	68

## ENSG00000129535.13	58	72	67	65	73
## ENSG00000100889.12	4724	5575	5475	6033	5973
## ENSG00000100897.18	4997	5780	5805	5802	6069
## ENSG00000139914.7	14	20	8	18	17
## ENSG00000092010.15	6494	8146	8013	8297	8414
## ENSG00000100908.14	491	502	512	555	668
## ENSG00000259321.1	2	3	8	8	3
## ENSG00000100911.16	4248	5119	4802	4969	5007
## ENSG00000092098.18	33	56	49	52	40
## ENSG00000259529.2	40	39	53	53	38
## ENSG00000213928.10	61	123	110	143	82
## ENSG00000100918.14	11952	11489	13250	11351	14091
## ENSG00000196497.17	64	111	68	98	96
## ENSG00000100926.15	659	743	656	763	740
## ENSG00000288820.2	41	26	37	38	40
## ENSG00000276698.1	14	14	24	12	13
## ENSG00000278784.1	50	51	61	61	58
## ENSG00000139908.15	49	41	44	64	33
## ENSG00000254505.11	31	44	44	66	32
## ENSG00000260669.2	16	27	23	35	31
## ENSG00000213920.9	4	11	6	7	5
## ENSG00000255526.6	14	8	12	7	6
## ENSG00000129559.13	4640	5186	5165	5449	5849
## ENSG00000100938.19	3448	4227	3732	3739	3900
## ENSG00000092330.19	1903	2447	2202	2362	2323
## ENSG00000289979.1	4	10	11	14	10
## ENSG00000092295.12	29	52	27	51	39
## ENSG00000100949.15	1216	1473	1317	1577	1715
## ENSG00000288044.3	46	106	65	137	117
## ENSG00000157379.14	668	804	851	908	966
## ENSG00000196943.14	4914	5422	5590	5483	5268
## ENSG00000213906.10	19	29	21	42	24
## ENSG00000213903.9	48	57	43	89	50
## ENSG00000129467.14	6	4	1	6	10
## ENSG00000129465.16	8	20	18	29	13
## ENSG00000100968.14	606	532	734	629	650
## ENSG00000205978.6	3656	3305	4326	3531	4490
## ENSG00000139899.11	27	30	34	47	39
## ENSG00000100441.10	4408	5765	5462	5706	4844
## ENSG00000100445.18	334	342	357	349	384
## ENSG00000258744.3	367	482	412	484	397
## ENSG00000168952.16	2890	3683	3321	3543	3441
## ENSG00000288100.1	9	18	17	16	16
## ENSG00000287481.1	5	9	9	7	12
## ENSG00000139910.20	639	894	958	1059	965
## ENSG00000292998.1	12	53	15	53	27
## ENSG00000293235.1	7	11	14	12	14
## ENSG00000258282.2	4	5	3	17	7
## ENSG00000184304.17	1423	1514	1591	1517	1875
## ENSG00000092140.16	2731	3626	3389	3376	2923
## ENSG00000092108.22	3762	4526	4234	4545	3905
## ENSG00000213867.4	17	27	29	47	68
## ENSG00000100473.18	2220	2590	2544	2495	2417
## ENSG00000258525.2	22	8	20	22	12

## ENSG00000196792.12	3021	3883	3562	3890	3058
## ENSG00000100478.16	598	676	651	651	673
## ENSG00000092148.14	12697	16610	14785	16365	12672
## ENSG00000129493.15	1227	1593	1606	1638	1171
## ENSG00000203546.7	10	14	11	12	9
## ENSG00000250365.7	26	26	38	26	20
## ENSG00000129480.14	734	816	772	837	859
## ENSG00000151413.17	1197	1570	1461	1465	1376
## ENSG00000258474.1	12	19	7	15	19
## ENSG00000258655.2	257	332	306	315	293
## ENSG00000100852.14	6580	9194	7803	8776	6206
## ENSG00000286527.1	8	7	8	5	12
## ENSG00000202337.1	20	24	21	31	37
## ENSG00000151320.11	213	252	286	315	232
## ENSG00000259045.1	3	8	3	8	14
## ENSG00000151322.20	100	80	106	77	92
## ENSG00000129521.15	1339	740	1432	678	1292
## ENSG00000165389.7	4730	8248	5974	6007	5544
## ENSG00000129518.10	2603	3111	2903	3258	3086
## ENSG00000129515.20	7867	9815	8757	8966	8460
## ENSG00000240463.1	8	9	14	12	15
## ENSG00000165410.15	4457	6906	5383	5957	5615
## ENSG00000243824.1	10	17	16	15	20
## ENSG00000198604.11	7614	9280	9341	9647	7893
## ENSG00000258738.1	226	324	300	208	266
## ENSG00000293497.1	51	51	46	51	45
## ENSG00000100883.13	6224	7517	7331	7722	6789
## ENSG00000151327.14	2069	2620	2494	2311	2368
## ENSG00000092020.11	1386	1574	1485	1438	1537
## ENSG00000279434.1	8	14	9	9	16
## ENSG00000100890.16	600	659	660	562	698
## ENSG00000240392.1	19	25	16	28	31
## ENSG00000100902.11	1926	2686	2094	2576	2469
## ENSG00000100906.12	2484	3278	2752	3110	2931
## ENSG00000174373.17	1957	2459	2269	2391	1985
## ENSG00000258938.1	17	24	25	25	24
## ENSG00000100916.14	1342	1799	1454	1778	1601
## ENSG00000151332.20	1191	1644	1432	1620	1463
## ENSG00000198807.13	13	32	22	23	23
## ENSG00000183032.12	280	421	425	347	399
## ENSG00000258708.1	33	50	30	33	31
## ENSG00000151338.21	1492	1956	1729	1778	1476
## ENSG00000289687.1	6	3	7	6	3
## ENSG00000259087.5	113	141	101	147	142
## ENSG00000129514.8	15359	22320	17801	22627	19414
## ENSG00000139865.17	413	494	439	614	361
## ENSG00000139874.6	398	261	492	273	432
## ENSG00000176435.7	16	8	8	8	12
## ENSG00000259070.9	11	22	10	18	18
## ENSG00000100934.15	11980	19925	15165	18721	13937
## ENSG00000258591.2	4	4	7	8	7
## ENSG00000092208.19	1164	1354	1429	1384	1289
## ENSG00000182400.15	394	483	474	466	367
## ENSG00000259083.1	9	16	17	20	12

## ENSG00000100941.9	8899	10790	10617	10865	9492
## ENSG00000270503.1	17	30	27	27	24
## ENSG00000150527.18	3154	4285	3639	4107	3639
## ENSG00000258940.2	13	13	18	16	11
## ENSG00000165355.8	1306	1523	1424	1524	1412
## ENSG00000258526.8	58	68	73	65	50
## ENSG00000286123.1	17	16	10	6	12
## ENSG00000286099.1	62	80	65	103	72
## ENSG00000251363.3	257	229	259	244	255
## ENSG00000258636.2	83	88	93	95	92
## ENSG00000289436.1	24	22	35	34	30
## ENSG00000165379.14	161	119	219	151	192
## ENSG00000259051.1	13	12	16	19	28
## ENSG00000258828.2	19	30	17	27	43
## ENSG00000259137.1	14	19	11	16	17
## ENSG00000179476.8	163	227	196	218	181
## ENSG00000179454.14	998	1366	1309	1355	910
## ENSG00000198718.13	1128	1555	1353	1483	1167
## ENSG00000185246.18	1350	1804	1594	1902	1211
## ENSG00000100442.11	7869	9151	8223	8485	8650
## ENSG00000187790.12	759	941	920	965	764
## ENSG00000129534.14	3143	3790	3811	3782	3262
## ENSG00000258608.1	3	4	6	3	5
## ENSG00000139915.22	44	72	44	64	45
## ENSG00000259129.6	97	482	155	407	347
## ENSG00000213741.11	16860	20416	19776	23023	26098
## ENSG00000276168.1	1892	539	795	588	351
## ENSG00000165501.17	1223	1361	1320	1386	1312
## ENSG00000258568.1	11	12	48	22	21
## ENSG00000278009.1	14	14	26	15	16
## ENSG00000165502.7	9067	10736	10690	11576	12586
## ENSG00000168282.6	107	70	86	68	79
## ENSG00000165506.15	2623	3354	3078	3315	3262
## ENSG00000258450.1	5	8	3	8	4
## ENSG00000100479.14	608	672	702	588	709
## ENSG00000197776.8	17	35	27	31	12
## ENSG00000165516.11	2169	2650	2488	2670	2532
## ENSG00000165525.18	3193	4080	3828	4232	3144
## ENSG00000278771.1	22	11	7	6	1
## ENSG00000282885.3	18	28	27	24	18
## ENSG00000165527.8	8994	12791	11094	11205	10179
## ENSG00000214900.13	30	27	31	51	31
## ENSG00000270788.1	17	24	19	28	32
## ENSG00000100483.14	446	600	447	641	458
## ENSG00000100485.12	2485	3343	3197	3402	2698
## ENSG00000087299.12	1925	2454	2299	2638	2214
## ENSG00000125375.18	616	737	707	695	723
## ENSG00000100490.10	341	451	381	461	335
## ENSG00000258857.1	4	7	6	4	7
## ENSG00000012983.12	5267	7418	6272	7166	5411
## ENSG00000198513.14	652	796	720	753	787
## ENSG00000151748.15	2568	3643	3114	3581	3142
## ENSG00000269906.1	33	59	56	61	46
## ENSG00000289866.1	2	6	5	6	3

## ENSG00000100503.27	3579	4514	4221	4175	3964
## ENSG00000270062.1	18	27	29	24	29
## ENSG00000100504.17	4758	6115	5553	6388	5339
## ENSG00000131969.15	33	85	63	86	70
## ENSG00000100505.14	179	238	247	251	218
## ENSG00000139921.13	5317	7432	6746	6283	5710
## ENSG00000258537.6	30	49	39	54	40
## ENSG00000139926.16	2113	3151	2552	3109	2333
## ENSG00000186469.9	1468	952	1736	793	1361
## ENSG00000087302.9	13831	16609	15008	15787	16508
## ENSG00000087303.19	318	722	525	1011	751
## ENSG00000289424.2	11	5	7	6	12
## ENSG00000125384.7	639	888	649	731	763
## ENSG00000087301.9	2201	2964	2594	2704	2210
## ENSG00000180998.12	646	866	788	805	704
## ENSG00000197930.13	7413	10362	9159	9700	7684
## ENSG00000100519.12	8788	11149	9888	10328	9671
## ENSG00000198252.12	2233	3435	2876	2787	2459
## ENSG00000100522.10	4529	6571	5024	5390	4802
## ENSG00000073712.15	6680	8206	7628	7375	6755
## ENSG00000288045.1	11	27	15	21	17
## ENSG00000100523.17	2079	2547	2457	2685	2157
## ENSG00000237356.7	49	71	62	54	67
## ENSG00000225680.1	6	13	3	11	4
## ENSG00000235269.2	28	33	34	51	39
## ENSG00000125378.16	910	1881	1278	2019	1729
## ENSG00000287156.1	5	14	13	24	11
## ENSG00000224004.2	5	6	9	10	14
## ENSG00000100526.21	1086	1257	1182	1211	1238
## ENSG00000100528.12	11813	16898	13294	14421	14018
## ENSG00000197045.14	10003	15046	11956	11802	10843
## ENSG00000100532.13	976	1488	1131	1178	1172
## ENSG00000020577.14	1946	2350	2384	2603	2030
## ENSG00000131979.20	5042	5235	6278	4929	4993
## ENSG00000198554.12	4282	4627	5190	4994	4229
## ENSG00000180008.9	3275	4524	3914	4393	3213
## ENSG00000168175.16	10478	13506	13069	12002	12030
## ENSG00000289523.1	26	31	41	44	31
## ENSG00000131981.16	19836	38774	21493	38637	30616
## ENSG00000126787.13	8195	8911	9004	8763	8491
## ENSG00000279392.1	27	25	25	31	46
## ENSG00000258413.2	8	4	5	5	3
## ENSG00000178974.11	2539	3003	3085	3344	2841
## ENSG00000126775.9	1469	1990	1789	1895	1570
## ENSG00000186615.12	415	397	503	400	440
## ENSG00000126777.18	26418	31009	30409	29993	27103
## ENSG00000277763.1	6	5	8	5	10
## ENSG00000139946.11	2760	2745	3325	2479	2877
## ENSG00000275569.1	8	4	6	2	3
## ENSG00000070269.14	1877	2252	2154	2320	2006
## ENSG00000165588.19	1	15	5	25	3
## ENSG00000258592.1	15	25	20	33	12
## ENSG00000070367.17	8114	10715	9866	9183	7959
## ENSG00000053770.12	3840	4914	4267	4394	3839

## ENSG00000139977.14	3058	4401	3798	3750	3443
## ENSG00000100557.10	331	559	435	491	482
## ENSG00000151812.15	12	3	10	3	15
## ENSG00000259969.1	71	60	77	56	76
## ENSG00000139971.15	1067	1129	1231	1121	1146
## ENSG00000131966.14	3305	4186	3732	3993	3694
## ENSG00000100567.13	8527	10676	9741	10875	10143
## ENSG00000258682.1	10	14	21	24	17
## ENSG00000257621.9	976	1333	1130	1154	1026
## ENSG00000180189.10	7	7	8	4	10
## ENSG00000279636.2	7	15	12	14	8
## ENSG00000032219.19	1469	2049	1829	2027	1453
## ENSG00000196860.8	9	20	13	26	11
## ENSG00000258378.1	9	11	10	10	9
## ENSG00000100575.14	2042	2427	2333	2164	2338
## ENSG00000100578.18	1859	2301	2154	2406	1972
## ENSG00000165617.16	201	224	226	206	213
## ENSG00000213598.4	23	37	30	34	36
## ENSG00000100592.16	3321	3998	3966	3861	3229
## ENSG00000181619.12	33	45	54	53	42
## ENSG00000126790.12	153	222	176	291	187
## ENSG00000050130.18	2685	3364	3096	3470	3217
## ENSG00000139970.18	463	248	496	208	475
## ENSG00000261120.1	5	2	8	14	10
## ENSG00000131951.12	73	75	73	66	58
## ENSG00000126773.13	4730	6164	5887	6251	5065
## ENSG00000100612.14	4510	6415	5411	6236	5443
## ENSG00000100614.18	3523	5029	4400	4468	4046
## ENSG00000179008.9	44	35	31	31	34
## ENSG00000258427.3	11	25	16	21	34
## ENSG00000126778.12	4	8	4	2	19
## ENSG00000100625.9	1303	1747	1632	1712	1442
## ENSG00000020426.11	1369	1762	1557	1619	1509
## ENSG00000258445.3	6	6	4	4	11
## ENSG00000126814.7	2024	2319	2165	2331	2039
## ENSG00000139974.17	457	518	448	467	530
## ENSG00000027075.17	318	270	439	260	348
## ENSG00000182107.7	3213	5280	3944	4714	3400
## ENSG00000247287.3	4	7	14	10	7
## ENSG00000232774.8	37	25	35	36	49
## ENSG00000258777.2	22	21	14	28	18
## ENSG00000100644.17	26225	34894	34666	34579	27563
## ENSG00000258667.3	8	15	23	17	8
## ENSG00000023608.5	730	986	864	964	906
## ENSG00000139973.18	251	224	320	205	236
## ENSG00000293464.1	703	361	761	266	465
## ENSG00000288802.1	151	67	171	69	99
## ENSG00000140015.20	1132	2255	1396	2143	1577
## ENSG00000126785.13	31	60	25	70	39
## ENSG00000154001.14	7249	9550	8916	8348	8166
## ENSG00000270878.1	11	16	19	20	17
## ENSG00000140006.12	1620	2118	1842	1807	1775
## ENSG00000258645.2	14	11	10	10	14
## ENSG00000274015.3	4	21	14	19	19

## ENSG00000126821.8	1464	2136	1825	1910	1603
## ENSG00000054654.20	4142	5534	4917	5446	3923
## ENSG00000140009.19	21	22	28	19	22
## ENSG00000214770.3	13	11	15	10	4
## ENSG00000293482.1	6	11	13	9	2
## ENSG00000284664.1	7	11	2	5	6
## ENSG00000100714.18	11037	11976	12636	11420	12517
## ENSG00000258824.2	13	21	17	19	15
## ENSG00000089775.12	737	1009	856	861	779
## ENSG00000179841.8	443	851	581	783	506
## ENSG00000126804.14	2560	3639	2965	3490	2612
## ENSG00000259116.2	3	14	5	5	2
## ENSG00000126803.10	415	448	531	360	458
## ENSG00000165807.8	56	57	61	55	63
## ENSG00000126822.18	3272	3357	3434	3443	3871
## ENSG00000070182.21	432	331	403	380	393
## ENSG00000258289.10	2849	3821	3317	3512	3122
## ENSG00000125954.13	6	12	4	2	6
## ENSG00000176153.13	3029	4699	3388	4083	2990
## ENSG00000139998.16	3893	4342	4315	4197	3996
## ENSG00000257365.8	790	982	864	999	1025
## ENSG00000272158.1	0	10	5	3	3
## ENSG00000125952.21	2346	2878	2548	2803	2979
## ENSG00000259118.5	6	4	8	3	3
## ENSG00000255002.2	1	10	5	9	4
## ENSG00000258760.1	1	6	6	5	9
## ENSG00000259078.2	3	2	17	7	6
## ENSG00000033170.17	17754	25439	21928	25533	19180
## ENSG00000276116.2	170	241	213	206	248
## ENSG00000224861.1	304	323	288	361	541
## ENSG00000258502.6	1	8	1	5	6
## ENSG00000258561.2	5	14	15	7	10
## ENSG00000171723.16	1579	1873	1995	2095	1896
## ENSG00000172717.17	5	4	5	7	9
## ENSG00000072415.10	4831	6010	5558	5686	4977
## ENSG00000100554.12	5031	6024	5334	5661	5683
## ENSG00000134001.15	8168	10142	9209	9576	9066
## ENSG00000100558.9	157	199	172	212	142
## ENSG00000198133.9	196	329	277	362	218
## ENSG00000054690.14	3145	4206	3986	4598	3343
## ENSG00000100564.9	657	780	785	867	807
## ENSG00000081181.8	1630	1828	1908	1801	1965
## ENSG00000100568.11	5705	6742	6040	6134	6295
## ENSG00000258626.2	14	13	18	21	23
## ENSG00000072042.13	16359	24112	18972	24187	19923
## ENSG00000139988.10	65	78	67	74	96
## ENSG00000072121.17	2246	2818	2655	3026	2351
## ENSG00000182185.19	306	338	307	293	300
## ENSG00000258477.1	5	7	3	10	3
## ENSG00000287385.1	8	12	10	13	13
## ENSG00000259038.2	7	2	10	16	4
## ENSG00000258623.1	5	5	11	6	8
## ENSG00000185650.10	6070	7853	7978	8162	7766
## ENSG00000072110.16	27176	33325	29831	29136	32668

## ENSG00000139990.18	4964	6281	5914	6522	5706
## ENSG00000258957.2	4	13	12	6	14
## ENSG00000081177.19	2977	3936	3558	4023	3594
## ENSG00000258520.1	13	6	11	11	13
## ENSG00000100626.17	1420	956	1553	925	1696
## ENSG00000100632.11	12869	15702	14243	17915	19279
## ENSG00000029364.12	7602	9732	8847	10556	8440
## ENSG00000175985.10	36	27	41	21	29
## ENSG00000267909.3	11	4	12	7	14
## ENSG00000100647.8	2275	3087	2907	3571	2953
## ENSG00000100650.16	5828	7477	7139	8093	6867
## ENSG00000198732.11	221	194	271	191	267
## ENSG00000242071.3	851	914	861	833	1262
## ENSG00000100678.20	31	22	44	17	35
## ENSG00000258422.6	29	29	29	43	31
## ENSG00000274330.1	26	38	31	25	20
## ENSG00000259033.2	9	12	10	10	7
## ENSG00000133983.16	294	334	306	298	314
## ENSG00000258644.6	11	12	21	13	18
## ENSG00000222640.1	6	7	7	4	4
## ENSG00000213463.5	3643	4742	4478	4819	3638
## ENSG00000139985.8	40	33	43	22	21
## ENSG00000133997.12	1967	2433	2144	2208	2144
## ENSG00000133985.3	765	765	896	851	912
## ENSG00000006432.16	3626	5011	4776	5148	3942
## ENSG00000259153.4	611	891	723	977	784
## ENSG00000274818.1	54	49	58	37	75
## ENSG00000100731.16	5841	8228	7452	8163	6444
## ENSG00000259146.4	31	31	27	49	33
## ENSG00000197555.10	5757	7872	6882	7634	6681
## ENSG00000266869.2	5	7	5	5	5
## ENSG00000182732.18	79	55	87	74	65
## ENSG00000205683.12	107	140	156	160	154
## ENSG00000119599.17	994	1188	1144	1335	1285
## ENSG00000165861.14	1706	1971	1862	1866	1970
## ENSG00000258813.2	9	14	18	17	10
## ENSG00000119707.14	9717	12206	11643	12031	10451
## ENSG00000080815.20	9820	13385	11537	12923	11483
## ENSG00000100767.17	161	112	152	107	150
## ENSG00000258376.2	24	25	44	23	18
## ENSG00000258944.1	6	6	7	13	6
## ENSG00000133961.21	3565	4952	4490	5152	3868
## ENSG00000251393.5	5	6	2	6	4
## ENSG00000187105.9	22	36	31	28	11
## ENSG00000170468.8	1089	1293	1217	1343	1418
## ENSG00000184227.8	161	170	159	184	191
## ENSG00000119673.16	505	557	558	568	572
## ENSG00000279026.1	6	31	13	19	17
## ENSG00000177465.5	20	14	16	8	21
## ENSG00000119661.15	2081	2485	2382	2317	2042
## ENSG00000176903.5	3291	2926	3682	3028	3995
## ENSG00000156030.14	2090	2413	2538	2699	2234
## ENSG00000259065.3	60	54	65	77	90
## ENSG00000140043.12	136	233	182	219	159

## ENSG00000273711.2	5	6	3	10	6
## ENSG00000119725.21	42	77	50	59	77
## ENSG00000156050.10	74	88	91	72	79
## ENSG00000119723.17	261	274	249	256	297
## ENSG00000187097.13	1307	1886	1791	2023	1311
## ENSG00000119636.16	220	251	247	233	253
## ENSG00000119711.13	3905	4647	4602	4780	4158
## ENSG00000205659.12	1416	1816	1706	1960	1707
## ENSG00000119614.3	8	7	1	4	3
## ENSG00000119688.21	2531	3369	3089	3602	3206
## ENSG00000258559.2	20	24	19	26	12
## ENSG00000133980.5	49	12	52	21	33
## ENSG00000183379.9	18	2	21	3	11
## ENSG00000270000.1	6	12	7	11	5
## ENSG00000259005.1	16	21	15	20	12
## ENSG00000119655.11	6932	8870	8135	8925	8836
## ENSG00000165898.14	1408	1566	1542	1794	1781
## ENSG00000119681.12	222	347	299	330	274
## ENSG00000258976.1	8	11	7	11	12
## ENSG00000119682.18	5809	6849	6697	7080	6438
## ENSG00000258439.1	5	2	8	17	4
## ENSG00000119616.11	4056	4990	4580	4849	4294
## ENSG00000119596.18	10433	13052	12758	12346	12149
## ENSG00000119608.15	4	2	5	7	2
## ENSG00000119689.15	8538	10802	9826	11065	10876
## ENSG00000198208.12	189	246	192	229	224
## ENSG00000119630.14	404	816	587	916	789
## ENSG00000119718.11	2719	3214	3015	3302	3322
## ENSG00000279594.1	3	8	6	5	1
## ENSG00000119684.16	1331	1682	1678	1838	1354
## ENSG00000119640.9	237	220	318	292	292
## ENSG00000119703.15	229	256	249	221	255
## ENSG00000119638.14	7118	9000	8592	9407	7517
## ENSG00000170348.9	25234	33550	30171	31433	29111
## ENSG00000170345.10	598	635	619	643	757
## ENSG00000259687.4	9	21	21	30	28
## ENSG00000259319.2	69	82	75	83	60
## ENSG00000140044.13	1241	1428	1326	1605	1680
## ENSG00000156127.8	22	27	11	15	20
## ENSG00000119686.10	138	211	173	208	164
## ENSG00000242951.1	40	36	44	65	72
## ENSG00000119685.20	3040	2691	3331	2748	3127
## ENSG00000133935.7	3777	4580	4163	4476	4821
## ENSG00000119650.13	1325	1384	1432	1468	1727
## ENSG00000119699.8	1027	503	984	563	1040
## ENSG00000089916.18	3458	4535	4386	4733	3427
## ENSG00000119715.15	16	11	10	21	7
## ENSG00000242952.1	12	14	12	25	45
## ENSG00000071246.11	3051	2912	3453	2798	3433
## ENSG00000259081.1	4	6	9	2	7
## ENSG00000258301.3	36	31	33	24	25
## ENSG00000013523.11	3319	3572	3920	3950	3910
## ENSG00000241081.1	18	26	22	38	37
## ENSG00000258602.2	12	9	3	8	2

## ENSG00000119669.5	2577	2308	2907	2319	3392
## ENSG00000289347.1	8	9	9	7	10
## ENSG00000258819.2	43	62	47	50	57
## ENSG00000198894.8	1468	1921	1841	2118	1598
## ENSG00000165548.11	173	101	208	101	176
## ENSG00000177108.5	47	23	46	22	44
## ENSG00000165553.5	8	6	12	3	4
## ENSG00000009830.13	3043	3457	3228	3357	3629
## ENSG00000100577.19	1585	2138	1857	2120	2170
## ENSG00000100580.8	3928	4704	4939	4519	3784
## ENSG00000100583.5	294	311	296	272	258
## ENSG00000165555.10	31	50	30	33	41
## ENSG00000151445.16	2749	3189	2870	3014	3025
## ENSG00000100591.8	9159	10839	10450	11338	11607
## ENSG00000212371.1	2	3	5	5	3
## ENSG00000100593.18	32	39	43	24	28
## ENSG00000100596.8	10433	11689	11831	11237	10147
## ENSG00000100601.10	1254	1583	1473	1555	1545
## ENSG00000119705.10	2595	2682	2864	3161	3204
## ENSG00000100603.14	5782	7399	6504	6705	6690
## ENSG00000063761.16	713	777	804	762	828
## ENSG00000021645.20	211	213	229	182	235
## ENSG00000211448.14	4	4	7	6	5
## ENSG00000100629.17	877	969	1059	887	839
## ENSG00000165409.18	78	57	73	67	57
## ENSG00000284959.3	7	12	13	9	16
## ENSG00000165417.12	4347	6210	5893	5162	4965
## ENSG00000273783.2	35	45	40	44	34
## ENSG00000205579.3	12	10	12	17	22
## ENSG00000140022.14	1773	3122	2310	3005	1927
## ENSG00000258605.1	3	1	5	6	6
## ENSG00000071537.14	15297	20072	17638	20423	15718
## ENSG00000258977.2	36	39	44	36	42
## ENSG00000258501.1	4	2	7	6	4
## ENSG00000258743.8	41	45	62	45	54
## ENSG00000259032.2	8	12	7	11	12
## ENSG00000205562.5	133	111	169	121	163
## ENSG00000185070.12	12967	11469	15063	11536	14449
## ENSG00000054983.17	2818	4143	3231	3743	3289
## ENSG00000100433.16	48	58	53	56	50
## ENSG00000042317.17	1228	1584	1357	1410	1408
## ENSG00000070778.13	1977	2403	2290	2338	2051
## ENSG00000258789.1	29	32	55	22	43
## ENSG00000100722.20	5692	6634	6321	6709	5721
## ENSG00000278576.1	20	16	20	24	19
## ENSG00000165521.16	210	158	199	162	138
## ENSG00000165533.19	1298	1541	1526	1682	1514
## ENSG00000283627.1	2	8	9	6	6
## ENSG00000053254.16	3377	4494	3914	4367	3475
## ENSG00000258920.1	76	89	75	67	89
## ENSG00000140025.16	578	760	708	749	691
## ENSG00000042088.14	2819	3363	3172	3301	3321
## ENSG00000152315.5	23	11	30	13	20
## ENSG00000100764.14	3937	4560	4494	4395	4655

## ENSG00000119720.18	1369	1651	1576	1672	1351
## ENSG00000242571.1	39	25	26	46	45
## ENSG00000275198.1	16	40	37	41	33
## ENSG00000198668.14	28357	36386	33997	34920	35262
## ENSG00000258424.1	10	15	15	15	13
## ENSG00000165914.15	2154	1990	2409	2052	2530
## ENSG00000213315.5	12	11	8	25	20
## ENSG00000258884.3	6	9	12	12	11
## ENSG00000100784.12	97	108	109	117	77
## ENSG00000133943.21	2427	2722	2764	2682	2879
## ENSG00000119714.11	12	12	15	12	12
## ENSG00000015133.20	5683	6342	6115	6376	6981
## ENSG00000258798.1	7	4	1	6	7
## ENSG00000100796.18	6646	8684	7925	8946	7324
## ENSG00000133962.8	9	11	12	17	8
## ENSG00000260711.2	15	41	32	31	47
## ENSG00000165929.13	2148	3119	2586	2657	1874
## ENSG00000140092.16	109	161	187	150	143
## ENSG00000100815.12	3510	5197	4394	5009	3635
## ENSG00000259020.3	9	5	8	10	19
## ENSG00000066427.25	1346	1766	1564	1793	1472
## ENSG00000183648.11	741	1110	901	1116	1270
## ENSG00000165934.13	9673	12145	11103	11243	10050
## ENSG00000140090.18	29	24	54	20	28
## ENSG00000100599.16	818	1068	981	1088	1145
## ENSG00000100600.15	9244	12284	10624	12278	10668
## ENSG00000066455.13	3984	5461	4663	5349	4439
## ENSG00000100604.13	92640	57160	96504	49116	101243
## ENSG00000100605.17	5039	5572	5426	5644	6415
## ENSG00000165943.5	1763	2158	2069	2450	2075
## ENSG00000153485.6	561	820	749	699	706
## ENSG00000259066.5	1	14	9	1	6
## ENSG00000170270.5	465	553	534	518	574
## ENSG00000012963.15	2288	2495	2584	2499	2415
## ENSG00000240096.1	6	7	6	10	23
## ENSG00000011114.15	3647	4884	4625	4853	3686
## ENSG00000133958.14	128	98	150	85	120
## ENSG00000278396.1	13	30	21	17	25
## ENSG00000175785.13	759	960	812	939	801
## ENSG00000100628.12	41	74	34	59	37
## ENSG00000089723.10	232	247	260	251	248
## ENSG00000089737.19	15755	18183	17451	17793	18282
## ENSG00000165948.11	518	624	587	627	644
## ENSG00000165949.13	36	37	24	37	38
## ENSG00000119632.4	456	436	496	512	602
## ENSG00000119698.12	135	66	182	75	90
## ENSG00000140093.10	6	12	11	15	19
## ENSG00000170099.6	39	103	53	114	80
## ENSG00000197249.14	5557	7064	9869	8270	8009
## ENSG00000186910.4	2	2	10	6	4
## ENSG00000100665.12	162	347	162	378	188
## ENSG00000188488.14	3014	3717	3404	3768	3353
## ENSG00000273259.3	7	3	6	3	10
## ENSG00000239269.1	9	5	8	10	12

## ENSG00000240914.1	62	67	66	126	106
## ENSG00000100697.17	10246	13701	12571	13370	9849
## ENSG00000235706.9	105	92	147	127	113
## ENSG00000165959.12	356	373	531	342	357
## ENSG00000176438.13	629	1136	913	1337	746
## ENSG00000247092.9	277	302	279	345	326
## ENSG00000182512.5	5183	6524	5920	6363	6842
## ENSG00000250366.4	591	427	705	416	623
## ENSG00000227051.7	4404	3576	5002	4028	4591
## ENSG00000168398.7	63	107	77	173	97
## ENSG00000100739.11	3	26	10	26	19
## ENSG00000066739.12	1504	2111	1919	2142	1476
## ENSG00000100744.15	3604	5128	4313	5139	4008
## ENSG00000140057.9	396	441	520	429	447
## ENSG00000240051.1	6	3	10	4	5
## ENSG00000260806.1	50	74	81	68	82
## ENSG00000090060.19	20877	28061	24578	26244	22015
## ENSG00000258702.5	13	19	18	8	16
## ENSG00000100749.9	3790	4534	4069	4162	4425
## ENSG00000232573.1	488	770	731	982	929
## ENSG00000234648.1	41	38	51	54	92
## ENSG00000127152.18	8	7	22	14	10
## ENSG00000183576.13	4740	5824	5268	5752	5116
## ENSG00000090061.17	1938	2589	2315	2468	2117
## ENSG00000205476.9	6103	5929	6540	6351	7304
## ENSG00000182218.10	109	80	124	84	114
## ENSG00000036530.9	26	20	27	21	31
## ENSG00000066629.19	1940	2105	2473	2295	2217
## ENSG00000196405.13	5105	5277	5746	5167	6885
## ENSG00000168350.8	8	5	22	10	16
## ENSG00000258982.1	15	21	16	28	19
## ENSG00000100811.15	8893	10868	10889	10618	9779
## ENSG00000258904.1	5	12	9	7	5
## ENSG00000197119.13	2819	3194	3091	3795	3599
## ENSG00000140105.18	15157	17650	16965	17772	16951
## ENSG00000176473.14	768	755	737	837	876
## ENSG00000183092.18	54	59	81	75	104
## ENSG00000185559.16	16039	4481	18011	5182	16959
## ENSG00000214548.18	27	4	30	6	17
## ENSG00000254656.3	305	27	389	41	210
## ENSG00000258498.10	78	74	131	76	68
## ENSG00000197406.8	788	403	947	568	666
## ENSG00000241494.1	41	35	42	59	47
## ENSG00000258512.2	5	5	3	7	7
## ENSG00000078304.20	7567	8699	8758	8473	8356
## ENSG00000259088.1	21	33	20	15	25
## ENSG00000271780.2	63	76	73	93	69
## ENSG00000272444.1	3	11	13	7	11
## ENSG00000197102.14	41236	50929	45953	49695	43371
## ENSG00000080824.19	147833	171075	168160	164083	161943
## ENSG00000140153.18	1426	1851	1664	1825	1585
## ENSG00000080823.23	316	321	317	357	363
## ENSG00000022976.16	441	488	465	560	455
## ENSG00000100865.15	1715	1986	1886	1924	2159

## ENSG00000196663.16	2425	2796	2784	3193	2685
## ENSG00000156381.9	886	1004	984	1073	1100
## ENSG00000289862.1	3	8	5	3	1
## ENSG00000089902.10	3220	3925	3931	4206	3396
## ENSG00000131323.17	3295	4011	3968	4329	3652
## ENSG00000166126.11	112	106	151	112	110
## ENSG00000198752.11	8949	10240	10545	10698	9329
## ENSG00000259515.1	7	6	8	3	6
## ENSG00000213176.4	5	4	6	14	17
## ENSG00000289207.1	21	23	28	26	32
## ENSG00000283071.1	37	11	27	16	33
## ENSG00000205436.8	312	320	355	422	390
## ENSG00000185215.11	1157	1180	1545	1399	1245
## ENSG00000259374.3	8	5	4	5	2
## ENSG00000251533.2	68	70	95	96	88
## ENSG00000259775.1	13	19	19	24	21
## ENSG00000100664.11	24393	30701	29009	30897	27614
## ENSG00000243904.1	2	6	5	5	6
## ENSG00000075413.19	4741	5723	5562	6169	5402
## ENSG00000166165.14	49959	68684	59184	74598	97128
## ENSG00000260285.1	24	34	32	37	35
## ENSG00000166166.13	1351	1436	1377	1548	1773
## ENSG00000166170.12	4843	5911	5523	5521	5218
## ENSG00000126214.22	1500	1645	1777	1844	1712
## ENSG00000256053.9	1625	2055	1689	1748	2041
## ENSG00000246451.2	54	83	88	76	58
## ENSG00000270108.1	11	20	23	15	11
## ENSG00000269910.1	21	29	21	36	24
## ENSG00000269940.1	27	55	35	31	18
## ENSG00000269958.1	173	273	203	257	223
## ENSG00000126215.14	773	739	819	844	1060
## ENSG00000100711.14	836	1053	992	1193	1097
## ENSG00000088808.18	1176	1173	1264	1259	1266
## ENSG00000287346.1	98	52	89	84	84
## ENSG00000156411.10	5344	6810	6050	7430	7610
## ENSG00000166183.16	3	5	9	9	10
## ENSG00000066735.16	1328	1073	1489	1198	1576
## ENSG00000258986.7	656	419	741	431	681
## ENSG00000203485.14	6092	7024	6511	7048	7993
## ENSG00000185100.12	489	421	558	412	564
## ENSG00000184990.13	3582	3962	3706	4306	5736
## ENSG00000142208.18	13253	14783	14122	14349	16581
## ENSG00000179627.10	1506	1708	1666	1631	1869
## ENSG00000279140.1	9	3	4	8	7
## ENSG00000258701.1	173	197	151	192	214
## ENSG00000196183.5	6	2	9	9	13
## ENSG00000099814.17	6450	7106	6834	7733	7704
## ENSG00000166428.14	5	9	4	5	4
## ENSG00000185567.7	292	403	335	352	378
## ENSG00000140104.14	894	1005	919	997	997
## ENSG00000170779.11	2152	2545	2398	2591	2965
## ENSG00000183484.12	20	29	32	35	41
## ENSG00000257556.4	34	39	31	60	47
## ENSG00000184916.9	618	615	736	736	871

## ENSG00000183828.15	537	530	529	568	771
## ENSG00000185024.18	1613	1753	1771	1840	2122
## ENSG00000184887.14	1600	1736	1732	1663	2050
## ENSG00000179364.15	4641	4778	5100	5006	5805
## ENSG00000279495.1	74	91	99	73	77
## ENSG00000242085.1	3	3	1	6	5
## ENSG00000226174.7	24	19	24	24	19
## ENSG00000251602.7	296	299	334	284	323
## ENSG00000182979.18	5746	5985	6424	6418	7477
## ENSG00000257270.1	27	45	30	53	23
## ENSG00000182809.11	699	484	720	478	1011
## ENSG00000213145.10	26	68	33	45	47
## ENSG00000185347.19	391	392	411	372	523
## ENSG00000184986.12	9	10	24	13	33
## ENSG00000225200.2	117	131	148	209	248
## ENSG00000258628.1	5	3	5	2	7
## ENSG00000290376.1	4	7	3	5	3
## ENSG00000273679.1	1	8	5	8	6
## ENSG00000291003.1	166	193	202	298	116
## ENSG00000290399.1	3	5	8	9	5
## ENSG00000274253.6	19	23	37	20	32
## ENSG00000170113.16	2071	2774	2493	2660	2346
## ENSG00000140157.16	4401	5538	4899	4868	4942
## ENSG00000273749.5	16254	19753	18551	19440	18865
## ENSG00000275835.5	1545	1828	1756	2005	1644
## ENSG00000274471.3	19	28	35	45	12
## ENSG00000260978.2	4	7	1	8	2
## ENSG00000254585.5	639	457	637	503	635
## ENSG00000182636.8	3819	4330	4078	4222	5318
## ENSG00000259905.7	6	1	7	6	2
## ENSG00000286110.1	11	34	14	17	16
## ENSG00000128739.23	3286	4436	3717	4295	4308
## ENSG00000241061.3	63	85	67	68	101
## ENSG00000242088.1	19	16	22	19	19
## ENSG00000273173.6	16	23	20	10	11
## ENSG00000224078.15	16758	23672	21480	24671	16619
## ENSG00000114062.22	10055	13156	11468	11926	10858
## ENSG00000289522.1	87	77	75	114	78
## ENSG00000206190.13	17	10	11	10	10
## ENSG00000166206.16	1540	1469	1799	1548	1420
## ENSG00000278840.1	17	16	25	22	14
## ENSG00000186297.12	21	43	36	34	39
## ENSG00000182256.13	61	45	83	80	86
## ENSG00000104044.16	134	130	163	146	149
## ENSG00000128731.18	5707	7257	6626	7905	5885
## ENSG00000256338.2	70	85	81	143	147
## ENSG00000291259.1	7	6	7	10	5
## ENSG00000206149.13	6	14	16	20	9
## ENSG00000291082.1	87	109	126	157	72
## ENSG00000290879.1	8	5	6	12	8
## ENSG00000291258.1	92	79	94	70	117
## ENSG00000261649.7	4	6	6	6	4
## ENSG00000289209.1	2	9	11	7	13
## ENSG00000034053.15	3253	3421	3460	3540	4286

## ENSG00000104059.5	968	1036	1171	1023	1173
## ENSG00000185115.6	1397	1759	1595	1687	1934
## ENSG00000256802.3	55	55	68	59	84
## ENSG00000104067.17	12035	15158	14785	15955	12226
## ENSG00000234664.1	68	92	85	95	123
## ENSG00000259523.1	13	21	13	19	17
## ENSG00000225930.4	14	8	27	20	18
## ENSG00000166664.15	6	10	5	7	7
## ENSG00000289455.1	5	6	8	8	12
## ENSG00000186399.11	0	1	5	11	1
## ENSG00000270055.1	12	26	31	36	30
## ENSG00000261794.2	12	6	17	14	8
## ENSG00000247728.2	4	3	6	9	5
## ENSG00000285077.4	16	19	20	35	24
## ENSG00000198690.10	1534	1850	1687	1867	1505
## ENSG00000166912.17	1127	1722	1393	1585	1280
## ENSG00000259772.8	8	1	2	5	3
## ENSG00000259448.3	15	12	17	14	17
## ENSG00000169926.11	7807	9304	9370	9769	8310
## ENSG00000169918.10	113	91	136	87	115
## ENSG00000175344.19	73	111	94	88	85
## ENSG00000293141.1	3	8	15	4	6
## ENSG00000262728.6	5	4	3	9	0
## ENSG00000232653.9	8	5	14	5	7
## ENSG00000198826.11	2641	2933	2989	2753	2518
## ENSG00000166922.9	54	43	70	47	57
## ENSG00000166923.12	5	24	24	39	13
## ENSG00000248905.10	56	52	86	91	50
## ENSG00000198838.15	73	109	93	91	61
## ENSG00000259408.2	5	14	10	10	1
## ENSG00000169857.9	1442	1688	1510	1530	1708
## ENSG00000134153.10	2819	3869	3233	4050	3554
## ENSG00000182405.6	160	188	186	220	174
## ENSG00000134152.11	2300	2895	2834	2511	2208
## ENSG00000128463.13	3609	4646	4063	4413	4979
## ENSG00000140199.13	1443	1682	1799	1691	1462
## ENSG00000182117.7	5270	6484	5956	6964	7489
## ENSG00000176454.15	1142	1350	1381	1606	1477
## ENSG00000175265.19	410	399	582	445	287
## ENSG00000279092.1	4	6	9	3	6
## ENSG00000259917.1	66	45	52	72	85
## ENSG00000261559.1	21	18	14	20	33
## ENSG00000215252.12	262	369	394	414	268
## ENSG00000159248.5	155	50	179	54	136
## ENSG00000250007.8	12	6	10	3	7
## ENSG00000159251.9	1528	1391	1718	1237	1440
## ENSG00000021776.11	7188	8859	8197	8544	7272
## ENSG00000231409.3	23	17	25	29	32
## ENSG00000198146.4	5691	7975	6738	7107	5482
## ENSG00000259397.3	7	7	5	6	4
## ENSG00000134146.12	858	1022	1021	928	836
## ENSG00000248079.4	6	12	9	15	9
## ENSG00000186073.14	952	1357	1119	1272	1161
## ENSG00000259280.2	6	7	5	8	11

## ENSG00000134138.22	7842	12026	8900	10852	9790
## ENSG00000288808.1	10	21	17	18	10
## ENSG00000274444.1	7	14	8	20	7
## ENSG00000236914.4	40	54	47	63	42
## ENSG00000166068.13	4063	7467	5053	5796	4530
## ENSG00000171262.11	8134	9606	8973	8377	8266
## ENSG00000172575.14	350	223	419	199	314
## ENSG00000286786.1	8	5	10	7	5
## ENSG00000259345.7	15	12	23	12	9
## ENSG00000137801.11	37054	25591	39162	21824	32084
## ENSG00000276107.1	4	11	4	13	6
## ENSG00000150667.8	88	81	91	64	98
## ENSG00000261136.1	19	29	19	26	25
## ENSG00000166073.12	73	72	115	79	73
## ENSG00000128829.12	8257	11323	9865	11587	9859
## ENSG00000140319.11	16642	20267	19426	21705	22155
## ENSG00000248508.10	148	190	165	172	156
## ENSG00000104081.14	5754	8310	6797	8372	6907
## ENSG00000156970.13	5400	6065	6300	6442	5885
## ENSG00000137843.12	755	1002	880	1007	933
## ENSG00000273786.1	12	9	13	6	14
## ENSG00000176753.5	14	21	11	15	23
## ENSG00000137841.12	52	35	79	58	57
## ENSG00000259330.3	1029	1287	1180	1231	1353
## ENSG00000188549.13	19	29	21	43	32
## ENSG00000140323.6	187	110	203	95	191
## ENSG00000128944.14	3669	4278	4303	4118	4491
## ENSG00000128928.10	4005	4942	4920	5177	5005
## ENSG00000140320.12	2082	2078	2444	2393	2674
## ENSG00000169105.8	2442	3005	2922	3224	3713
## ENSG00000259536.5	7	2	2	4	5
## ENSG00000128891.17	574	651	604	679	656
## ENSG00000223313.1	11	11	12	15	16
## ENSG00000166133.18	1466	1544	1597	1583	1815
## ENSG00000137812.21	2114	2395	2543	2477	1912
## ENSG00000245849.8	96	147	118	147	89
## ENSG00000051180.17	1335	1365	1542	1463	1602
## ENSG00000137824.16	2709	3274	2980	3243	3285
## ENSG00000137880.6	195	240	222	213	274
## ENSG00000104129.10	968	1078	1084	1111	1202
## ENSG00000188277.10	49	81	71	65	61
## ENSG00000166140.17	1148	1290	1245	1404	1447
## ENSG00000166143.10	12	15	7	14	11
## ENSG00000261183.7	226	318	248	307	286
## ENSG00000166145.15	17919	24133	20092	22988	24634
## ENSG00000104140.7	130	120	147	159	149
## ENSG00000104142.11	4653	5170	4797	5129	6214
## ENSG00000251161.4	29	41	30	32	21
## ENSG00000128917.8	161	119	179	123	165
## ENSG00000259405.1	7	4	10	6	4
## ENSG00000128965.13	655	822	759	901	962
## ENSG00000128908.19	2198	2711	2658	3026	2201
## ENSG00000157021.9	75	70	92	97	94
## ENSG00000187446.12	11945	16200	15144	16052	14661

## ENSG00000247556.7	13239	16463	15376	14880	14086
## ENSG00000104147.9	101	126	92	93	90
## ENSG00000137804.14	4	8	10	13	6
## ENSG00000137806.10	900	1075	1005	1045	1028
## ENSG00000137815.15	8995	10201	10404	10205	10610
## ENSG00000137825.11	93	81	114	101	156
## ENSG00000062524.16	9	17	34	22	19
## ENSG00000103932.12	4916	5385	5802	5798	6053
## ENSG00000259838.1	2	6	4	7	12
## ENSG00000092445.12	9124	13141	10437	13338	11710
## ENSG00000174197.19	5899	7655	7189	8235	5443
## ENSG00000137802.14	1534	1936	1733	2133	1817
## ENSG00000168970.22	27	38	44	46	35
## ENSG00000137877.10	110	139	113	156	82
## ENSG00000103966.11	4331	4894	4861	4877	5090
## ENSG00000278493.1	20	12	16	9	21
## ENSG00000246740.2	4	6	11	3	7
## ENSG00000166887.16	5572	6471	6528	6776	6073
## ENSG00000103978.17	4230	6157	4648	5836	4289
## ENSG00000214013.10	584	780	741	658	583
## ENSG00000258461.5	1	7	4	5	6
## ENSG00000092529.26	10	11	17	18	4
## ENSG00000103994.18	7048	9293	8693	9554	7452
## ENSG00000092531.10	2464	3518	2900	3560	2944
## ENSG00000180979.10	890	1194	1066	1108	1040
## ENSG00000137814.12	2001	2333	2359	2285	2057
## ENSG00000260490.2	14	22	17	9	23
## ENSG00000159433.12	184	126	271	177	153
## ENSG00000140326.13	1333	1453	1404	1549	1470
## ENSG00000274403.1	1	9	4	5	2
## ENSG00000128881.18	839	971	1045	1049	804
## ENSG00000260799.1	5	5	5	6	11
## ENSG00000159459.12	2357	3170	2959	3485	2332
## ENSG00000205871.5	117	149	152	192	256
## ENSG00000137842.7	1424	1907	1616	1814	1649
## ENSG00000166946.14	1662	2124	1875	2051	2102
## ENSG00000168806.8	1552	1765	1675	1887	1920
## ENSG00000168803.16	728	796	786	781	703
## ENSG00000140265.14	3819	4752	4641	4833	4332
## ENSG00000137822.13	2399	2710	2798	2506	2586
## ENSG00000067369.14	9999	11020	11573	11686	9586
## ENSG00000166963.13	1135	793	1309	865	1171
## ENSG00000168781.24	612	734	738	756	576
## ENSG00000237289.10	281	365	336	366	348
## ENSG00000166762.19	45	54	41	59	29
## ENSG00000275601.1	11	17	9	10	9
## ENSG00000223572.10	295	339	382	366	361
## ENSG00000291053.1	11	12	23	19	13
## ENSG00000167004.14	79291	112822	93336	110413	101978
## ENSG00000128886.12	20	29	36	44	39
## ENSG00000140264.22	15635	20524	17622	22990	25257
## ENSG00000242028.8	16	13	34	39	25
## ENSG00000140259.7	4366	5288	5289	5505	5237
## ENSG00000092470.12	1097	952	1240	1021	1038

## ENSG00000171877.21	760	979	954	988	951
## ENSG00000227973.1	8	8	2	12	5
## ENSG00000185607.5	7	2	2	8	10
## ENSG00000289277.1	4	10	4	8	12
## ENSG00000166734.20	5877	8763	7381	8382	6631
## ENSG00000137770.14	4110	5083	4801	4801	4347
## ENSG00000259563.1	0	3	7	5	6
## ENSG00000179523.7	390	438	420	431	455
## ENSG00000104131.13	10388	12202	11581	11385	11304
## ENSG00000104133.16	4898	6043	5676	6232	4610
## ENSG00000259659.1	8	5	10	3	6
## ENSG00000229474.8	7	10	4	5	4
## ENSG00000166710.23	18010	25795	26421	24776	22014
## ENSG00000185880.13	2769	3191	3129	2967	3231
## ENSG00000290387.1	1777	1954	2119	1658	2136
## ENSG00000140263.15	7486	7153	7922	6967	8279
## ENSG00000140279.13	2545	2237	4025	2685	2861
## ENSG00000140274.14	342	241	574	282	359
## ENSG00000140254.13	19	13	28	25	19
## ENSG00000137857.18	133	172	236	178	210
## ENSG00000138606.20	1762	1572	1921	1551	2271
## ENSG00000259520.6	21	11	18	23	18
## ENSG00000137860.12	61	17	100	22	43
## ENSG00000171766.17	3428	2809	4035	2939	3637
## ENSG00000171763.20	902	869	909	959	886
## ENSG00000166920.13	43	36	30	45	39
## ENSG00000104154.7	372	384	461	418	377
## ENSG00000293154.1	24	24	28	17	19
## ENSG00000104164.12	4877	6776	5836	6024	5162
## ENSG00000137767.14	99	196	121	187	111
## ENSG00000259200.2	8	7	5	6	4
## ENSG00000137872.17	955	1195	1138	1110	899
## ENSG00000213862.4	98	69	73	123	132
## ENSG00000104177.20	3516	4664	4582	4765	3886
## ENSG00000259488.2	5	4	4	8	7
## ENSG00000128951.14	1918	1993	2121	1728	2190
## ENSG00000166147.15	1172	1628	1290	1874	1871
## ENSG00000103995.14	530	634	677	695	524
## ENSG00000185634.12	18	16	34	36	27
## ENSG00000255302.5	14753	18044	16063	14161	18380
## ENSG00000259500.1	7	10	5	10	5
## ENSG00000138593.9	3804	5304	4889	5122	3877
## ENSG00000166200.15	9829	12053	10948	10593	10357
## ENSG00000156958.15	810	998	872	948	812
## ENSG00000166262.16	184	264	228	200	207
## ENSG00000275580.1	13	9	9	12	14
## ENSG00000259531.2	7	8	5	4	10
## ENSG00000140285.12	7	50	37	56	45
## ENSG00000104047.15	1506	1970	1869	1770	1677
## ENSG00000104043.15	40	79	55	87	73
## ENSG00000140284.11	635	916	776	962	737
## ENSG00000104064.18	2234	2947	2677	2774	2605
## ENSG00000285410.1	545	605	587	632	638
## ENSG00000244879.10	704	987	991	1058	779

## ENSG00000138592.14	3619	4595	4301	4629	3722
## ENSG00000170236.16	6	16	12	19	14
## ENSG00000092439.16	3365	4858	4099	5132	3397
## ENSG00000138600.11	3127	4765	3744	4367	3606
## ENSG00000273674.6	9	6	11	9	4
## ENSG00000081014.11	1278	1628	1493	1573	1294
## ENSG00000183578.8	6	9	16	11	12
## ENSG00000137869.16	3	20	3	13	3
## ENSG00000186417.15	2	9	8	5	16
## ENSG00000104093.14	1720	1890	2236	2027	1426
## ENSG00000259668.6	5	14	9	11	5
## ENSG00000104112.9	4402	1983	4843	1736	3960
## ENSG00000140280.14	90	68	110	64	123
## ENSG00000128872.10	1123	817	1227	774	872
## ENSG00000138594.14	6311	8841	7947	8382	6851
## ENSG00000259556.2	22	20	12	15	7
## ENSG00000166477.13	3406	4205	4068	4457	3762
## ENSG00000069956.14	17390	22495	20358	20820	18431
## ENSG00000259438.1	17	17	9	16	16
## ENSG00000274528.1	33	50	39	27	50
## ENSG00000242327.1	21	18	12	29	23
## ENSG00000137875.4	16	8	28	14	13
## ENSG00000069966.19	1669	1851	1904	1755	1944
## ENSG00000259577.2	38	28	59	40	38
## ENSG00000128833.13	2354	3281	2831	3368	2550
## ENSG00000197535.16	2796	3361	3377	3338	2917
## ENSG00000231169.4	13	14	19	26	41
## ENSG00000128989.11	23702	31932	28365	29469	26462
## ENSG00000260618.1	17	13	11	10	6
## ENSG00000047346.13	3147	3545	3521	3490	3025
## ENSG00000169856.9	1992	1661	2164	1529	1833
## ENSG00000259203.4	131	109	130	86	163
## ENSG00000214896.4	5	3	6	5	11
## ENSG00000259612.1	197	197	208	351	377
## ENSG00000166415.15	6147	5098	6520	4266	5468
## ENSG00000280362.1	34	43	33	32	37
## ENSG00000259669.6	14	16	16	22	9
## ENSG00000137766.18	881	1480	1133	1546	860
## ENSG00000279145.2	80	98	117	115	98
## ENSG00000137876.11	11537	15284	12655	13377	14160
## ENSG00000069974.17	913	1020	1054	957	883
## ENSG00000276533.1	4	7	2	7	8
## ENSG00000225973.4	245	285	241	284	297
## ENSG00000069943.10	491	719	562	622	557
## ENSG00000260916.8	531	863	709	766	595
## ENSG00000277548.1	1	8	4	5	8
## ENSG00000261652.3	85	108	93	117	97
## ENSG00000256061.7	71	84	86	70	86
## ENSG00000171016.13	1026	1105	1382	1060	1026
## ENSG00000285805.1	14	10	13	19	17
## ENSG00000166450.13	19018	30031	23276	27638	21387
## ENSG00000069869.17	1455	2250	1770	2079	1474
## ENSG00000230183.4	2	7	5	4	4
## ENSG00000181827.16	4460	5769	5220	5449	4760

## ENSG00000151575.15	951	1216	1014	1063	1107
## ENSG00000138587.6	468	373	571	323	390
## ENSG00000277245.1	8	5	11	5	11
## ENSG00000137871.21	940	1211	1116	1134	945
## ENSG00000274667.1	18	16	11	23	19
## ENSG00000285331.2	84	97	78	97	101
## ENSG00000140262.18	7980	10642	9965	11023	8839
## ENSG00000247982.7	22	29	37	43	24
## ENSG00000128849.11	1628	2067	2087	2227	1802
## ENSG00000240874.1	2	8	3	9	6
## ENSG00000263155.6	199	336	221	348	203
## ENSG00000137878.17	233	474	307	419	302
## ENSG00000255529.9	2646	3921	3212	2895	2972
## ENSG00000128918.15	57	128	130	194	338
## ENSG00000166035.11	587	724	1162	970	567
## ENSG00000259250.1	47	67	73	94	93
## ENSG00000137845.15	16296	23461	20433	23261	17107
## ENSG00000282100.1	27	30	21	42	47
## ENSG00000245975.2	36	42	43	37	46
## ENSG00000128923.11	2158	3013	2716	2601	2079
## ENSG00000157450.16	2948	3838	3509	3820	3197
## ENSG00000137776.17	7356	9904	8786	9809	7663
## ENSG00000157456.8	4794	5474	5524	5467	5796
## ENSG00000259732.1	7	6	7	0	0
## ENSG00000157483.9	4088	5057	4604	4795	4513
## ENSG00000157470.12	44	61	60	41	49
## ENSG00000140297.13	1131	1839	1494	1906	1398
## ENSG00000140307.11	3734	4964	4266	4752	4892
## ENSG00000140299.14	2531	3364	3401	3435	3021
## ENSG00000259657.1	4	0	6	2	6
## ENSG00000234797.5	4027	1618	4184	1532	1840
## ENSG00000182718.18	91403	123565	102910	118864	118817
## ENSG00000128915.12	3827	4777	4381	4618	3801
## ENSG00000245534.7	18	6	14	14	9
## ENSG00000069667.16	275	309	398	349	280
## ENSG00000129003.19	3320	4802	4120	4715	2859
## ENSG00000198535.5	215	99	190	83	158
## ENSG00000205502.4	74	19	51	29	67
## ENSG00000274340.1	20	29	22	35	20
## ENSG00000171914.17	9330	11865	10384	11556	9985
## ENSG00000259370.2	11	27	14	18	17
## ENSG00000259727.1	7	13	7	9	5
## ENSG00000259394.2	11	14	7	19	15
## ENSG00000140416.25	26302	37255	28907	34786	31239
## ENSG00000259498.1	18	9	11	10	5
## ENSG00000103642.12	947	1232	1108	1178	982
## ENSG00000185088.14	7464	11809	9030	12645	11492
## ENSG00000166128.13	3563	4672	4352	4170	3689
## ENSG00000138613.14	1203	1393	1445	1584	1375
## ENSG00000074410.14	289	505	543	687	353
## ENSG00000276651.1	9	6	8	5	8
## ENSG00000140455.17	3686	4983	4464	4837	4530
## ENSG00000259248.7	5	6	14	12	4
## ENSG00000197361.8	25	22	16	17	18

## ENSG00000103657.14	3465	4576	4274	4666	3447
## ENSG00000035664.11	393	696	466	651	453
## ENSG00000166797.11	3612	4565	3920	4164	4262
## ENSG00000028528.15	5478	6460	6216	6723	6361
## ENSG00000157734.14	242	233	296	236	322
## ENSG00000166794.6	24190	32380	26810	31139	33027
## ENSG00000169118.18	2337	3237	2906	3113	2763
## ENSG00000259316.12	8	4	9	4	5
## ENSG00000166803.14	1257	1899	1452	1187	1343
## ENSG00000103671.10	1947	2362	2134	2296	2096
## ENSG00000180357.10	7725	8991	9094	9423	8052
## ENSG00000248415.1	4	3	5	7	5
## ENSG00000180304.14	7194	8574	8537	8187	9508
## ENSG00000264937.1	5	8	2	5	3
## ENSG00000166831.9	2033	2125	2454	2238	3049
## ENSG00000140451.13	149	167	174	190	217
## ENSG00000241839.10	418	433	515	483	580
## ENSG00000166839.18	42	52	56	47	62
## ENSG00000090487.11	7778	8955	8486	8712	9345
## ENSG00000103707.10	1006	1329	1299	1438	1298
## ENSG00000186198.4	69	146	134	202	97
## ENSG00000103710.11	126	78	155	93	91
## ENSG00000246922.10	49	64	50	71	50
## ENSG00000090470.15	2394	2743	2725	2751	2856
## ENSG00000166855.9	4019	4919	4993	5342	4301
## ENSG00000138615.6	1	13	2	11	19
## ENSG00000138617.16	1060	1241	1202	1291	1208
## ENSG00000174498.14	12379	13588	13482	13028	14524
## ENSG00000103742.12	963	1265	1217	1411	1192
## ENSG00000074603.19	2759	3899	3489	3748	2730
## ENSG00000074696.13	31260	42137	36793	41221	37582
## ENSG00000138614.16	4202	5166	4787	5322	4896
## ENSG00000074621.14	714	796	916	855	773
## ENSG00000174485.16	2024	2798	2461	2876	2054
## ENSG00000103769.10	21294	26693	24681	25687	24151
## ENSG00000157890.19	27	28	20	32	34
## ENSG00000166938.13	2996	3437	3257	3262	3206
## ENSG00000075131.10	922	1077	1052	1080	1013
## ENSG00000169032.11	3094	3680	3887	4017	3749
## ENSG00000243404.2	8	5	6	6	8
## ENSG00000261351.2	62	39	41	39	54
## ENSG00000174446.13	1351	1633	1689	1647	1708
## ENSG00000174444.15	206694	239796	226685	231830	253950
## ENSG00000174442.12	3301	4121	3965	3700	3332
## ENSG00000188501.12	61	59	89	45	87
## ENSG00000137834.15	798	1006	995	1058	1061
## ENSG00000270490.1	5	6	7	2	7
## ENSG00000259347.9	21	21	17	30	12
## ENSG00000166949.17	5685	6993	6668	7088	6870
## ENSG00000103591.13	7104	8377	7913	8250	7713
## ENSG00000103599.20	177	176	194	154	158
## ENSG00000259673.6	261	361	356	366	314
## ENSG00000189227.6	243	262	280	285	317
## ENSG00000270964.1	48	85	50	66	60

## ENSG00000137764.20	1270	1487	1505	1456	1562
## ENSG00000188779.12	13	5	8	6	4
## ENSG00000245719.1	8	7	12	7	10
## ENSG00000206625.1	8	8	5	7	7
## ENSG00000033800.14	5401	6259	6629	6835	5534
## ENSG00000260007.3	70	108	99	121	82
## ENSG00000129007.16	6	6	21	12	15
## ENSG00000128973.13	2618	2811	2748	2809	3305
## ENSG00000169018.6	7678	9970	9061	8901	8056
## ENSG00000137809.17	22	42	38	59	35
## ENSG00000103647.13	752	371	917	314	698
## ENSG00000140350.15	25728	29730	30266	28132	30544
## ENSG00000138604.10	1218	1402	1404	1441	1326
## ENSG00000261634.4	5	1	4	5	6
## ENSG00000137819.14	471	998	658	954	649
## ENSG00000259426.6	37	50	48	59	53
## ENSG00000137807.16	3923	4623	4569	4537	4260
## ENSG00000137818.12	66990	89340	84356	94442	134276
## ENSG00000245750.11	290	295	315	271	302
## ENSG00000140332.18	6239	7186	7400	7191	7862
## ENSG00000280639.1	15	18	17	28	13
## ENSG00000137831.15	10323	11373	12938	12157	10533
## ENSG00000166173.11	1628	1898	1780	1986	2089
## ENSG00000137821.12	1364	1360	1557	1272	1351
## ENSG00000259470.2	7	11	12	12	9
## ENSG00000129028.9	396	540	474	502	494
## ENSG00000242276.2	22	28	29	33	37
## ENSG00000187720.15	1333	1381	1618	1478	1378
## ENSG00000259781.1	745	836	936	950	907
## ENSG00000212664.5	52	95	71	104	111
## ENSG00000278570.5	3	4	9	7	4
## ENSG00000260037.5	1	5	5	9	8
## ENSG00000066933.17	2706	4137	3550	4584	2707
## ENSG00000166192.15	405	477	455	462	435
## ENSG00000175318.12	134	133	156	178	148
## ENSG00000067225.21	106118	123047	113323	123846	151123
## ENSG00000137817.17	1742	1923	2111	1976	1826
## ENSG00000213614.11	2608	3856	2813	3638	3144
## ENSG00000261423.3	47	50	42	43	45
## ENSG00000166233.15	8277	10967	10196	10955	9356
## ENSG00000140463.14	1294	1596	1418	1700	1474
## ENSG00000159322.18	4098	5718	4795	6164	5212
## ENSG00000260898.6	3	0	2	7	7
## ENSG00000067141.17	17282	21790	19695	20607	20604
## ENSG00000138622.4	1185	1064	1292	1118	1402
## ENSG00000156642.17	6942	9554	8359	9183	8367
## ENSG00000281183.1	25	39	38	36	17
## ENSG00000103855.18	16249	19622	18062	20225	22303
## ENSG00000205363.7	109	85	139	100	144
## ENSG00000260469.3	8	3	7	8	5
## ENSG00000261801.8	571	568	732	637	676
## ENSG00000129038.16	2774	2301	2901	2337	4018
## ENSG00000067221.14	327	387	311	387	474
## ENSG00000140464.20	1838	2020	2168	1980	2608

## ENSG00000287543.1	5	5	6	8	2
## ENSG00000167178.17	82	35	75	39	51
## ENSG00000248540.3	12	16	22	11	24
## ENSG00000129009.13	0	15	9	22	22
## ENSG00000137868.19	577	483	634	528	730
## ENSG00000140481.15	35	35	56	35	46
## ENSG00000277749.1	9	4	10	5	9
## ENSG00000140459.18	87	61	133	57	128
## ENSG00000293337.1	11	5	5	3	3
## ENSG00000261821.2	5	7	11	11	9
## ENSG00000138623.10	614	726	740	734	739
## ENSG00000138629.16	4631	4985	4875	4596	6042
## ENSG00000247240.10	329	347	328	379	326
## ENSG00000179361.18	8109	8713	9292	8933	9651
## ENSG00000179335.20	3100	3591	3735	4034	3933
## ENSG00000179151.13	4308	5290	4895	5241	5009
## ENSG00000140465.15	536	1158	601	1179	879
## ENSG00000103653.17	4532	4811	5074	4825	6212
## ENSG00000140474.14	1393	1536	1449	1643	1805
## ENSG00000140497.16	4590	5608	5462	5771	5982
## ENSG00000178802.18	2826	3272	3251	3428	3699
## ENSG00000178761.15	918	1204	1012	1201	950
## ENSG00000178741.12	9125	11754	10668	11602	12387
## ENSG00000178718.7	1193	1058	1150	1095	1526
## ENSG00000198794.12	7860	9139	8880	9168	10247
## ENSG00000138621.12	503	610	532	650	619
## ENSG00000240366.1	7	4	6	8	5
## ENSG00000167173.19	5697	6167	6054	6034	7040
## ENSG00000140365.16	2897	3098	3220	3152	4384
## ENSG00000275645.1	3	5	9	7	11
## ENSG00000140398.14	126	162	172	228	200
## ENSG00000140400.18	1396	1448	1555	1604	1653
## ENSG00000260274.2	36	41	28	37	47
## ENSG00000169375.17	7608	8761	9284	9483	8655
## ENSG00000276744.1	6	12	8	5	11
## ENSG00000169410.11	4170	5512	5060	6004	4979
## ENSG00000260269.5	11	13	15	22	3
## ENSG00000169371.14	806	998	791	962	931
## ENSG00000177971.9	2100	2449	2468	2553	2903
## ENSG00000275454.1	5	4	3	7	5
## ENSG00000173548.9	3021	3604	3364	3841	3584
## ENSG00000173546.7	137	156	162	148	189
## ENSG00000203392.3	10	20	15	20	14
## ENSG00000182950.3	7	5	11	4	11
## ENSG00000246877.2	5	8	14	13	15
## ENSG00000140367.12	3756	4716	4207	4347	4035
## ENSG00000167196.14	5786	8684	6599	7935	7548
## ENSG00000169752.17	59	59	58	60	59
## ENSG00000169758.13	22	25	23	24	30
## ENSG00000140374.17	7865	10947	9090	11184	9573
## ENSG00000259581.3	3	7	3	5	10
## ENSG00000159556.10	17	17	21	12	25
## ENSG00000140386.13	1229	1622	1632	1664	1305
## ENSG00000117906.14	15005	23749	18887	20941	18050

## ENSG00000140368.14	7	6	4	2	7
## ENSG00000140391.15	24549	30453	28643	31806	29305
## ENSG00000278991.1	12	18	15	21	13
## ENSG00000269951.1	49	60	36	40	41
## ENSG00000173517.11	3089	4121	3710	4160	2975
## ENSG00000140382.15	3700	4801	4179	4949	3923
## ENSG00000259362.2	16	11	6	12	9
## ENSG00000169783.13	2488	2631	2580	2697	3469
## ENSG00000261143.2	59	76	56	62	103
## ENSG00000167202.12	1770	2160	2092	2390	1838
## ENSG00000183476.13	17	20	19	18	17
## ENSG00000136425.14	1707	1668	1854	1585	2230
## ENSG00000166411.14	913	1032	951	1075	976
## ENSG00000103740.10	3	5	7	7	2
## ENSG00000140403.13	262	209	332	212	245
## ENSG00000140395.9	2805	3426	3177	3725	3578
## ENSG00000259562.2	8	17	12	7	9
## ENSG00000166426.8	218	104	256	152	265
## ENSG00000136381.13	12634	16362	14837	15956	12674
## ENSG00000188266.14	177	187	201	212	203
## ENSG00000041357.16	13753	16751	15242	16583	16137
## ENSG00000169684.13	398	390	447	331	400
## ENSG00000261762.1	137	120	130	93	133
## ENSG00000080644.16	1250	1132	1437	1032	1409
## ENSG00000117971.12	330	259	375	233	326
## ENSG00000259555.1	5	2	9	1	1
## ENSG00000136378.15	6203	6956	6385	7196	8293
## ENSG00000185787.15	32878	41901	38509	42454	39166
## ENSG00000243711.1	5	3	3	10	10
## ENSG00000252061.1	9	14	17	25	18
## ENSG00000103811.18	5472	8757	6046	8905	7039
## ENSG00000058335.16	30	18	34	17	28
## ENSG00000166557.14	6115	7738	6583	7968	7882
## ENSG00000287408.1	3	9	7	5	1
## ENSG00000169330.9	161	156	176	158	133
## ENSG00000136371.11	179	234	178	212	211
## ENSG00000259332.3	9	13	18	8	11
## ENSG00000286813.1	0	3	7	10	3
## ENSG00000180953.11	83	97	74	86	87
## ENSG00000278600.1	43	79	58	68	50
## ENSG00000259642.2	236	272	237	264	303
## ENSG00000086666.19	5124	6845	6059	6543	5946
## ENSG00000103876.14	1776	2262	2071	2181	2421
## ENSG00000259417.3	760	1824	787	1628	944
## ENSG00000259495.3	262	272	299	320	304
## ENSG00000172379.22	3725	3911	4389	4208	4193
## ENSG00000136379.12	2399	3411	2797	3047	2728
## ENSG00000103888.17	745	506	794	516	822
## ENSG00000117899.11	6710	8458	7917	8079	8176
## ENSG00000277782.1	13	11	13	19	31
## ENSG00000140406.4	1909	2064	2130	2082	2518
## ENSG00000156206.14	9	4	5	2	4
## ENSG00000172349.19	9	15	14	20	4
## ENSG00000172345.14	61	123	68	100	68

## ENSG00000259343.9	32	34	29	50	29
## ENSG00000188869.13	18	24	31	19	10
## ENSG00000259692.6	48	61	45	50	49
## ENSG00000183496.6	728	852	910	838	999
## ENSG00000140598.16	1115	1294	1274	1204	1195
## ENSG00000188659.10	133	132	174	143	121
## ENSG00000274376.5	29	37	30	33	45
## ENSG00000278662.6	24	24	29	41	40
## ENSG00000290945.1	59	49	76	73	48
## ENSG00000293320.1	373	685	506	806	818
## ENSG00000278202.1	9	14	11	14	4
## ENSG00000197978.10	206	241	274	247	170
## ENSG00000276710.5	7	0	8	9	4
## ENSG00000290947.1	124	165	155	187	119
## ENSG00000278603.1	5	9	7	4	3
## ENSG00000290948.1	437	446	441	440	441
## ENSG00000182774.13	469	451	480	477	587
## ENSG00000214575.10	59	61	83	59	68
## ENSG00000103723.17	213	121	250	137	248
## ENSG00000259707.1	2	4	9	11	9
## ENSG00000250988.7	38	38	41	40	57
## ENSG00000252690.3	7	6	8	10	8
## ENSG00000156232.7	697	906	857	1003	838
## ENSG00000103942.13	1380	1293	1545	1323	1429
## ENSG00000169612.4	1184	1527	1291	1567	1367
## ENSG00000169609.14	914	1213	1130	1234	1139
## ENSG00000288850.1	5	4	7	7	7
## ENSG00000064726.10	5674	7643	6815	6695	6335
## ENSG00000286872.1	4	6	5	8	3
## ENSG00000136404.16	13	10	18	25	16
## ENSG00000166503.9	8922	11776	10499	10186	10438
## ENSG00000169594.14	53	141	70	176	127
## ENSG00000140600.17	157	138	174	123	204
##	control_rep3				
## ENSG00000227232.6	220				
## ENSG00000233750.3	10				
## ENSG00000268903.1	73				
## ENSG00000269981.1	48				
## ENSG00000241860.7	23				
## ENSG00000279457.4	119				
## ENSG00000292994.1	34				
## ENSG00000290385.1	41				
## ENSG00000293331.1	18				
## ENSG00000225972.1	1626				
## ENSG00000225630.1	993				
## ENSG00000237973.1	543				
## ENSG00000229344.1	45				
## ENSG00000248527.1	4660				
## ENSG00000198744.5	67				
## ENSG00000291215.1	126				
## ENSG00000237491.10	25				
## ENSG00000225880.6	42				
## ENSG00000228794.12	2649				
## ENSG00000272438.1	28				

## ENSG00000230699.2	119
## ENSG00000223764.2	128
## ENSG00000187634.13	131
## ENSG00000188976.11	14225
## ENSG00000187961.15	383
## ENSG00000187583.11	141
## ENSG00000272512.1	23
## ENSG00000188290.11	554
## ENSG00000187608.10	848
## ENSG00000224969.1	12
## ENSG00000188157.15	68225
## ENSG00000291156.1	68
## ENSG00000217801.13	6
## ENSG00000237330.3	35
## ENSG00000131591.18	1128
## ENSG00000285812.1	12
## ENSG00000272141.1	10
## ENSG00000205231.1	14
## ENSG00000162571.14	23
## ENSG00000186891.14	5
## ENSG00000078808.20	12394
## ENSG00000176022.7	3234
## ENSG00000184163.3	28
## ENSG00000260179.1	8
## ENSG00000160087.21	4025
## ENSG00000230415.1	9
## ENSG00000162572.21	72
## ENSG00000131584.19	2939
## ENSG00000169972.13	1179
## ENSG00000127054.22	6024
## ENSG00000240731.1	30
## ENSG00000224051.7	1451
## ENSG00000169962.5	26
## ENSG00000107404.21	3874
## ENSG00000162576.17	2485
## ENSG00000175756.14	5064
## ENSG00000221978.13	3066
## ENSG00000224870.9	1597
## ENSG00000242485.6	5252
## ENSG00000272455.1	187
## ENSG00000235098.9	678
## ENSG00000225905.1	9
## ENSG00000205116.4	187
## ENSG00000225285.1	51
## ENSG00000179403.12	4995
## ENSG00000215915.10	94
## ENSG00000160072.20	2030
## ENSG00000197785.14	4053
## ENSG00000205090.10	132
## ENSG00000160075.12	9328
## ENSG00000215014.5	63
## ENSG00000228594.4	754
## ENSG00000286989.1	6
## ENSG00000272106.1	175

## ENSG00000197530.13	1625
## ENSG00000248333.9	3231
## ENSG00000189339.12	8639
## ENSG00000293187.1	67
## ENSG00000269737.3	30
## ENSG00000008128.23	212
## ENSG00000268575.1	178
## ENSG00000293188.1	230
## ENSG00000290854.1	202
## ENSG00000008130.15	5561
## ENSG00000078369.19	48640
## ENSG00000231050.3	16
## ENSG00000169885.10	6
## ENSG00000178821.13	234
## ENSG00000142609.20	40
## ENSG00000067606.17	3819
## ENSG00000182873.5	248
## ENSG00000162585.17	3055
## ENSG00000157933.11	6421
## ENSG00000287356.1	105
## ENSG00000116151.14	411
## ENSG00000292993.1	206
## ENSG00000157916.20	6275
## ENSG00000157911.11	1495
## ENSG00000149527.18	29
## ENSG00000157881.16	2017
## ENSG00000272449.3	37
## ENSG00000157873.18	44
## ENSG00000225931.3	7
## ENSG00000228037.1	6
## ENSG00000157870.17	3482
## ENSG00000177133.14	893
## ENSG00000142611.17	4228
## ENSG00000272235.1	18
## ENSG00000287828.1	20
## ENSG00000286518.1	8
## ENSG00000130762.15	2692
## ENSG00000272088.1	3
## ENSG00000162591.17	5885
## ENSG00000238260.3	7
## ENSG00000158109.15	7707
## ENSG00000116213.16	1530
## ENSG00000078900.16	112
## ENSG00000293478.1	1822
## ENSG00000162592.10	15
## ENSG00000235169.11	168
## ENSG00000130764.10	6074
## ENSG00000266075.2	5
## ENSG00000272153.1	26
## ENSG00000116198.14	3364
## ENSG00000169598.17	1070
## ENSG00000198912.12	2040
## ENSG00000236423.8	19
## ENSG00000196581.11	40

## ENSG00000131697.18	920
## ENSG00000069424.16	362
## ENSG00000116254.18	14
## ENSG00000116251.11	21588
## ENSG00000226944.1	26
## ENSG00000158286.13	301
## ENSG00000116237.16	16502
## ENSG00000225077.3	52
## ENSG00000158292.7	961
## ENSG00000097021.21	8531
## ENSG00000069812.11	512
## ENSG00000187017.18	916
## ENSG00000215788.11	268
## ENSG00000171680.23	2156
## ENSG00000162408.11	2026
## ENSG00000204859.13	1052
## ENSG00000162413.17	3810
## ENSG00000116273.6	3903
## ENSG00000041988.16	1246
## ENSG00000007923.17	5964
## ENSG00000237436.1	17
## ENSG00000171735.21	4284
## ENSG00000270035.1	5
## ENSG00000269978.1	9
## ENSG00000049245.13	12869
## ENSG00000269925.1	37
## ENSG00000049246.15	258
## ENSG00000049249.10	3000
## ENSG00000116288.13	19670
## ENSG00000284747.1	19
## ENSG00000116285.13	14361
## ENSG00000162426.16	93
## ENSG00000142599.20	9533
## ENSG00000074800.16	235261
## ENSG00000238249.2	5
## ENSG00000197241.4	3
## ENSG00000142583.18	15
## ENSG00000180758.12	503
## ENSG00000228526.8	260
## ENSG00000234546.5	113
## ENSG00000049239.13	6682
## ENSG00000171621.14	1033
## ENSG00000284693.2	29
## ENSG00000171612.7	2885
## ENSG00000231181.1	21
## ENSG00000188807.13	2720
## ENSG00000171608.18	1407
## ENSG00000231789.4	183
## ENSG00000171603.18	22996
## ENSG00000178585.15	11202
## ENSG00000162441.12	6290
## ENSG00000228150.1	22
## ENSG00000173614.14	1608
## ENSG00000162444.12	44

## ENSG00000130939.20	12429
## ENSG00000054523.20	14304
## ENSG00000284735.1	24
## ENSG00000284642.1	46
## ENSG00000142657.21	40807
## ENSG00000251503.8	28
## ENSG00000175279.22	184
## ENSG00000241563.4	8
## ENSG00000160049.12	10689
## ENSG00000142655.13	2357
## ENSG00000130940.15	1834
## ENSG00000272078.1	55
## ENSG00000175262.15	136
## ENSG00000120948.19	26064
## ENSG00000009724.18	125
## ENSG00000116649.10	10550
## ENSG00000171824.14	7578
## ENSG00000230337.3	8
## ENSG00000198793.14	10633
## ENSG00000171819.5	11
## ENSG00000120942.14	2779
## ENSG00000204624.8	226
## ENSG00000116661.11	1867
## ENSG00000132879.14	1679
## ENSG00000116670.16	5447
## ENSG00000116663.11	210
## ENSG00000162490.7	936
## ENSG00000177674.16	3337
## ENSG00000177000.13	1654
## ENSG00000011021.23	1338
## ENSG00000175206.11	8
## ENSG00000120937.9	3808
## ENSG00000285646.2	73
## ENSG00000116685.17	6424
## ENSG00000083444.17	18130
## ENSG00000116688.18	11923
## ENSG00000116691.11	2296
## ENSG00000120949.15	23
## ENSG00000028137.19	27
## ENSG00000048707.15	4346
## ENSG00000162496.9	3489
## ENSG00000288927.2	44
## ENSG00000272482.2	14
## ENSG00000157330.10	56
## ENSG00000116726.5	6
## ENSG00000179172.10	15
## ENSG00000179412.11	4
## ENSG00000162494.6	133
## ENSG00000162493.17	1633
## ENSG00000116731.23	4963
## ENSG00000189337.17	1205
## ENSG00000175147.13	86
## ENSG00000171729.14	1568
## ENSG00000142621.21	287

## ENSG00000236045.1	7
## ENSG00000228140.2	10
## ENSG00000142634.13	2139
## ENSG00000215704.10	5
## ENSG00000132906.18	1407
## ENSG00000116138.13	3322
## ENSG00000116771.6	1010
## ENSG00000237301.1	9
## ENSG00000235084.3	9
## ENSG00000197312.13	6623
## ENSG00000116786.13	6563
## ENSG00000237938.5	9
## ENSG00000162461.8	24
## ENSG00000162460.7	85
## ENSG00000162458.13	12388
## ENSG00000224321.1	39
## ENSG00000233954.7	1065
## ENSG00000178715.8	58
## ENSG00000179743.4	223
## ENSG00000065526.13	10549
## ENSG00000116809.12	2649
## ENSG00000173641.18	37
## ENSG00000186510.12	21
## ENSG00000232456.1	13
## ENSG00000184908.20	81
## ENSG00000185519.9	99
## ENSG00000142627.13	13499
## ENSG00000227959.2	14
## ENSG00000224621.1	16
## ENSG00000142632.17	2514
## ENSG00000291077.1	12
## ENSG00000288398.1	544
## ENSG00000132881.12	415
## ENSG00000037637.11	3493
## ENSG00000055070.17	14335
## ENSG00000226457.1	9
## ENSG00000157191.20	5459
## ENSG00000226029.1	27
## ENSG00000290842.1	61
## ENSG00000233421.5	60
## ENSG00000219481.11	1555
## ENSG00000291072.1	446
## ENSG00000215908.12	106
## ENSG00000186301.8	49
## ENSG00000236698.1	76
## ENSG00000058453.17	1061
## ENSG00000290851.1	34
## ENSG00000228549.5	224
## ENSG00000238142.4	35
## ENSG00000117122.14	6750
## ENSG00000159363.19	7709
## ENSG00000117118.11	4132
## ENSG00000117115.13	36
## ENSG00000142619.4	4

## ENSG00000179051.14	27035
## ENSG00000290096.1	6
## ENSG00000074964.17	2272
## ENSG00000117148.8	40
## ENSG00000117154.12	107
## ENSG00000179023.9	134
## ENSG00000159423.17	4168
## ENSG00000169991.11	4213
## ENSG00000272084.1	27
## ENSG00000127481.15	15012
## ENSG00000230424.3	25
## ENSG00000127463.16	14087
## ENSG00000053372.5	7039
## ENSG00000286064.1	63
## ENSG00000211454.16	14
## ENSG00000162482.5	35
## ENSG00000270728.1	128
## ENSG00000053371.13	4339
## ENSG00000040487.13	2507
## ENSG00000077549.19	27307
## ENSG00000173436.15	1801
## ENSG00000158747.15	1828
## ENSG00000226396.1	78
## ENSG00000158748.4	20
## ENSG00000162542.14	932
## ENSG00000178828.7	7
## ENSG00000169914.6	1955
## ENSG00000188257.12	17
## ENSG00000187980.7	10
## ENSG00000162543.6	961
## ENSG00000158816.16	28
## ENSG00000162545.6	4529
## ENSG00000289402.2	25
## ENSG00000090432.7	3546
## ENSG00000183114.8	34
## ENSG00000158825.6	3
## ENSG00000158828.8	967
## ENSG00000117242.7	860
## ENSG00000244038.11	41094
## ENSG00000117245.13	134
## ENSG00000189410.12	98
## ENSG00000127483.19	11468
## ENSG00000075151.24	14004
## ENSG00000117298.16	12847
## ENSG00000231105.2	3
## ENSG00000227001.3	50
## ENSG00000187952.9	26
## ENSG00000142794.19	744
## ENSG00000162551.14	1362
## ENSG00000076864.21	1639
## ENSG00000090686.16	5912
## ENSG00000187942.12	27
## ENSG00000142798.20	132743
## ENSG00000219073.8	37

## ENSG00000142789.20	29
## ENSG00000218510.9	77
## ENSG00000285752.1	22
## ENSG00000070831.18	322
## ENSG00000162552.15	391
## ENSG00000285873.1	16
## ENSG00000184677.18	4104
## ENSG00000070886.12	101
## ENSG00000133216.17	14381
## ENSG00000004487.18	42299
## ENSG00000169641.15	11840
## ENSG00000179546.5	157
## ENSG00000261326.5	87
## ENSG00000284726.1	22
## ENSG00000125944.22	27366
## ENSG00000125945.16	2059
## ENSG00000249087.9	199
## ENSG00000204219.11	793
## ENSG00000088280.21	8348
## ENSG00000007968.7	1224
## ENSG00000235052.1	7
## ENSG00000117318.9	8508
## ENSG00000142676.14	94033
## ENSG00000236810.8	84
## ENSG00000011007.13	6326
## ENSG00000057757.10	3791
## ENSG00000011009.11	15154
## ENSG00000117308.15	3809
## ENSG00000117305.15	2737
## ENSG00000179163.12	2881
## ENSG00000189266.13	17366
## ENSG00000188529.15	13620
## ENSG00000225315.2	2
## ENSG00000142661.19	13
## ENSG00000142677.4	43
## ENSG00000185436.12	1998
## ENSG00000158055.17	543
## ENSG00000001460.18	1244
## ENSG00000001461.17	2380
## ENSG00000286061.1	24
## ENSG00000117602.13	7034
## ENSG00000184454.7	185
## ENSG00000133226.19	13339
## ENSG00000169504.15	29182
## ENSG00000117614.10	3966
## ENSG00000284602.1	15
## ENSG00000117616.18	605
## ENSG00000272432.1	6
## ENSG00000261349.1	9
## ENSG00000187010.21	5
## ENSG00000224183.1	6
## ENSG00000183726.11	10954
## ENSG00000188672.19	22
## ENSG00000238084.4	8

## ENSG00000204178.11	5148
## ENSG00000157978.12	2237
## ENSG00000225643.1	5
## ENSG00000117643.16	779
## ENSG00000162430.18	26199
## ENSG00000228172.5	34
## ENSG00000117640.18	3440
## ENSG00000127423.11	973
## ENSG00000182749.6	1685
## ENSG00000117632.23	78816
## ENSG00000158006.14	1835
## ENSG00000158008.10	129
## ENSG00000158014.15	122
## ENSG00000158022.7	55
## ENSG00000175087.10	1408
## ENSG00000197245.6	14
## ENSG00000282872.2	37
## ENSG00000236782.8	25
## ENSG00000142675.18	1394
## ENSG00000293494.2	67
## ENSG00000130695.16	3642
## ENSG00000142669.15	8038
## ENSG00000158062.21	1295
## ENSG00000169442.9	11
## ENSG00000176092.17	3517
## ENSG00000131914.11	119989
## ENSG00000117682.18	3196
## ENSG00000223583.1	5
## ENSG00000198830.12	23084
## ENSG00000117676.14	6816
## ENSG00000260063.1	37
## ENSG00000117713.21	15948
## ENSG00000060642.12	1072
## ENSG00000204160.12	3593
## ENSG00000175793.12	131
## ENSG00000142751.15	2402
## ENSG00000289554.1	59
## ENSG00000198746.13	1589
## ENSG00000090273.14	18876
## ENSG00000131910.5	96
## ENSG00000175707.10	1476
## ENSG00000253368.4	4266
## ENSG00000158246.8	2132
## ENSG00000090020.11	3703
## ENSG00000214973.3	8
## ENSG00000225159.1	72
## ENSG00000142784.16	5914
## ENSG00000186501.15	2971
## ENSG00000241547.1	22
## ENSG00000142765.18	1110
## ENSG00000142733.18	445
## ENSG00000174950.11	6
## ENSG00000181773.7	250
## ENSG00000158195.11	16279

## ENSG00000126705.15	3736
## ENSG00000235912.1	22
## ENSG00000126709.16	172
## ENSG00000009780.16	1001
## ENSG00000117758.14	3983
## ENSG00000117751.18	7502
## ENSG00000130775.16	168
## ENSG00000117748.10	4505
## ENSG00000130768.15	1427
## ENSG00000158156.9	1753
## ENSG00000158161.16	6048
## ENSG00000228589.3	84
## ENSG00000169403.12	1171
## ENSG00000126698.11	15649
## ENSG00000290123.1	17
## ENSG00000130770.18	4906
## ENSG00000270605.1	48
## ENSG00000130766.5	7413
## ENSG00000130772.14	1768
## ENSG00000204138.13	7793
## ENSG00000180198.17	9805
## ENSG00000242125.3	3013
## ENSG00000200087.1	30
## ENSG00000279443.1	76
## ENSG00000180098.9	1635
## ENSG00000197989.15	257
## ENSG00000221539.1	10
## ENSG00000120656.14	1951
## ENSG00000188060.8	107
## ENSG00000162419.13	2246
## ENSG00000289291.1	83
## ENSG00000198492.16	18441
## ENSG00000116329.12	46
## ENSG00000159023.23	10808
## ENSG00000225616.2	23
## ENSG00000253304.2	1541
## ENSG00000116350.18	9526
## ENSG00000116353.16	1976
## ENSG00000060656.20	12084
## ENSG00000162510.6	9
## ENSG00000186056.11	9
## ENSG00000162511.8	30
## ENSG00000162512.16	8870
## ENSG00000134644.16	16619
## ENSG00000084628.10	4733
## ENSG00000060688.13	7062
## ENSG00000121766.16	7335
## ENSG00000121769.8	1215
## ENSG00000168528.12	10596
## ENSG00000215899.3	5
## ENSG00000284543.1	12
## ENSG00000229167.2	12
## ENSG00000142910.16	636
## ENSG00000121764.12	1

## ENSG00000162517.13	6046
## ENSG00000235790.7	2
## ENSG00000084636.18	115
## ENSG00000121753.13	889
## ENSG00000134668.13	49
## ENSG00000184007.22	20082
## ENSG00000121774.18	32579
## ENSG00000121775.18	996
## ENSG00000025800.14	10837
## ENSG00000084652.16	7581
## ENSG00000160050.16	857
## ENSG00000160051.12	518
## ENSG00000160055.20	586
## ENSG00000084623.12	31986
## ENSG00000291132.1	250
## ENSG00000290045.1	15
## ENSG00000183615.6	33
## ENSG00000182866.18	153
## ENSG00000116478.12	13275
## ENSG00000175130.7	65118
## ENSG00000225828.2	44
## ENSG00000160058.19	7252
## ENSG00000273274.2	320
## ENSG00000160062.15	1089
## ENSG00000176261.16	2085
## ENSG00000162521.19	33207
## ENSG00000162520.15	17
## ENSG00000162522.11	14968
## ENSG00000134684.13	19270
## ENSG00000116497.18	3631
## ENSG00000160097.21	299
## ENSG00000121905.10	192
## ENSG00000121900.19	758
## ENSG00000287691.1	5
## ENSG00000116514.17	2183
## ENSG00000004455.18	16010
## ENSG00000142920.18	225
## ENSG00000278997.1	18
## ENSG00000116525.14	481
## ENSG00000160094.15	3080
## ENSG00000270115.1	5
## ENSG00000225313.5	66
## ENSG00000134686.21	12841
## ENSG00000222112.1	8
## ENSG00000233246.1	10
## ENSG00000121903.15	1226
## ENSG00000121904.19	69
## ENSG00000163866.9	3180
## ENSG00000189433.7	5
## ENSG00000188910.8	13
## ENSG00000187513.9	51
## ENSG00000116544.12	182
## ENSG00000284773.1	41
## ENSG00000293382.1	44

## ENSG00000243749.2	96
## ENSG00000163867.17	714
## ENSG00000197056.11	2179
## ENSG00000116560.12	42478
## ENSG00000146463.12	15045
## ENSG00000229994.1	42
## ENSG00000142687.19	6195
## ENSG00000020129.16	2923
## ENSG00000116819.9	13
## ENSG00000126067.12	17281
## ENSG00000142686.8	1099
## ENSG00000092853.14	3405
## ENSG00000134698.11	2668
## ENSG00000092847.14	11726
## ENSG00000126070.20	1958
## ENSG00000092850.12	253
## ENSG00000116863.11	2246
## ENSG00000171812.13	9
## ENSG00000054116.12	4825
## ENSG00000116871.16	10655
## ENSG00000054118.15	21982
## ENSG00000214193.11	174
## ENSG00000196182.11	6841
## ENSG00000181817.6	2627
## ENSG00000116885.18	1229
## ENSG00000116898.12	8890
## ENSG00000119535.20	151
## ENSG00000163873.10	304
## ENSG00000233621.3	70
## ENSG00000163874.11	753
## ENSG00000163875.16	5696
## ENSG00000163877.11	2137
## ENSG00000237749.4	36
## ENSG00000163879.11	5338
## ENSG00000134697.13	9940
## ENSG00000116922.15	2399
## ENSG00000134690.11	6102
## ENSG00000183317.17	58
## ENSG00000185090.15	856
## ENSG00000196449.4	2444
## ENSG00000197982.14	2300
## ENSG00000188786.10	1922
## ENSG00000204084.14	1332
## ENSG00000183431.12	16254
## ENSG00000212541.1	10
## ENSG00000183386.10	1494
## ENSG00000183520.12	4125
## ENSG00000185668.8	27
## ENSG00000224592.5	33
## ENSG00000215895.4	43
## ENSG00000116954.8	1293
## ENSG00000228436.4	36
## ENSG00000214114.9	2881
## ENSG00000174574.16	15231

## ENSG00000168653.11	21620
## ENSG00000127603.32	25543
## ENSG00000183682.8	73
## ENSG00000237624.1	7
## ENSG00000291129.1	24
## ENSG00000090621.15	22408
## ENSG00000228060.3	24
## ENSG00000163909.8	49
## ENSG00000116983.13	4
## ENSG00000084072.17	5291
## ENSG00000116985.12	107
## ENSG00000043514.17	3425
## ENSG00000116990.12	2626
## ENSG00000236546.1	8
## ENSG00000168389.18	432
## ENSG00000228477.1	38
## ENSG00000131236.18	36632
## ENSG00000131238.18	16975
## ENSG00000117000.9	5600
## ENSG00000259943.2	419
## ENSG00000084073.10	11294
## ENSG00000049089.15	1372
## ENSG00000227311.3	15
## ENSG00000084070.12	4605
## ENSG00000187801.15	451
## ENSG00000260920.2	402
## ENSG00000279667.1	13
## ENSG00000187815.10	498
## ENSG00000238287.1	7
## ENSG00000164002.12	429
## ENSG00000238186.1	54
## ENSG00000117010.17	239
## ENSG00000117016.10	1745
## ENSG00000237899.1	6
## ENSG00000272145.2	43
## ENSG00000066136.21	3106
## ENSG00000117013.17	142
## ENSG00000179862.7	1462
## ENSG00000171793.17	13166
## ENSG00000281207.1	40
## ENSG00000171790.16	19
## ENSG00000010803.17	4247
## ENSG00000291157.1	5
## ENSG00000204060.8	218
## ENSG00000127129.10	26
## ENSG00000127124.16	466
## ENSG00000230638.4	8
## ENSG00000044012.4	37
## ENSG00000197273.4	0
## ENSG00000198815.9	6475
## ENSG00000177181.15	329
## ENSG00000066185.13	56
## ENSG00000127125.9	2950
## ENSG00000186409.19	570

## ENSG00000236876.3	15
## ENSG00000171960.12	1859
## ENSG00000285728.3	70
## ENSG00000065978.19	136299
## ENSG00000164007.11	619
## ENSG00000117385.16	8277
## ENSG00000164008.17	665
## ENSG00000274386.6	57
## ENSG00000177868.12	1643
## ENSG00000164010.15	643
## ENSG00000228192.10	180
## ENSG00000164011.18	1205
## ENSG00000117394.24	11627
## ENSG00000227533.7	8
## ENSG00000186973.11	82
## ENSG00000117395.13	8269
## ENSG00000243710.8	167
## ENSG00000179178.11	1168
## ENSG00000253313.6	1113
## ENSG00000066056.14	31
## ENSG00000117400.18	15
## ENSG00000234694.2	11
## ENSG00000117399.14	13130
## ENSG00000066322.15	7794
## ENSG00000288772.2	9
## ENSG00000159479.17	2759
## ENSG00000229431.1	5
## ENSG00000198198.17	2117
## ENSG00000142949.17	78374
## ENSG00000066135.13	7212
## ENSG00000236200.7	52
## ENSG00000126091.21	86
## ENSG00000117407.17	24
## ENSG00000237950.3	7
## ENSG00000288573.3	7
## ENSG00000117408.11	4463
## ENSG00000285649.1	3
## ENSG00000132768.14	4668
## ENSG00000117410.14	10014
## ENSG00000117411.18	8909
## ENSG00000159214.13	648
## ENSG00000196517.13	2397
## ENSG00000230615.8	101
## ENSG00000233514.1	23
## ENSG00000178028.14	2345
## ENSG00000117419.16	9007
## ENSG00000187147.19	5476
## ENSG00000126106.14	762
## ENSG00000198520.12	31
## ENSG00000142945.13	5393
## ENSG00000142937.12	136791
## ENSG00000200913.1	12
## ENSG00000234093.3	21
## ENSG00000142959.5	103

## ENSG00000173846.13	735
## ENSG00000188396.4	6
## ENSG00000222009.9	108
## ENSG00000117425.14	59
## ENSG00000226499.1	5
## ENSG00000070785.17	2803
## ENSG00000126107.15	3436
## ENSG00000126088.14	4739
## ENSG00000162415.7	731
## ENSG00000281912.1	18
## ENSG00000186603.7	1532
## ENSG00000132781.21	108
## ENSG00000132773.12	1448
## ENSG00000070759.17	1176
## ENSG00000280670.3	260
## ENSG00000132763.15	1819
## ENSG00000117450.15	49176
## ENSG00000117448.14	13724
## ENSG00000289407.1	33
## ENSG00000132780.17	37897
## ENSG00000159588.15	13
## ENSG00000159592.11	11005
## ENSG00000234329.1	25
## ENSG00000159596.7	2531
## ENSG00000197429.11	1538
## ENSG00000230896.1	135
## ENSG00000086015.23	5848
## ENSG00000117461.15	7144
## ENSG00000227857.2	7
## ENSG00000117472.10	1190
## ENSG00000085998.15	8139
## ENSG00000171357.6	13
## ENSG00000085999.13	2329
## ENSG00000132128.18	13705
## ENSG00000173660.12	20581
## ENSG00000117481.11	2993
## ENSG00000117480.16	911
## ENSG00000291138.1	6
## ENSG00000269956.2	5
## ENSG00000079277.22	1438
## ENSG00000142961.16	136
## ENSG00000123472.13	6808
## ENSG00000159658.15	6849
## ENSG00000186377.8	212
## ENSG00000225506.2	17
## ENSG00000162367.12	25
## ENSG00000123473.17	3018
## ENSG00000162368.15	19700
## ENSG00000225762.1	23
## ENSG00000186790.6	68
## ENSG00000237424.1	468
## ENSG00000186564.6	151
## ENSG00000227947.2	5
## ENSG00000269113.4	1414

## ENSG00000225028.1	10
## ENSG00000117834.13	30
## ENSG00000132122.12	1411
## ENSG00000235105.1	26
## ENSG00000186094.18	17
## ENSG00000162373.13	509
## ENSG00000162374.18	336
## ENSG00000185104.21	4302
## ENSG00000230585.2	5
## ENSG00000123080.12	15
## ENSG00000123091.5	9914
## ENSG00000233406.5	12
## ENSG00000085831.16	1278
## ENSG00000085832.18	5574
## ENSG00000117859.19	17422
## ENSG00000078618.23	22930
## ENSG00000266993.3	12
## ENSG00000169213.7	16781
## ENSG00000117862.13	1877
## ENSG00000198841.4	642
## ENSG00000134717.18	12299
## ENSG00000157077.16	7767
## ENSG00000228407.2	21
## ENSG00000154222.15	2638
## ENSG00000287078.1	11
## ENSG00000224680.4	29
## ENSG00000085840.13	3355
## ENSG00000134748.13	7293
## ENSG00000134744.14	5919
## ENSG00000116157.6	1872
## ENSG00000182183.15	18
## ENSG00000162377.6	3949
## ENSG00000162378.13	4958
## ENSG00000228929.1	122
## ENSG00000203995.11	54
## ENSG00000121310.17	809
## ENSG00000116171.19	6733
## ENSG00000174348.14	164
## ENSG00000162383.13	7
## ENSG00000157184.7	2256
## ENSG00000236723.2	2
## ENSG00000162384.14	1890
## ENSG00000162385.11	4722
## ENSG00000226754.3	36
## ENSG00000157193.18	1355
## ENSG00000058804.12	12631
## ENSG00000058799.15	3932
## ENSG00000211452.12	195
## ENSG00000081870.12	1439
## ENSG00000116212.16	7090
## ENSG00000219102.3	40
## ENSG00000203985.11	20
## ENSG00000116209.12	12141
## ENSG00000116205.14	1545

## ENSG00000215883.11	501
## ENSG00000116221.15	10815
## ENSG00000157216.17	10193
## ENSG00000198711.5	21
## ENSG00000162390.18	221
## ENSG00000162391.12	210
## ENSG00000243725.7	330
## ENSG00000162396.6	1489
## ENSG00000006555.11	63
## ENSG00000116133.13	64132
## ENSG00000233203.6	17
## ENSG00000143001.5	30
## ENSG00000169174.12	5374
## ENSG00000162402.15	10016
## ENSG00000162407.9	1665
## ENSG00000162409.12	1786
## ENSG00000187889.13	42
## ENSG00000157131.12	6
## ENSG00000021852.14	22
## ENSG00000173406.16	964
## ENSG00000162600.12	1009
## ENSG00000286918.1	7
## ENSG00000184292.7	529
## ENSG00000185839.3	31
## ENSG00000162601.12	1762
## ENSG00000177606.9	3998
## ENSG00000234807.8	6
## ENSG00000232453.7	7
## ENSG00000224609.8	8
## ENSG00000172456.18	470
## ENSG00000134709.13	5642
## ENSG00000134716.11	128
## ENSG00000162598.13	8
## ENSG00000162599.18	32
## ENSG00000162604.13	985
## ENSG00000132849.22	7414
## ENSG00000240563.2	17045
## ENSG00000132854.19	5133
## ENSG00000162607.13	9641
## ENSG00000116641.18	9456
## ENSG00000132855.5	20
## ENSG00000235545.1	65
## ENSG00000125703.15	1253
## ENSG00000088035.18	2145
## ENSG00000142856.17	2122
## ENSG00000203965.13	637
## ENSG00000116652.6	12
## ENSG00000079739.17	5437
## ENSG00000185483.13	2937
## ENSG00000158966.16	7427
## ENSG00000162437.15	4776
## ENSG00000162434.14	7005
## ENSG00000162433.15	11982
## ENSG00000116675.16	1701

## ENSG00000213625.9	5831
## ENSG00000116678.20	1481
## ENSG00000237852.1	8
## ENSG00000184588.18	61
## ENSG00000118473.23	113
## ENSG00000152760.10	98
## ENSG00000152763.17	507
## ENSG00000198160.15	3939
## ENSG00000289394.1	3
## ENSG00000116704.8	4308
## ENSG00000203963.12	18
## ENSG00000275678.1	13
## ENSG00000162594.17	11
## ENSG00000081985.14	35
## ENSG00000142864.15	65936
## ENSG00000116717.13	5599
## ENSG00000172380.6	7115
## ENSG00000232284.9	117
## ENSG00000162595.8	107
## ENSG00000116729.14	27107
## ENSG00000234383.1	8
## ENSG00000229133.1	21
## ENSG00000024526.17	4205
## ENSG00000233589.1	10
## ENSG00000234264.1	7
## ENSG00000285407.1	10
## ENSG00000223883.2	11
## ENSG00000033122.21	1483
## ENSG00000237919.5	5
## ENSG00000066557.6	5558
## ENSG00000116754.14	19678
## ENSG00000118454.13	2897
## ENSG00000197568.15	548
## ENSG00000226088.1	30
## ENSG00000116761.12	2343
## ENSG00000271992.1	34
## ENSG00000050628.21	81
## ENSG00000132485.14	9180
## ENSG00000207721.1	10
## ENSG00000229956.11	31
## ENSG00000172260.15	429
## ENSG00000233994.2	8
## ENSG00000286863.2	6
## ENSG00000162620.16	122
## ENSG00000259030.8	8
## ENSG00000254685.8	1067
## ENSG00000178965.14	133
## ENSG00000272864.1	11
## ENSG00000116791.14	6516
## ENSG00000162623.16	3066
## ENSG00000137968.17	626
## ENSG00000213579.3	0
## ENSG00000117054.15	5661
## ENSG00000137955.16	5726

## ENSG00000057468.7	3
## ENSG00000184005.12	3154
## ENSG00000272855.1	3
## ENSG00000226415.1	243
## ENSG00000117069.15	1403
## ENSG00000230498.3	10
## ENSG00000142892.15	3830
## ENSG00000226084.5	242
## ENSG00000289212.1	7
## ENSG00000154027.19	266
## ENSG00000036549.13	6840
## ENSG00000077254.14	10744
## ENSG00000180488.17	1197
## ENSG00000219201.4	49
## ENSG00000235927.4	11
## ENSG00000162614.19	1634
## ENSG00000162613.18	20414
## ENSG00000162616.9	1432
## ENSG00000137960.6	1015
## ENSG00000285928.1	15
## ENSG00000122420.10	1
## ENSG00000162618.15	7
## ENSG00000230787.1	16
## ENSG00000229752.1	6
## ENSG00000117114.21	19030
## ENSG00000227288.3	38
## ENSG00000233008.8	2
## ENSG00000137941.17	1582
## ENSG00000271576.2	59
## ENSG00000142875.21	8349
## ENSG00000226970.2	3
## ENSG00000203943.9	294
## ENSG00000117133.11	5226
## ENSG00000174021.12	5212
## ENSG00000122432.19	6
## ENSG00000117151.13	905
## ENSG00000284882.2	9
## ENSG00000289881.1	17
## ENSG00000117155.17	5962
## ENSG00000171517.6	572
## ENSG00000153898.13	49
## ENSG00000162643.13	990
## ENSG00000055732.13	288
## ENSG00000280099.1	76
## ENSG00000097096.10	921
## ENSG00000162642.14	1737
## ENSG00000142867.14	1478
## ENSG00000223653.6	9
## ENSG00000153904.21	4482
## ENSG00000282057.1	19
## ENSG00000142871.18	7362
## ENSG00000117174.11	4045
## ENSG00000171502.15	667
## ENSG00000285210.1	8

## ENSG00000122417.16	2978
## ENSG00000137975.8	14
## ENSG00000016490.16	270
## ENSG00000236915.3	21
## ENSG00000097033.15	8533
## ENSG00000230721.1	9
## ENSG00000183291.18	12159
## ENSG00000153936.18	8966
## ENSG00000235251.2	6
## ENSG00000267272.5	43
## ENSG00000143013.13	10306
## ENSG00000237505.8	66
## ENSG00000065243.20	7171
## ENSG00000241975.1	12
## ENSG00000137947.12	2788
## ENSG00000235308.1	1
## ENSG00000137944.18	4888
## ENSG00000213516.10	2258
## ENSG00000117226.12	162
## ENSG00000117228.11	198
## ENSG00000234518.2	108
## ENSG00000162645.13	120
## ENSG00000162654.9	13
## ENSG00000183347.15	9
## ENSG00000286548.1	61
## ENSG00000197147.15	3705
## ENSG00000231999.8	52
## ENSG00000171488.15	569
## ENSG00000272931.1	61
## ENSG00000171492.14	7826
## ENSG00000228175.3	110
## ENSG00000162664.17	5272
## ENSG00000287406.1	21
## ENSG00000233593.12	146
## ENSG00000285532.2	5
## ENSG00000232882.1	10
## ENSG00000122482.22	7901
## ENSG00000162669.16	81
## ENSG00000097046.13	3513
## ENSG00000203914.4	22
## ENSG00000069702.11	2234
## ENSG00000289483.1	82
## ENSG00000172031.7	103
## ENSG00000230667.7	113
## ENSG00000189195.15	482
## ENSG00000174842.17	2074
## ENSG00000122484.9	3098
## ENSG00000162676.13	22
## ENSG00000067208.17	2549
## ENSG00000122406.14	188487
## ENSG00000154511.12	1356
## ENSG00000207523.1	3
## ENSG00000143033.18	7844
## ENSG00000117500.13	10790

## ENSG00000122483.18	1145
## ENSG00000223745.8	250
## ENSG00000229567.1	9
## ENSG00000117505.13	6571
## ENSG00000137942.18	26063
## ENSG00000137936.18	1275
## ENSG00000224093.7	201
## ENSG00000260464.1	45
## ENSG00000067334.14	10170
## ENSG00000023909.10	3435
## ENSG00000198691.14	92
## ENSG00000137962.13	4102
## ENSG00000226835.4	18
## ENSG00000117528.14	12442
## ENSG00000117525.14	6410
## ENSG00000288736.2	34
## ENSG00000293271.1	1069
## ENSG00000143036.17	5672
## ENSG00000117519.16	42586
## ENSG00000235501.8	1435
## ENSG00000172339.10	826
## ENSG00000152078.10	4664
## ENSG00000271092.5	47
## ENSG00000226026.7	17
## ENSG00000122481.17	295
## ENSG00000228852.6	15
## ENSG00000287919.1	6
## ENSG00000237954.7	14
## ENSG00000228502.1	612
## ENSG00000137970.7	1309
## ENSG00000117569.20	3457
## ENSG00000188641.14	393
## ENSG00000228057.1	55
## ENSG00000225206.12	30
## ENSG00000285922.1	9
## ENSG00000226053.1	52
## ENSG00000162627.17	3697
## ENSG00000117598.14	369
## ENSG00000227034.1	9
## ENSG00000117600.14	68
## ENSG00000224445.3	11
## ENSG00000099260.12	6235
## ENSG00000156869.14	1016
## ENSG00000162688.17	4574
## ENSG00000228084.3	11
## ENSG00000117620.15	929
## ENSG00000283761.1	17
## ENSG00000288826.1	21
## ENSG00000156875.14	375
## ENSG00000156876.10	1481
## ENSG00000122435.11	940
## ENSG00000122477.14	19
## ENSG00000137992.15	4330
## ENSG00000224616.5	126

## ENSG00000137996.13	3796
## ENSG00000079335.20	1137
## ENSG00000162692.12	82
## ENSG00000162694.14	4024
## ENSG00000273204.1	13
## ENSG00000162695.12	3266
## ENSG00000117543.22	5467
## ENSG00000235795.1	8
## ENSG00000233184.9	327
## ENSG00000170989.10	20
## ENSG00000183298.5	49
## ENSG00000118733.17	27
## ENSG00000060718.22	1705
## ENSG00000185946.16	534
## ENSG00000240038.8	30
## ENSG00000237897.2	6
## ENSG00000232952.1	10
## ENSG00000198890.9	4600
## ENSG00000162631.20	90
## ENSG00000224550.1	34
## ENSG00000134215.16	233
## ENSG00000085491.17	12248
## ENSG00000260879.1	40
## ENSG00000162636.16	1105
## ENSG00000162639.16	341
## ENSG00000285923.1	1
## ENSG00000290126.1	23
## ENSG00000134186.12	7938
## ENSG00000143107.10	37
## ENSG00000116266.11	2284
## ENSG00000121957.15	1230
## ENSG00000121940.17	3824
## ENSG00000085433.17	1282
## ENSG00000244716.3	238
## ENSG00000228665.2	17
## ENSG00000197780.11	2889
## ENSG00000273382.1	61
## ENSG00000215717.7	4365
## ENSG00000179902.13	62
## ENSG00000116299.17	738
## ENSG00000031698.13	20736
## ENSG00000143126.8	4989
## ENSG00000134222.16	2988
## ENSG00000221986.7	7
## ENSG00000134243.12	14168
## ENSG00000143106.13	12710
## ENSG00000143028.9	33
## ENSG00000162650.17	465
## ENSG00000174151.15	1213
## ENSG00000181754.7	986
## ENSG00000290117.1	5
## ENSG00000065135.12	14917
## ENSG00000134183.13	52
## ENSG00000116337.20	5874

## ENSG00000235045.2	5
## ENSG00000168765.19	3198
## ENSG00000213366.13	1300
## ENSG00000134201.12	5
## ENSG00000241720.2	11
## ENSG00000134202.12	6467
## ENSG00000198758.11	846
## ENSG00000184371.14	987
## ENSG00000168710.18	19063
## ENSG00000143093.15	4003
## ENSG00000258634.3	895
## ENSG00000197106.7	18
## ENSG00000116396.15	318
## ENSG00000227963.2	30
## ENSG00000162775.17	1594
## ENSG00000224699.11	81
## ENSG00000168679.18	343
## ENSG00000273373.1	90
## ENSG00000134248.14	4155
## ENSG00000235407.1	5
## ENSG00000177301.16	26
## ENSG00000177272.10	100
## ENSG00000261654.1	35
## ENSG00000232811.1	76
## ENSG00000121931.16	2339
## ENSG00000273010.1	8
## ENSG00000156171.15	6300
## ENSG00000134255.16	3445
## ENSG00000162777.17	694
## ENSG00000064886.14	181
## ENSG00000173947.14	2663
## ENSG00000234020.1	26
## ENSG00000085465.13	260
## ENSG00000260948.1	142
## ENSG00000233337.1	62
## ENSG00000243960.1	34
## ENSG00000116455.14	8815
## ENSG00000116459.11	22674
## ENSG00000143110.12	15
## ENSG00000116473.15	5300
## ENSG00000231346.5	1
## ENSG00000197852.12	2818
## ENSG00000227811.3	63
## ENSG00000284830.1	15
## ENSG00000064703.13	4639
## ENSG00000171385.11	536
## ENSG00000231437.3	13
## ENSG00000143079.15	6176
## ENSG00000134245.18	191
## ENSG00000273483.1	9
## ENSG00000007341.19	810
## ENSG00000116489.13	17503
## ENSG00000155363.19	7926
## ENSG00000155366.17	9433

## ENSG00000155367.16	189
## ENSG00000184599.14	30
## ENSG00000215866.9	92
## ENSG00000224167.3	9
## ENSG00000155380.13	32844
## ENSG00000229020.4	5
## ENSG00000226419.8	120
## ENSG00000238198.2	16
## ENSG00000198799.12	2295
## ENSG00000081026.19	1906
## ENSG00000232499.2	44
## ENSG00000116793.16	3540
## ENSG00000232450.1	71
## ENSG00000081019.14	4528
## ENSG00000226167.1	5
## ENSG00000134262.14	465
## ENSG00000118655.8	1715
## ENSG00000163349.22	7404
## ENSG00000116774.12	2640
## ENSG00000134207.17	192
## ENSG00000197323.12	8313
## ENSG00000236480.1	22
## ENSG00000116752.6	4134
## ENSG00000175984.16	2668
## ENSG00000213281.5	21328
## ENSG00000009307.17	116635
## ENSG00000052723.12	5364
## ENSG00000134200.4	9
## ENSG00000134198.10	9131
## ENSG00000228035.1	11
## ENSG00000134259.6	48
## ENSG00000173218.15	4498
## ENSG00000118729.13	29
## ENSG00000177551.5	54
## ENSG00000214204.4	6
## ENSG00000163393.13	118
## ENSG00000221040.2	7
## ENSG00000287217.1	28
## ENSG00000163399.16	91619
## ENSG00000203865.13	217
## ENSG00000233154.6	8
## ENSG00000224950.2	6
## ENSG00000116815.16	287
## ENSG00000177173.5	19
## ENSG00000143061.18	10159
## ENSG00000134247.10	7709
## ENSG00000134256.13	108
## ENSG00000236137.1	13
## ENSG00000116830.12	4760
## ENSG00000134253.10	1698
## ENSG00000134258.18	678
## ENSG00000271427.1	6
## ENSG00000198162.12	11452
## ENSG00000183508.5	1423

## ENSG00000228217.1	15
## ENSG00000196505.11	2593
## ENSG00000065183.16	9978
## ENSG00000155761.14	56
## ENSG00000116874.12	3050
## ENSG00000231365.7	789
## ENSG00000227712.3	11
## ENSG00000232650.6	9
## ENSG00000116882.15	3
## ENSG00000203855.7	8
## ENSG00000260941.1	21
## ENSG00000198857.3	27
## ENSG00000143067.5	3455
## ENSG00000092621.13	50545
## ENSG00000134240.12	10561
## ENSG00000134193.15	91
## ENSG00000134250.21	21849
## ENSG00000265808.4	6323
## ENSG00000290569.1	29
## ENSG00000270231.5	904
## ENSG00000293296.1	5
## ENSG00000275131.4	68
## ENSG00000290999.1	25
## ENSG00000286106.3	11
## ENSG00000273136.9	589
## ENSG00000226067.7	154
## ENSG00000188610.12	310
## ENSG00000171943.12	746
## ENSG00000227082.3	3
## ENSG00000272583.2	29
## ENSG00000291141.1	63
## ENSG00000277702.1	40
## ENSG00000232721.3	34
## ENSG00000273213.4	159
## ENSG00000263513.6	72
## ENSG00000289318.2	23
## ENSG00000270872.2	57
## ENSG00000266338.7	2231
## ENSG00000288905.2	67
## ENSG00000196369.12	358
## ENSG00000215784.6	112
## ENSG00000290867.1	108
## ENSG00000281571.2	51
## ENSG00000223612.3	73
## ENSG00000162825.18	309
## ENSG00000291005.1	48
## ENSG00000117262.19	641
## ENSG00000174827.14	779
## ENSG00000117281.16	12
## ENSG00000265491.5	4719
## ENSG00000186141.10	4071
## ENSG00000186364.12	88
## ENSG00000131788.16	1985
## ENSG00000198483.13	18

## ENSG00000143127.13	21
## ENSG00000131779.11	1708
## ENSG00000293505.1	43
## ENSG00000265241.8	7700
## ENSG00000234222.6	6
## ENSG00000271601.4	462
## ENSG00000272031.3	35
## ENSG00000121851.13	921
## ENSG00000265972.6	6466
## ENSG00000233396.9	264
## ENSG00000271425.9	265
## ENSG00000264343.7	72
## ENSG00000290578.1	35
## ENSG00000287978.1	29
## ENSG00000268043.9	991
## ENSG00000230832.3	14
## ENSG00000131791.8	5224
## ENSG00000293279.1	104
## ENSG00000131781.13	317
## ENSG00000180867.12	273
## ENSG00000226015.2	93
## ENSG00000131778.20	143
## ENSG00000278811.4	33
## ENSG00000116128.12	7451
## ENSG00000289419.1	29
## ENSG00000162836.12	858
## ENSG00000265107.3	39
## ENSG00000188092.15	555
## ENSG00000290705.1	9
## ENSG00000274372.5	6
## ENSG00000263956.8	613
## ENSG00000198658.4	6
## ENSG00000232265.8	91
## ENSG00000227733.12	33
## ENSG00000274020.4	112
## ENSG00000291232.1	49
## ENSG00000225871.2	2
## ENSG00000280649.2	71
## ENSG00000270629.7	332
## ENSG00000286019.2	104
## ENSG00000178104.22	3651
## ENSG00000269713.9	2505
## ENSG00000274265.5	53
## ENSG00000289614.2	15
## ENSG00000291233.1	27
## ENSG00000215861.9	5
## ENSG00000286219.2	69
## ENSG00000271383.9	17
## ENSG00000291158.1	186
## ENSG00000275557.1	65
## ENSG00000203814.7	9
## ENSG00000233030.2	2
## ENSG00000290791.1	38
## ENSG00000290792.1	232

## ENSG00000184678.11	327
## ENSG00000184260.6	62
## ENSG00000178096.9	502
## ENSG00000159164.10	2683
## ENSG00000143368.10	8212
## ENSG00000014914.21	64
## ENSG00000264522.6	4830
## ENSG00000285184.5	676
## ENSG00000136631.16	3112
## ENSG00000023902.14	7472
## ENSG00000285554.1	29
## ENSG00000143401.15	15609
## ENSG00000118298.12	962
## ENSG00000117362.13	18248
## ENSG00000118292.9	48
## ENSG00000159208.16	133
## ENSG00000266472.6	5734
## ENSG00000117360.13	4815
## ENSG00000163125.16	7163
## ENSG00000143374.18	3468
## ENSG00000143369.15	103
## ENSG00000228126.1	12
## ENSG00000143382.16	1685
## ENSG00000143384.14	28877
## ENSG00000143420.19	14940
## ENSG00000288880.2	56
## ENSG00000143457.11	3754
## ENSG00000163131.12	94
## ENSG00000143387.14	143
## ENSG00000143437.21	3992
## ENSG00000143379.13	5107
## ENSG00000143418.20	14633
## ENSG00000143412.10	615
## ENSG00000143409.18	836
## ENSG00000143363.17	3130
## ENSG00000163141.20	29
## ENSG00000143443.10	438
## ENSG00000197622.13	12341
## ENSG00000213190.4	14812
## ENSG00000143458.12	406
## ENSG00000261168.1	18
## ENSG00000143434.17	1377
## ENSG00000163156.12	2623
## ENSG00000163155.12	1270
## ENSG00000163157.15	33
## ENSG00000163159.15	7338
## ENSG00000143398.20	9716
## ENSG00000159352.16	14099
## ENSG00000232671.8	23
## ENSG00000143373.18	5422
## ENSG00000143393.17	6249
## ENSG00000143390.18	4991
## ENSG00000237976.2	185
## ENSG00000143416.21	4188

## ENSG00000159377.11	20650
## ENSG00000143442.24	9618
## ENSG00000143375.15	7813
## ENSG00000143367.17	2684
## ENSG00000223861.1	5
## ENSG00000143376.14	3894
## ENSG00000159409.15	840
## ENSG00000178796.13	42
## ENSG00000143436.11	3609
## ENSG00000143450.19	77
## ENSG00000249602.1	20
## ENSG00000182134.17	1260
## ENSG00000203288.6	13
## ENSG00000225556.2	28
## ENSG00000234614.1	127
## ENSG00000196407.12	98
## ENSG00000159445.13	1765
## ENSG00000197747.9	47702
## ENSG00000229021.2	14
## ENSG00000163191.6	23286
## ENSG00000159450.13	18
## ENSG00000197915.7	4
## ENSG00000203785.9	13
## ENSG00000244094.2	1624
## ENSG00000163220.11	0
## ENSG00000238279.3	10
## ENSG00000197956.10	13883
## ENSG00000196154.12	1212
## ENSG00000188015.10	167
## ENSG00000196754.13	28
## ENSG00000285867.1	76
## ENSG00000188643.11	10036
## ENSG00000189334.9	3197
## ENSG00000189171.15	2272
## ENSG00000271853.5	14
## ENSG00000160678.12	19
## ENSG00000272030.1	4
## ENSG00000160679.14	8594
## ENSG00000143553.11	2447
## ENSG00000143621.17	47701
## ENSG00000169418.10	99
## ENSG00000143624.14	8185
## ENSG00000143554.14	1689
## ENSG00000143614.11	3456
## ENSG00000223599.1	3
## ENSG00000284738.2	6
## ENSG00000198837.10	3991
## ENSG00000289935.1	10
## ENSG00000160741.17	2269
## ENSG00000143570.19	214
## ENSG00000282386.1	60
## ENSG00000273026.1	59
## ENSG00000143578.16	1412
## ENSG00000143543.15	1424

## ENSG00000272654.2	96
## ENSG00000143545.10	2662
## ENSG00000177954.14	69436
## ENSG00000143552.10	14
## ENSG00000231416.1	1
## ENSG00000143549.22	72454
## ENSG00000163263.7	7
## ENSG00000143612.21	18709
## ENSG00000143569.20	27386
## ENSG00000143575.16	5315
## ENSG00000143595.13	42
## ENSG00000143515.20	5027
## ENSG00000226855.1	15
## ENSG00000160712.13	1859
## ENSG00000169291.10	8
## ENSG00000160714.10	9167
## ENSG00000286391.3	7
## ENSG00000160716.6	521
## ENSG00000160710.18	38932
## ENSG00000287064.1	4
## ENSG00000143603.19	248
## ENSG00000163344.6	2263
## ENSG00000163346.17	8683
## ENSG00000163348.4	6081
## ENSG00000271380.1	15
## ENSG00000160691.19	10676
## ENSG00000173207.13	7528
## ENSG00000160688.19	5170
## ENSG00000289103.2	6
## ENSG00000160685.14	3739
## ENSG00000163354.15	11
## ENSG00000163357.11	23
## ENSG00000232093.1	65
## ENSG00000143537.14	8243
## ENSG00000243364.8	2241
## ENSG00000143590.14	388
## ENSG00000169242.12	1009
## ENSG00000169241.19	2933
## ENSG00000179085.8	673
## ENSG00000163463.13	139
## ENSG00000163462.19	1075
## ENSG00000185499.17	1376
## ENSG00000231064.9	31
## ENSG00000169231.13	1428
## ENSG00000173171.15	1890
## ENSG00000291137.1	49
## ENSG00000236675.1	193
## ENSG00000177628.16	2765
## ENSG00000160767.23	5430
## ENSG00000116521.11	4673
## ENSG00000176444.19	2995
## ENSG00000143630.10	187
## ENSG00000160752.15	14489
## ENSG00000225855.7	146

## ENSG00000160753.17	3275
## ENSG00000116539.14	3326
## ENSG00000235919.5	63
## ENSG00000125459.18	1176
## ENSG00000271267.1	7
## ENSG00000223503.1	11
## ENSG00000246203.2	23
## ENSG00000163374.20	3665
## ENSG00000132676.16	10816
## ENSG00000203761.5	156
## ENSG00000116580.20	5629
## ENSG00000132718.9	5370
## ENSG00000143622.12	3223
## ENSG00000132680.11	3373
## ENSG00000116584.22	7514
## ENSG00000273002.1	25
## ENSG00000285677.2	48
## ENSG00000163479.14	24629
## ENSG00000160803.8	10264
## ENSG00000116586.12	3649
## ENSG00000132698.15	6446
## ENSG00000254726.3	17459
## ENSG00000160789.24	6526
## ENSG00000196189.14	84
## ENSG00000160785.14	4182
## ENSG00000260238.6	35
## ENSG00000160783.19	1453
## ENSG00000160781.17	62
## ENSG00000198952.8	15564
## ENSG00000163472.19	338
## ENSG00000198715.13	3628
## ENSG00000163468.15	57241
## ENSG00000163467.12	29
## ENSG00000132677.13	5
## ENSG00000125462.20	14
## ENSG00000116604.19	2414
## ENSG00000183856.11	4714
## ENSG00000163382.13	9048
## ENSG00000272068.1	11
## ENSG00000132692.19	28
## ENSG00000272405.1	153
## ENSG00000229953.1	23
## ENSG00000132688.11	26247
## ENSG00000143320.9	10237
## ENSG00000223356.1	5
## ENSG00000143319.17	7324
## ENSG00000143303.12	1496
## ENSG00000143314.12	2834
## ENSG00000143321.19	60921
## ENSG00000143294.15	8152
## ENSG00000027869.12	159
## ENSG00000198400.14	40
## ENSG00000027644.5	56
## ENSG00000187800.14	26

## ENSG00000132694.19	4496
## ENSG00000237842.2	10
## ENSG00000224520.2	298
## ENSG00000117036.12	4342
## ENSG00000271736.2	9
## ENSG00000183853.18	11021
## ENSG00000227295.2	11
## ENSG00000158473.8	30
## ENSG00000236257.1	6
## ENSG00000231434.1	25
## ENSG00000163565.20	650
## ENSG00000163568.16	87
## ENSG00000162706.13	805
## ENSG00000213088.13	21
## ENSG00000132703.4	2
## ENSG00000158716.9	1472
## ENSG00000272668.2	3
## ENSG00000213085.10	237
## ENSG00000158710.15	61115
## ENSG00000085552.18	10372
## ENSG00000143315.8	2611
## ENSG00000162729.14	4870
## ENSG00000018625.15	121
## ENSG00000143318.13	58
## ENSG00000162734.13	7846
## ENSG00000132716.19	3328
## ENSG00000228606.4	41
## ENSG00000224261.2	21
## ENSG00000162735.19	5880
## ENSG00000122218.17	30729
## ENSG00000235082.2	20
## ENSG00000162736.18	13935
## ENSG00000171786.6	34
## ENSG00000162738.7	12548
## ENSG00000026751.17	432
## ENSG00000122223.13	33
## ENSG00000179914.5	156
## ENSG00000213080.3	107
## ENSG00000198358.4	29
## ENSG00000158764.7	343
## ENSG00000158769.19	16495
## ENSG00000270149.5	11
## ENSG00000215845.11	830
## ENSG00000158773.14	4759
## ENSG00000186517.14	22
## ENSG00000143217.9	102
## ENSG00000162755.14	453
## ENSG00000143256.5	3276
## ENSG00000158793.14	2523
## ENSG00000158796.17	2048
## ENSG00000143222.12	8434
## ENSG00000224985.1	141
## ENSG00000143258.17	3060
## ENSG00000143224.18	1276

## ENSG00000158850.15	5528
## ENSG00000158859.10	34
## ENSG00000158864.13	12520
## ENSG00000158869.11	38
## ENSG00000158874.11	4165
## ENSG00000158882.15	2641
## ENSG00000143257.12	119
## ENSG00000248485.2	79
## ENSG00000158887.19	118
## ENSG00000143252.16	11145
## ENSG00000289106.2	338
## ENSG00000188931.4	670
## ENSG00000288670.1	294
## ENSG00000283696.1	48
## ENSG00000288093.1	10
## ENSG00000215840.3	17
## ENSG00000143226.16	35
## ENSG00000173110.8	30
## ENSG00000244682.8	11
## ENSG00000225217.1	3
## ENSG00000072694.22	9
## ENSG00000162746.15	41
## ENSG00000226889.4	58
## ENSG00000081721.12	1444
## ENSG00000118217.7	6379
## ENSG00000162745.11	283
## ENSG00000198929.13	280
## ENSG00000254706.3	10
## ENSG00000171722.13	6
## ENSG00000239887.6	1037
## ENSG00000152332.16	4306
## ENSG00000117143.14	3576
## ENSG00000272574.1	6
## ENSG00000162733.19	255
## ENSG00000132196.16	2427
## ENSG00000185860.14	39
## ENSG00000117152.14	21653
## ENSG00000143248.13	3123
## ENSG00000232995.7	21
## ENSG00000143228.13	1462
## ENSG00000213070.3	8
## ENSG00000185630.20	23243
## ENSG00000269887.1	17
## ENSG00000162761.14	660
## ENSG00000143171.13	44
## ENSG00000143198.13	12286
## ENSG00000143149.13	9266
## ENSG00000143183.18	11490
## ENSG00000224358.1	9
## ENSG00000143179.16	5628
## ENSG00000236364.4	26
## ENSG00000188859.7	2152
## ENSG00000230898.1	5
## ENSG00000229588.3	116

## ENSG00000215835.2	42
## ENSG00000290604.1	58
## ENSG00000232341.2	10
## ENSG00000143157.12	8685
## ENSG00000152382.6	2515
## ENSG00000143195.13	314
## ENSG00000272205.2	8
## ENSG00000143190.23	5523
## ENSG00000198821.12	23
## ENSG00000143162.9	3427
## ENSG00000198771.11	5
## ENSG00000197965.12	21446
## ENSG00000143199.18	32
## ENSG00000143158.11	5058
## ENSG00000143164.16	4373
## ENSG00000224837.1	32
## ENSG00000143147.15	4473
## ENSG00000143155.13	4123
## ENSG00000213064.10	4537
## ENSG00000143178.13	128
## ENSG00000143184.5	10
## ENSG00000143153.14	31296
## ENSG00000143156.14	2174
## ENSG00000117475.14	1550
## ENSG00000117477.13	474
## ENSG00000117479.15	3009
## ENSG00000234604.2	5
## ENSG00000213062.5	246
## ENSG00000198734.12	285
## ENSG00000000460.17	1927
## ENSG00000188404.10	10
## ENSG00000171806.12	694
## ENSG00000000457.14	798
## ENSG00000075945.13	3187
## ENSG00000203740.4	9
## ENSG00000231407.6	4
## ENSG00000120370.14	716
## ENSG00000231424.3	7
## ENSG00000010932.17	21
## ENSG00000076258.10	143
## ENSG00000285665.1	18
## ENSG00000117523.18	32326
## ENSG00000233328.3	43
## ENSG00000230364.1	38
## ENSG00000117533.15	671
## ENSG00000010165.20	5762
## ENSG00000197959.15	32
## ENSG00000230630.5	3
## ENSG00000135845.10	2858
## ENSG00000180999.11	4
## ENSG00000094975.15	6805
## ENSG00000117586.11	145
## ENSG00000203739.6	125
## ENSG00000117592.9	42568

## ENSG00000183831.7	140
## ENSG00000289426.1	213
## ENSG00000076321.11	1391
## ENSG00000225591.2	6
## ENSG00000120334.16	917
## ENSG00000117593.12	4332
## ENSG00000234741.10	20219
## ENSG00000270084.2	37
## ENSG00000185278.16	808
## ENSG00000117601.15	84
## ENSG00000135870.12	3824
## ENSG00000224977.2	6
## ENSG00000227373.6	10
## ENSG00000152061.24	2404
## ENSG00000287697.1	11
## ENSG00000116161.18	11728
## ENSG00000120333.4	2430
## ENSG00000120332.17	28
## ENSG00000235750.10	1652
## ENSG00000116147.18	216
## ENSG00000227740.2	5
## ENSG00000230777.1	23
## ENSG00000143207.21	6639
## ENSG00000228686.2	18
## ENSG00000236021.4	9
## ENSG00000116183.11	565
## ENSG00000152092.16	112
## ENSG00000198797.7	17
## ENSG00000293477.1	73
## ENSG00000224687.2	38
## ENSG00000075391.18	2270
## ENSG00000213058.3	447
## ENSG00000213057.5	29
## ENSG00000273384.1	7
## ENSG00000273062.1	42
## ENSG00000116191.19	6879
## ENSG00000116199.12	6786
## ENSG00000186283.14	4389
## ENSG00000143322.22	4852
## ENSG00000057252.13	13731
## ENSG00000162779.22	3
## ENSG00000236539.3	7
## ENSG00000227141.2	7
## ENSG00000162782.16	22
## ENSG00000143340.7	619
## ENSG00000229407.5	80
## ENSG00000231966.1	16
## ENSG00000169905.13	9089
## ENSG00000272906.1	12
## ENSG00000143337.19	5626
## ENSG00000260360.2	7
## ENSG00000135837.17	7579
## ENSG00000116260.17	25809
## ENSG00000121454.6	64

## ENSG00000230124.8	3415
## ENSG00000143324.14	20333
## ENSG00000225857.5	7
## ENSG00000135835.12	58
## ENSG00000243155.1	6
## ENSG00000135823.14	3290
## ENSG00000153029.16	161
## ENSG00000162783.11	692
## ENSG00000198216.14	37
## ENSG00000179930.6	14
## ENSG00000231684.3	6
## ENSG00000135821.19	48153
## ENSG00000135828.11	663
## ENSG00000143333.7	1896
## ENSG00000261504.1	10
## ENSG00000135824.13	50
## ENSG00000135838.14	218
## ENSG00000287808.1	41
## ENSG00000135829.17	47912
## ENSG00000176855.11	9
## ENSG00000135862.6	148145
## ENSG00000224468.3	20
## ENSG00000058085.15	16094
## ENSG00000157064.11	643
## ENSG00000287929.1	29
## ENSG00000232860.10	54
## ENSG00000116698.22	11953
## ENSG00000116701.16	65
## ENSG00000286966.1	8
## ENSG00000162704.16	16676
## ENSG00000143344.16	3004
## ENSG00000198756.12	170
## ENSG00000198860.14	2679
## ENSG00000271387.1	6
## ENSG00000116667.15	1385
## ENSG00000285847.2	8
## ENSG00000116406.20	5341
## ENSG00000135842.17	629
## ENSG00000121481.11	3620
## ENSG00000121486.12	4050
## ENSG00000116668.13	878
## ENSG00000231084.2	30
## ENSG00000213051.3	28
## ENSG00000279838.1	21
## ENSG00000116679.16	15684
## ENSG00000273004.1	81
## ENSG00000143341.12	1153
## ENSG00000116690.13	2
## ENSG00000047410.14	18255
## ENSG00000157181.16	3021
## ENSG00000229739.4	11
## ENSG00000073756.13	300
## ENSG00000116711.10	407
## ENSG00000230426.5	20

## ENSG00000162670.11	67
## ENSG00000237457.6	9
## ENSG00000226723.2	21
## ENSG00000231767.5	206
## ENSG00000116741.8	1795
## ENSG00000116750.14	4290
## ENSG00000116747.13	4449
## ENSG00000023572.10	924
## ENSG00000134371.14	6091
## ENSG00000162630.6	111
## ENSG00000233057.1	27
## ENSG00000162687.19	647
## ENSG00000000971.17	3
## ENSG00000143278.5	18
## ENSG00000066279.19	4454
## ENSG00000177888.8	2461
## ENSG00000213047.13	1232
## ENSG00000235582.2	19
## ENSG00000203724.11	51
## ENSG00000151414.15	1677
## ENSG00000116833.14	8030
## ENSG00000229220.1	6
## ENSG00000203721.8	56
## ENSG00000230623.8	117
## ENSG00000162702.8	7390
## ENSG00000118193.12	2141
## ENSG00000118197.14	1234
## ENSG00000118200.15	7616
## ENSG00000163362.11	5922
## ENSG00000116852.15	1525
## ENSG00000229191.1	59
## ENSG00000081248.12	8
## ENSG00000232237.5	80
## ENSG00000116857.17	9370
## ENSG00000163395.17	17
## ENSG00000118194.21	3
## ENSG00000159166.15	6879
## ENSG00000282221.1	304
## ENSG00000159173.20	403
## ENSG00000174307.7	4434
## ENSG00000159176.14	23598
## ENSG00000224536.2	21
## ENSG00000293257.1	14
## ENSG00000134369.16	7254
## ENSG00000231871.5	13
## ENSG00000235121.1	3
## ENSG00000198700.10	18299
## ENSG00000198892.7	247
## ENSG00000163431.14	186
## ENSG00000134375.11	6903
## ENSG00000176393.11	13121
## ENSG00000234678.2	329
## ENSG00000163435.16	7705
## ENSG00000170075.10	42

## ENSG00000143862.8	3171
## ENSG00000133067.18	138
## ENSG00000077152.12	3330
## ENSG00000077157.23	2667
## ENSG00000232626.4	6
## ENSG00000236439.4	78
## ENSG00000143858.12	1194
## ENSG00000117139.18	36975
## ENSG00000235449.2	11
## ENSG00000228288.9	210
## ENSG00000293466.1	4
## ENSG00000291234.1	777
## ENSG00000214796.10	53
## ENSG00000293264.1	100
## ENSG00000183155.5	1228
## ENSG00000117153.16	4483
## ENSG00000230280.2	11
## ENSG00000159346.13	8893
## ENSG00000159348.13	2880
## ENSG00000163444.12	8845
## ENSG00000143847.16	29
## ENSG00000163485.18	93
## ENSG00000133048.13	2677
## ENSG00000231507.4	7
## ENSG00000159388.6	17854
## ENSG00000122176.12	476
## ENSG00000188783.6	10
## ENSG00000058668.16	22787
## ENSG00000236035.2	2
## ENSG00000257315.4	56
## ENSG00000058673.17	44
## ENSG00000182004.13	10936
## ENSG00000232917.5	13
## ENSG00000143842.15	2977
## ENSG00000143845.15	1499
## ENSG00000143839.15	3
## ENSG00000170498.10	16
## ENSG00000174567.8	270
## ENSG00000143850.16	2772
## ENSG00000219133.2	21
## ENSG00000226330.1	5
## ENSG00000158615.10	7200
## ENSG00000288934.2	6
## ENSG00000133056.14	3039
## ENSG00000198625.14	2672
## ENSG00000240710.1	9
## ENSG00000170382.12	1190
## ENSG00000240219.1	20
## ENSG00000163531.17	1452
## ENSG00000174529.7	230
## ENSG00000117222.14	3867
## ENSG00000133059.18	3249
## ENSG00000133069.17	824
## ENSG00000163545.11	6617

## ENSG00000162873.15	131
## ENSG00000235363.1	356
## ENSG00000186007.10	94
## ENSG00000281406.2	340
## ENSG00000224717.1	65
## ENSG00000117266.16	1621
## ENSG00000174514.13	144
## ENSG00000158711.14	1605
## ENSG00000158715.6	1044
## ENSG00000069275.13	73696
## ENSG00000117280.13	2493
## ENSG00000133065.11	4504
## ENSG00000286619.1	6
## ENSG00000162877.13	83
## ENSG00000174502.19	2191
## ENSG00000276600.5	44
## ENSG00000196188.12	2885
## ENSG00000196550.11	211
## ENSG00000266028.8	4324
## ENSG00000263528.8	980
## ENSG00000266094.8	708
## ENSG00000234981.1	17
## ENSG00000143486.16	5982
## ENSG00000237605.3	20
## ENSG00000143479.18	1089
## ENSG00000162889.11	10040
## ENSG00000224114.1	482
## ENSG00000162892.16	3
## ENSG00000226945.1	1
## ENSG00000162896.6	45
## ENSG00000182795.13	7270
## ENSG00000123836.15	1687
## ENSG00000180667.11	3419
## ENSG00000123843.13	88
## ENSG00000123838.11	19
## ENSG00000196352.18	4227
## ENSG00000117322.19	47
## ENSG00000203710.12	8
## ENSG00000117335.21	9115
## ENSG00000203709.14	7
## ENSG00000076356.7	3118
## ENSG00000230937.13	63
## ENSG00000008118.10	32
## ENSG00000196878.15	285
## ENSG00000123689.6	21
## ENSG00000009790.15	9
## ENSG00000162757.4	53
## ENSG00000117595.13	1758
## ENSG00000117597.18	2621
## ENSG00000143469.21	301
## ENSG00000203706.9	87
## ENSG00000082497.12	570
## ENSG00000228110.4	11
## ENSG00000054392.13	1624

## ENSG00000143473.14	42
## ENSG00000234004.4	25
## ENSG00000226986.4	8
## ENSG00000117625.14	1968
## ENSG00000082512.15	246
## ENSG00000153363.15	369
## ENSG00000236809.2	44
## ENSG00000198570.7	46
## ENSG00000170385.10	3141
## ENSG00000117650.13	3319
## ENSG00000123684.13	8426
## ENSG00000143493.13	3337
## ENSG00000143476.18	4222
## ENSG00000220749.4	7514
## ENSG00000226251.8	17
## ENSG00000066027.12	7696
## ENSG00000225338.1	49
## ENSG00000065600.13	2388
## ENSG00000287445.1	21
## ENSG00000117691.10	3438
## ENSG00000260805.3	62
## ENSG00000288007.1	24
## ENSG00000162772.18	4015
## ENSG00000123685.9	35
## ENSG00000117697.15	3512
## ENSG00000203705.11	764
## ENSG00000198468.11	40
## ENSG00000162769.13	4436
## ENSG00000143494.16	1585
## ENSG00000174606.14	2848
## ENSG00000136643.12	3013
## ENSG00000230461.10	112
## ENSG00000117707.17	2488
## ENSG00000274895.1	8
## ENSG00000143499.14	3539
## ENSG00000152104.12	6768
## ENSG00000117724.15	19117
## ENSG00000082482.14	62
## ENSG00000136636.13	8335
## ENSG00000042781.14	45
## ENSG00000196482.18	1101
## ENSG00000092978.11	2341
## ENSG00000162814.11	425
## ENSG00000067533.6	4576
## ENSG00000232480.3	17
## ENSG00000092969.12	10253
## ENSG00000228063.4	7
## ENSG00000143353.12	1584
## ENSG00000225920.2	1
## ENSG00000287676.1	12
## ENSG00000215817.9	20
## ENSG00000196660.12	681
## ENSG00000136628.18	27687
## ENSG00000162813.18	3486

## ENSG00000067704.10	17243
## ENSG00000232134.1	20
## ENSG00000118873.17	6171
## ENSG00000218283.2	1783
## ENSG00000232883.1	11
## ENSG00000116141.17	786
## ENSG00000162817.7	1295
## ENSG00000117791.16	372
## ENSG00000186205.14	2457
## ENSG00000221571.3	6
## ENSG00000289142.1	13
## ENSG00000136630.13	5
## ENSG00000286398.1	0
## ENSG00000143507.18	1224
## ENSG00000228437.5	8
## ENSG00000276997.4	8
## ENSG00000143498.18	1029
## ENSG00000225265.2	160
## ENSG00000154305.18	7085
## ENSG00000272750.1	126
## ENSG00000186063.13	7542
## ENSG00000162819.12	3658
## ENSG00000154309.9	1315
## ENSG00000187554.14	125
## ENSG00000143502.16	432
## ENSG00000203697.12	40
## ENSG00000162909.18	27158
## ENSG00000143514.18	11374
## ENSG00000288999.2	16
## ENSG00000188460.4	9
## ENSG00000291068.1	253
## ENSG00000290989.1	48
## ENSG00000278467.1	4
## ENSG00000143756.12	5382
## ENSG00000236773.1	6
## ENSG00000143753.14	6696
## ENSG00000237101.1	11
## ENSG00000143748.18	3652
## ENSG00000143771.12	7367
## ENSG00000162923.18	11773
## ENSG00000143786.8	158
## ENSG00000185842.16	845
## ENSG00000143815.15	16876
## ENSG00000154380.19	36984
## ENSG00000289602.1	12
## ENSG00000143742.14	36399
## ENSG00000143819.13	6487
## ENSG00000242861.1	53
## ENSG00000196187.12	4006
## ENSG00000243709.1	25
## ENSG00000143811.20	2135
## ENSG00000143751.10	2985
## ENSG00000272562.2	9
## ENSG00000163041.13	19872

## ENSG0000022518.3	17
## ENSG00000182827.9	4741
## ENSG00000185155.12	44
## ENSG00000183814.16	1192
## ENSG00000143799.14	41532
## ENSG00000229965.1	44
## ENSG00000203685.11	81
## ENSG00000143772.11	778
## ENSG00000143801.18	42
## ENSG00000163050.18	23
## ENSG00000143776.20	4247
## ENSG00000181450.18	2333
## ENSG00000143740.15	3334
## ENSG00000081692.13	1285
## ENSG00000286389.2	28
## ENSG00000143816.8	366
## ENSG00000143761.17	36419
## ENSG00000143793.13	1226
## ENSG00000162910.19	1527
## ENSG00000280157.1	5
## ENSG00000143774.18	6053
## ENSG00000198835.4	61
## ENSG00000181873.13	814
## ENSG00000162913.10	31
## ENSG00000154358.23	2133
## ENSG00000269934.3	43
## ENSG00000270110.2	23
## ENSG00000287315.1	136
## ENSG00000154370.16	3005
## ENSG00000231563.3	16
## ENSG00000162931.12	250
## ENSG00000181218.6	587
## ENSG00000196890.5	35
## ENSG00000168159.15	11441
## ENSG00000234975.6	56
## ENSG00000116574.6	10407
## ENSG00000177788.7	684
## ENSG00000168118.12	6616
## ENSG00000154429.11	1792
## ENSG00000143632.15	394
## ENSG00000069248.12	10668
## ENSG00000135776.5	4040
## ENSG00000135801.11	2864
## ENSG00000135763.10	4296
## ENSG00000213028.3	4
## ENSG00000143641.10	10644
## ENSG00000177614.11	913
## ENSG00000135775.14	4486
## ENSG00000135744.9	637
## ENSG00000244137.1	11
## ENSG00000135773.13	80
## ENSG00000119280.17	14458
## ENSG00000223393.2	62
## ENSG00000143643.13	2592

## ENSG00000173409.14	976
## ENSG00000182118.8	1380
## ENSG00000227934.1	5
## ENSG00000119283.16	43
## ENSG00000143633.13	1862
## ENSG00000116906.13	9739
## ENSG00000116903.7	1639
## ENSG00000010072.16	1687
## ENSG00000135766.9	651
## ENSG00000287856.1	7
## ENSG00000233461.6	287
## ENSG00000116918.15	2779
## ENSG00000162946.24	352
## ENSG00000116991.12	6487
## ENSG00000212916.6	534
## ENSG00000135778.12	5450
## ENSG00000135749.20	1911
## ENSG00000231940.1	12
## ENSG00000143674.11	2553
## ENSG00000289305.1	16
## ENSG00000135750.15	1070
## ENSG00000225486.1	6
## ENSG00000183780.13	71
## ENSG00000235605.1	5
## ENSG00000231663.3	16
## ENSG00000168275.16	1713
## ENSG00000059588.10	2277
## ENSG00000168264.11	15537
## ENSG00000224939.1	7
## ENSG00000227630.4	27
## ENSG00000238005.5	16
## ENSG00000280587.3	33
## ENSG00000273416.1	9
## ENSG00000173726.11	44392
## ENSG00000207181.1	13
## ENSG00000188739.15	91
## ENSG00000054267.22	5764
## ENSG00000152904.11	2426
## ENSG00000285053.1	725
## ENSG00000284770.2	32
## ENSG00000162885.14	4448
## ENSG00000168243.11	3950
## ENSG00000143669.16	1408
## ENSG00000235674.2	6
## ENSG00000116962.15	15734
## ENSG00000077585.14	2864
## ENSG00000086619.15	8603
## ENSG00000186197.15	3112
## ENSG00000116977.19	9073
## ENSG00000223776.5	398
## ENSG00000273058.2	24
## ENSG00000230325.1	16
## ENSG00000119285.11	9841
## ENSG00000077522.15	14

## ENSG00000116984.15	3897
## ENSG00000237991.3	21
## ENSG00000198626.18	283
## ENSG00000133019.12	91
## ENSG00000155816.21	288
## ENSG00000228818.1	20
## ENSG00000180875.5	194
## ENSG00000182901.18	186
## ENSG00000286496.1	3
## ENSG00000287516.1	13
## ENSG00000091483.8	12538
## ENSG00000117009.12	13
## ENSG00000054277.14	760
## ENSG00000203668.3	2599
## ENSG00000287513.1	9
## ENSG00000229022.1	20
## ENSG00000174371.17	2682
## ENSG00000197769.6	11
## ENSG00000180287.17	876
## ENSG00000230199.1	21
## ENSG00000291217.1	8
## ENSG00000143702.16	7673
## ENSG00000054282.16	2257
## ENSG00000117020.19	4392
## ENSG00000179456.12	2053
## ENSG00000035687.10	5569
## ENSG00000179397.18	12
## ENSG00000121644.19	7368
## ENSG00000203667.10	47
## ENSG00000153187.21	88844
## ENSG00000272195.1	12
## ENSG00000203666.13	775
## ENSG00000162849.16	3090
## ENSG00000185420.19	1547
## ENSG00000162851.8	1942
## ENSG00000162852.14	3993
## ENSG00000260698.1	10
## ENSG00000143653.10	6450
## ENSG00000223519.9	10
## ENSG00000260855.1	87
## ENSG00000227953.7	37
## ENSG00000153207.16	11038
## ENSG00000197472.15	494
## ENSG00000135747.11	33
## ENSG00000277462.2	2090
## ENSG00000188295.15	1772
## ENSG00000286747.1	46
## ENSG00000221953.5	71
## ENSG00000196418.13	1835
## ENSG00000224014.1	6
## ENSG00000215795.2	8
## ENSG00000259865.1	143
## ENSG00000290124.1	18
## ENSG00000227671.5	519

## ENSG00000290683.1	81
## ENSG00000214144.3	26
## ENSG00000202079.1	3
## ENSG00000162714.13	7450
## ENSG00000289234.2	1675
## ENSG00000286216.1	7
## ENSG00000235749.3	5
## ENSG00000162722.9	1065
## ENSG00000238243.3	61
## ENSG00000175137.11	4467
## ENSG00000264500.1	6
## ENSG00000171161.13	4485
## ENSG00000171163.16	793
## ENSG00000185220.12	448
## ENSG00000184731.6	451
## ENSG00000035115.22	3713
## ENSG00000143727.16	12061
## ENSG00000189292.17	20
## ENSG00000151353.15	1760
## ENSG00000233296.2	9
## ENSG00000223751.2	5
## ENSG00000130508.11	47845
## ENSG00000186487.21	38
## ENSG00000032389.13	3082
## ENSG00000224885.1	14
## ENSG00000171853.16	2474
## ENSG00000225234.1	71
## ENSG00000271868.1	7
## ENSG00000182551.14	4410
## ENSG00000235078.1	17
## ENSG00000286905.1	6
## ENSG00000171865.10	4790
## ENSG00000234171.5	909
## ENSG00000287126.1	441
## ENSG00000171863.15	106804
## ENSG00000118004.18	10
## ENSG00000188765.7	18
## ENSG00000230090.5	24
## ENSG00000176887.7	13618
## ENSG00000242540.3	37
## ENSG00000236106.3	24
## ENSG00000232044.8	10
## ENSG00000205837.7	13
## ENSG00000134326.12	184
## ENSG00000134321.13	97
## ENSG00000271947.1	9
## ENSG00000228203.8	296
## ENSG00000151692.15	3760
## ENSG00000223884.7	33
## ENSG00000272002.1	19
## ENSG00000229727.7	4
## ENSG00000236790.7	5
## ENSG00000236008.5	42
## ENSG00000231083.1	17

## ENSG00000235092.7	412
## ENSG00000115738.10	15725
## ENSG00000134313.17	15798
## ENSG00000143797.12	3861
## ENSG00000261104.1	10
## ENSG00000151693.11	3575
## ENSG00000213772.3	11
## ENSG00000119185.13	2740
## ENSG00000119203.14	11970
## ENSG00000134330.19	3054
## ENSG00000151694.15	7589
## ENSG00000239300.6	6
## ENSG00000271855.1	15
## ENSG00000134308.14	75471
## ENSG00000115750.17	1960
## ENSG00000269973.1	233
## ENSG00000134317.18	734
## ENSG00000260077.1	141
## ENSG00000172059.11	1667
## ENSG00000205795.5	39
## ENSG00000171848.16	15889
## ENSG00000285872.3	43
## ENSG00000115756.13	1019
## ENSG00000115758.14	88619
## ENSG00000257135.8	152
## ENSG00000115761.17	4381
## ENSG00000234818.1	10
## ENSG00000243819.4	22
## ENSG00000143882.12	118
## ENSG00000272275.1	90
## ENSG00000143870.13	58981
## ENSG00000162975.5	92
## ENSG00000150873.12	15
## ENSG00000162976.13	806
## ENSG00000134318.16	7761
## ENSG00000169016.17	2996
## ENSG00000196208.14	5692
## ENSG00000134324.12	1857
## ENSG00000228496.2	16
## ENSG00000224184.7	12
## ENSG00000286427.1	5
## ENSG00000071575.12	4636
## ENSG00000162981.14	4779
## ENSG00000151779.14	10400
## ENSG00000079785.16	21579
## ENSG00000233718.9	97
## ENSG00000134323.13	10807
## ENSG00000236289.4	57
## ENSG00000236989.5	6
## ENSG00000197872.11	475
## ENSG00000163032.12	271
## ENSG00000163029.16	4166
## ENSG00000178295.15	1862
## ENSG00000170745.12	1046

## ENSG00000260331.1	5
## ENSG00000240857.2	1455
## ENSG00000185013.17	9
## ENSG00000236204.7	53
## ENSG00000143867.7	383
## ENSG00000228784.9	4
## ENSG00000183891.6	135
## ENSG00000118965.16	2117
## ENSG00000227210.2	41
## ENSG00000132031.13	1103
## ENSG00000068697.7	31865
## ENSG00000115884.11	14775
## ENSG00000235411.1	6
## ENSG00000055917.17	12948
## ENSG00000143878.10	5695
## ENSG00000279307.2	24
## ENSG00000118960.13	2676
## ENSG00000231948.2	7
## ENSG00000143869.7	502
## ENSG00000118961.15	5869
## ENSG00000261012.2	19
## ENSG00000084674.15	31686
## ENSG00000233005.2	6
## ENSG00000235537.3	6
## ENSG00000228999.4	13
## ENSG00000119771.15	4121
## ENSG00000283031.2	10
## ENSG00000119778.15	2846
## ENSG00000173960.14	4920
## ENSG00000205639.12	24
## ENSG00000163026.12	2787
## ENSG00000119782.14	766
## ENSG00000115128.7	6959
## ENSG00000219626.9	177
## ENSG00000115129.14	4101
## ENSG00000176732.7	20
## ENSG00000198399.16	1757
## ENSG00000233747.1	6
## ENSG00000084676.16	2672
## ENSG00000184924.6	945
## ENSG00000138092.11	3091
## ENSG00000138031.15	2514
## ENSG00000271936.1	142
## ENSG00000115137.12	484
## ENSG00000224165.8	33
## ENSG00000084710.14	3284
## ENSG00000115138.11	90
## ENSG00000119772.19	11638
## ENSG00000235072.2	33
## ENSG00000138101.20	1711
## ENSG00000143970.18	4711
## ENSG00000217643.1	11
## ENSG00000084731.15	7813
## ENSG00000084733.11	18796

## ENSG00000157833.13	1699
## ENSG00000084754.12	30148
## ENSG00000138029.14	9405
## ENSG00000286707.1	61
## ENSG00000173567.16	29
## ENSG00000138018.19	14704
## ENSG00000157856.12	228
## ENSG00000115155.19	6
## ENSG00000171303.8	276
## ENSG00000213699.9	3899
## ENSG00000115163.15	1102
## ENSG00000157851.17	11120
## ENSG00000084764.12	740
## ENSG00000119777.20	6463
## ENSG00000084693.16	6330
## ENSG00000229122.1	5
## ENSG00000272148.1	16
## ENSG00000228474.6	8961
## ENSG00000138080.14	137
## ENSG00000138030.14	315
## ENSG00000138028.17	176
## ENSG00000143994.14	4
## ENSG00000138073.14	5732
## ENSG00000138074.15	10537
## ENSG00000138085.18	7757
## ENSG00000084774.14	15331
## ENSG00000115194.11	7
## ENSG00000163794.6	16
## ENSG00000115204.15	2628
## ENSG00000115207.15	8925
## ENSG00000234072.1	1318
## ENSG00000115211.17	5123
## ENSG00000115234.11	8329
## ENSG00000163795.14	1542
## ENSG00000115241.11	25450
## ENSG00000213453.3	4
## ENSG00000115216.14	14934
## ENSG00000157992.12	1491
## ENSG00000138002.16	1158
## ENSG00000115226.10	908
## ENSG00000084734.9	8
## ENSG00000221843.6	268
## ENSG00000243943.10	3191
## ENSG00000176714.10	332
## ENSG00000198522.14	4632
## ENSG00000119760.16	3096
## ENSG00000163798.14	3167
## ENSG00000205334.4	7
## ENSG00000289326.2	75
## ENSG00000243147.8	3749
## ENSG00000171174.15	323
## ENSG00000158019.21	2942
## ENSG00000265321.1	17
## ENSG00000229951.6	9

## ENSG00000075426.12	12693
## ENSG00000270640.1	5
## ENSG00000270210.1	3
## ENSG00000163803.13	44
## ENSG00000226833.7	32
## ENSG00000213639.11	16680
## ENSG00000163806.16	8
## ENSG00000171103.11	1582
## ENSG00000163811.12	12636
## ENSG00000189350.13	38
## ENSG00000179270.7	10
## ENSG00000115295.21	856
## ENSG00000171094.18	26
## ENSG00000119801.13	4804
## ENSG00000213626.13	5523
## ENSG00000172954.14	2333
## ENSG00000162949.16	1904
## ENSG00000230118.1	11
## ENSG00000158089.15	641
## ENSG00000214711.10	83
## ENSG00000013016.16	3230
## ENSG00000158125.10	69
## ENSG00000277893.2	12
## ENSG00000162959.14	268
## ENSG00000162961.14	4170
## ENSG00000288937.2	20
## ENSG00000021574.14	4467
## ENSG00000272716.2	13
## ENSG00000152683.14	5573
## ENSG00000229816.1	7
## ENSG00000091106.19	21
## ENSG00000289727.1	23
## ENSG00000119820.11	4108
## ENSG00000115760.16	10583
## ENSG00000276334.1	43
## ENSG00000276517.1	27
## ENSG00000018699.13	2480
## ENSG00000049323.16	31147
## ENSG00000152689.18	43
## ENSG00000119812.20	5609
## ENSG00000187999.4	0
## ENSG00000235064.1	1
## ENSG00000260025.2	232
## ENSG00000150938.10	9645
## ENSG00000171055.15	4197
## ENSG00000115808.13	3926
## ENSG00000008869.12	2214
## ENSG00000152133.17	639
## ENSG00000055332.19	6487
## ENSG00000218739.10	4101
## ENSG00000115816.15	8406
## ENSG00000272054.1	41
## ENSG00000003509.16	1404
## ENSG00000115825.11	7624

## ENSG00000115828.17	828
## ENSG00000236213.4	9
## ENSG00000163171.8	24649
## ENSG00000225402.1	5
## ENSG00000237803.6	20
## ENSG00000115841.21	174
## ENSG00000138061.12	586
## ENSG00000232973.14	18
## ENSG00000119787.14	9021
## ENSG00000213553.4	2137
## ENSG00000143889.16	6378
## ENSG00000235586.1	7
## ENSG00000143891.17	2708
## ENSG00000115875.19	16360
## ENSG00000152147.11	1994
## ENSG00000163214.21	5298
## ENSG00000223922.1	2
## ENSG00000188010.16	1813
## ENSG00000214694.13	52
## ENSG00000269210.3	16
## ENSG00000115904.15	8461
## ENSG00000205111.10	21
## ENSG00000011566.15	5467
## ENSG00000231312.8	555
## ENSG00000289003.1	9
## ENSG00000152154.12	594
## ENSG00000138050.15	1084
## ENSG00000183023.19	216
## ENSG00000236090.2	11
## ENSG00000236533.1	17
## ENSG00000214691.9	19
## ENSG00000234362.7	10
## ENSG00000226398.1	7
## ENSG00000162878.13	25411
## ENSG00000143924.19	18126
## ENSG00000115944.15	9381
## ENSG00000171126.8	31
## ENSG00000057935.14	6681
## ENSG00000200550.1	12
## ENSG00000162881.7	103
## ENSG00000162882.15	503
## ENSG00000288886.2	469
## ENSG00000289082.1	40
## ENSG00000226491.1	30
## ENSG00000231826.9	49
## ENSG00000230587.5	8
## ENSG00000287387.1	7
## ENSG00000152518.8	14601
## ENSG00000279873.2	10
## ENSG00000234936.1	4
## ENSG00000115970.19	6049
## ENSG00000152527.14	501
## ENSG00000223658.8	14
## ENSG00000138036.18	1728

## ENSG00000138075.14	8
## ENSG00000138095.20	40267
## ENSG00000138032.21	3276
## ENSG00000289272.1	9
## ENSG00000138079.14	37
## ENSG00000138078.16	5909
## ENSG00000143919.16	775
## ENSG00000231848.1	6
## ENSG00000170577.8	58
## ENSG00000068784.13	2680
## ENSG00000171132.14	975
## ENSG00000116016.14	5131
## ENSG00000250565.7	902
## ENSG00000119729.12	4577
## ENSG00000250116.2	12
## ENSG00000151665.13	1782
## ENSG00000119878.6	2171
## ENSG00000171150.9	2739
## ENSG00000239332.7	22
## ENSG00000228925.1	17
## ENSG00000180398.13	18262
## ENSG00000068724.18	2644
## ENSG00000143933.20	64158
## ENSG00000234690.7	85
## ENSG00000236824.2	56
## ENSG00000119888.11	49408
## ENSG00000207923.1	3
## ENSG00000095002.15	8321
## ENSG00000184261.5	37
## ENSG00000235760.4	9
## ENSG00000230979.3	199
## ENSG00000116062.19	23582
## ENSG00000138081.22	5736
## ENSG00000233230.3	15
## ENSG00000230773.9	23
## ENSG00000170802.17	2224
## ENSG00000272663.1	22
## ENSG00000162869.16	2734
## ENSG00000243244.7	627
## ENSG00000138039.15	6
## ENSG00000170820.12	20
## ENSG00000179915.25	281
## ENSG00000204993.3	9
## ENSG00000115239.24	2188
## ENSG00000143942.5	398
## ENSG00000068912.15	5988
## ENSG00000265452.1	3
## ENSG00000119737.6	31
## ENSG00000068878.15	17526
## ENSG00000170634.13	403
## ENSG00000233266.1	20
## ENSG00000272156.1	21
## ENSG00000115306.17	61508
## ENSG00000238018.2	29

## ENSG00000214595.13	93
## ENSG00000115310.19	33558
## ENSG00000162994.16	306
## ENSG00000227799.1	19
## ENSG00000143947.15	104064
## ENSG00000289606.1	14
## ENSG00000085760.15	4460
## ENSG00000293422.1	34
## ENSG00000240401.9	11
## ENSG00000115355.18	4538
## ENSG00000233594.2	13
## ENSG00000163001.12	5671
## ENSG00000275052.5	11956
## ENSG00000138035.15	8558
## ENSG00000115380.20	16783
## ENSG00000272180.1	18
## ENSG00000226702.2	79
## ENSG00000233251.8	357
## ENSG00000055813.6	44
## ENSG00000028116.18	2156
## ENSG00000115392.13	2073
## ENSG00000233426.3	258
## ENSG00000233723.11	57
## ENSG00000231043.3	16
## ENSG00000119866.22	568
## ENSG00000271707.1	8
## ENSG00000115421.13	2717
## ENSG00000162924.16	660
## ENSG00000237522.1	12
## ENSG00000232713.2	8
## ENSG00000162927.14	328
## ENSG00000162928.9	3782
## ENSG00000162929.14	2283
## ENSG00000212978.6	658
## ENSG00000237651.8	81
## ENSG00000293434.1	451
## ENSG00000115464.15	11391
## ENSG00000273302.1	2
## ENSG00000270820.8	30
## ENSG00000082898.19	25956
## ENSG00000289410.2	15
## ENSG00000170264.13	1051
## ENSG00000115484.15	37695
## ENSG00000286360.1	14
## ENSG00000173163.11	1388
## ENSG00000229839.6	18
## ENSG00000170340.11	8334
## ENSG00000228541.3	17
## ENSG00000186889.10	539
## ENSG00000229503.1	12
## ENSG00000226622.7	1
## ENSG00000115504.15	14073
## ENSG00000231609.7	58
## ENSG00000115507.10	233

## ENSG00000143951.16	490
## ENSG00000014641.21	19946
## ENSG00000228305.2	48
## ENSG00000234488.1	2
## ENSG00000289943.1	9
## ENSG00000169764.16	10041
## ENSG00000143952.20	4056
## ENSG00000197329.12	3177
## ENSG00000225889.10	18
## ENSG00000236148.5	36
## ENSG00000223935.3	15
## ENSG00000119862.13	3342
## ENSG00000260101.2	13
## ENSG00000119844.17	2894
## ENSG00000179833.4	4121
## ENSG00000237638.3	153
## ENSG00000115902.11	2637
## ENSG00000011523.15	3934
## ENSG00000138069.18	22189
## ENSG00000293332.1	37
## ENSG00000172974.11	530
## ENSG00000138071.15	44506
## ENSG00000198369.10	5613
## ENSG00000214533.3	6
## ENSG00000226819.1	64
## ENSG00000143995.20	8262
## ENSG00000230749.5	13
## ENSG00000232046.7	88
## ENSG00000237179.6	22
## ENSG00000223859.1	21
## ENSG00000235885.8	24
## ENSG00000236780.7	118
## ENSG00000143971.9	2077
## ENSG00000197223.12	1453
## ENSG00000243667.7	386
## ENSG00000115946.8	4402
## ENSG00000221823.11	4818
## ENSG00000273064.1	5
## ENSG00000119865.9	7
## ENSG00000204923.4	177
## ENSG00000169621.11	649
## ENSG00000169618.7	89
## ENSG00000163219.12	21
## ENSG00000163217.2	182
## ENSG00000283586.1	9
## ENSG00000169604.21	11901
## ENSG00000198380.13	18179
## ENSG00000169599.13	2174
## ENSG00000115977.21	3529
## ENSG00000232228.1	10
## ENSG00000196975.16	30923
## ENSG00000288869.2	7786
## ENSG00000087338.5	8251
## ENSG00000124380.11	3453

## ENSG00000059728.11	1065
## ENSG00000179818.17	857
## ENSG00000169564.7	3706
## ENSG00000231327.3	32
## ENSG00000115998.8	814
## ENSG00000116001.17	6928
## ENSG00000231414.1	33
## ENSG00000116005.12	18827
## ENSG00000143977.14	7976
## ENSG00000035141.10	9315
## ENSG00000163235.16	385
## ENSG00000075340.23	575
## ENSG00000116035.4	8
## ENSG00000144043.13	5079
## ENSG00000144031.12	102
## ENSG00000124357.13	1630
## ENSG00000124370.11	258
## ENSG00000288065.1	8
## ENSG00000124383.11	6200
## ENSG00000233870.1	17
## ENSG00000124374.9	2882
## ENSG00000075292.19	13921
## ENSG00000281195.1	11
## ENSG00000289463.1	15
## ENSG00000135636.16	404
## ENSG00000233971.1	7
## ENSG00000003137.9	1569
## ENSG00000289615.2	17
## ENSG00000144036.16	11792
## ENSG00000116096.6	3095
## ENSG00000135638.14	27
## ENSG00000144040.13	1883
## ENSG00000135631.17	4693
## ENSG00000272702.1	11
## ENSG00000135632.12	4650
## ENSG00000135617.4	543
## ENSG00000135624.17	52141
## ENSG00000163013.12	1577
## ENSG00000135625.8	8
## ENSG00000287435.1	9
## ENSG00000116127.20	4398
## ENSG00000230002.3	37
## ENSG00000144035.4	2
## ENSG00000290727.1	17
## ENSG00000144034.16	2456
## ENSG00000144048.11	1867
## ENSG00000124356.17	5752
## ENSG00000163017.14	707
## ENSG00000114956.20	4866
## ENSG00000237883.4	21
## ENSG00000187605.16	5828
## ENSG00000257800.1	31
## ENSG00000163170.12	1170
## ENSG00000225439.4	997

## ENSG00000114978.18	12745
## ENSG00000065911.13	17643
## ENSG00000264324.1	8
## ENSG00000188687.18	33
## ENSG00000229798.1	6
## ENSG00000204843.13	19259
## ENSG00000237737.6	12
## ENSG00000284308.2	66
## ENSG00000233155.1	33
## ENSG00000005448.17	2329
## ENSG00000114993.17	5105
## ENSG00000115274.15	16
## ENSG00000239779.7	676
## ENSG00000115275.15	9351
## ENSG00000135637.14	1203
## ENSG00000115282.21	1268
## ENSG00000179528.16	125
## ENSG00000272183.1	12
## ENSG00000257702.5	422
## ENSG00000115289.14	783
## ENSG00000144045.14	98
## ENSG00000115307.17	8053
## ENSG00000115317.13	2063
## ENSG00000115318.12	1425
## ENSG00000115325.14	1529
## ENSG00000159374.18	89
## ENSG00000135622.13	943
## ENSG00000272711.1	295
## ENSG00000159399.10	7591
## ENSG00000115350.12	1047
## ENSG00000115353.11	75
## ENSG00000270571.2	26
## ENSG00000115363.14	203
## ENSG00000115364.14	8660
## ENSG00000005436.14	2528
## ENSG00000271452.1	27
## ENSG00000270996.1	14
## ENSG00000176204.14	62
## ENSG00000066032.19	787
## ENSG00000223427.1	3
## ENSG00000162951.11	359
## ENSG00000163541.12	9327
## ENSG00000289076.2	20
## ENSG00000115423.19	158
## ENSG00000235847.2	5
## ENSG00000186854.11	700
## ENSG00000034510.6	126054
## ENSG00000213399.3	46
## ENSG00000287625.1	26
## ENSG00000290085.1	43
## ENSG00000176407.18	5710
## ENSG00000225787.1	5
## ENSG00000152284.5	3815
## ENSG00000246575.2	8

## ENSG00000152291.15	13884
## ENSG00000270532.1	9
## ENSG00000042445.14	3633
## ENSG00000115459.18	1109
## ENSG00000042493.16	3094
## ENSG00000286011.2	9
## ENSG00000286532.2	90
## ENSG00000168906.13	15689
## ENSG00000115486.13	4893
## ENSG00000118640.11	4371
## ENSG00000168899.5	305
## ENSG00000168894.10	2978
## ENSG00000168890.14	994
## ENSG00000168883.20	10258
## ENSG00000168887.11	2175
## ENSG00000168874.13	32
## ENSG00000115525.18	2408
## ENSG00000232504.5	6
## ENSG00000068654.17	12199
## ENSG00000132300.19	10913
## ENSG00000208772.1	12
## ENSG00000132305.22	18642
## ENSG00000273080.2	157
## ENSG00000132313.15	5107
## ENSG00000068615.20	2884
## ENSG00000115548.17	7583
## ENSG00000115561.16	6423
## ENSG00000249884.8	20
## ENSG00000239305.7	1774
## ENSG00000153561.13	8981
## ENSG00000153563.17	8
## ENSG00000172116.23	25
## ENSG00000233673.8	49
## ENSG00000231351.2	6
## ENSG00000183281.15	5
## ENSG00000285793.1	104
## ENSG00000287931.1	5
## ENSG00000204745.4	276
## ENSG00000287763.1	8
## ENSG00000222041.13	128
## ENSG00000284879.1	40
## ENSG00000185304.16	76
## ENSG00000229604.2	8
## ENSG00000233205.1	8
## ENSG00000287670.1	40
## ENSG00000172086.9	1744
## ENSG00000115593.15	3
## ENSG00000163586.10	662
## ENSG00000144115.18	1540
## ENSG00000214336.5	55
## ENSG00000172071.15	4790
## ENSG00000234028.4	107
## ENSG00000153574.9	2620
## ENSG00000291127.1	22

## ENSG00000290846.1	10
## ENSG00000291142.1	0
## ENSG00000287362.1	5
## ENSG00000144029.14	251
## ENSG00000144026.14	862
## ENSG00000275111.5	754
## ENSG00000289370.2	24
## ENSG00000233757.7	1873
## ENSG00000155066.16	488
## ENSG00000115041.14	36
## ENSG00000115042.10	2057
## ENSG00000144010.11	10
## ENSG00000144015.5	12
## ENSG00000235584.3	9
## ENSG00000232931.6	381
## ENSG00000174501.15	162
## ENSG00000291176.1	245
## ENSG00000186281.13	6
## ENSG00000274286.2	100
## ENSG00000158050.5	171
## ENSG00000084090.14	19059
## ENSG00000204685.9	329
## ENSG00000135956.9	6787
## ENSG00000144021.3	8366
## ENSG00000144028.15	42961
## ENSG00000198885.10	601
## ENSG00000121152.10	3918
## ENSG00000163121.10	119
## ENSG00000196843.17	697
## ENSG00000114982.19	7110
## ENSG00000249715.13	33
## ENSG00000114988.12	3554
## ENSG00000158158.12	2033
## ENSG00000273265.1	15
## ENSG00000289135.2	72
## ENSG00000168763.16	4839
## ENSG00000163126.15	15
## ENSG00000213337.9	436
## ENSG00000168758.11	6828
## ENSG00000188383.8	20
## ENSG00000144199.12	1269
## ENSG00000135976.21	166
## ENSG00000230606.11	20
## ENSG00000196912.13	143
## ENSG00000286036.1	8
## ENSG00000135940.7	8205
## ENSG00000115073.8	6718
## ENSG00000228486.11	46
## ENSG00000115085.15	42
## ENSG00000075568.17	9391
## ENSG00000235734.4	76
## ENSG00000168658.20	50
## ENSG00000144191.12	553
## ENSG00000040933.16	2341

## ENSG00000183513.9	1809
## ENSG00000115446.12	2316
## ENSG00000071073.13	5490
## ENSG00000226791.9	18
## ENSG00000196872.12	272
## ENSG00000135951.16	338
## ENSG00000231822.1	33
## ENSG00000241962.9	32
## ENSG00000273045.7	658
## ENSG00000144182.17	264
## ENSG00000273155.1	6
## ENSG00000158411.11	1382
## ENSG00000185414.20	7969
## ENSG00000185674.10	5
## ENSG00000144214.10	23
## ENSG00000115514.12	2974
## ENSG00000158417.12	28209
## ENSG00000135945.10	2017
## ENSG00000273306.1	40
## ENSG00000144218.21	339
## ENSG00000170500.13	768
## ENSG00000115526.11	1863
## ENSG00000115539.14	3163
## ENSG00000170485.17	31
## ENSG00000071082.11	70530
## ENSG00000204634.13	2169
## ENSG00000272902.2	46
## ENSG00000158435.8	9872
## ENSG00000163162.9	2850
## ENSG00000212283.1	12
## ENSG00000175874.10	55
## ENSG00000071054.17	32696
## ENSG00000115590.14	45
## ENSG00000115594.12	298
## ENSG00000115598.10	10
## ENSG00000115602.17	31
## ENSG00000115604.12	43
## ENSG00000180251.5	485
## ENSG00000115616.3	557
## ENSG00000135953.11	3014
## ENSG00000170417.16	539
## ENSG00000228528.2	66
## ENSG00000198914.5	5
## ENSG00000224509.4	27
## ENSG00000135972.9	3962
## ENSG00000231851.6	33
## ENSG00000226508.1	90
## ENSG00000135966.14	3481
## ENSG00000235319.1	9
## ENSG00000272994.2	173
## ENSG00000135974.10	2401
## ENSG00000115641.19	3267
## ENSG00000238273.3	5
## ENSG00000071051.14	7657

## ENSG00000119147.10	12
## ENSG00000115652.15	6770
## ENSG00000213295.3	5
## ENSG00000153165.19	52
## ENSG00000254126.8	19
## ENSG00000214199.3	252
## ENSG00000144057.16	692
## ENSG00000196862.10	68
## ENSG00000237745.1	1
## ENSG00000115665.9	84
## ENSG00000231221.1	13
## ENSG00000225328.2	36
## ENSG00000196228.5	5
## ENSG00000198203.10	1430
## ENSG00000290794.1	5
## ENSG00000198075.10	3830
## ENSG00000135968.22	7903
## ENSG00000214184.3	35
## ENSG00000169756.17	8042
## ENSG00000153201.17	22079
## ENSG00000163006.12	2555
## ENSG00000227470.1	82
## ENSG00000135960.10	482
## ENSG00000259863.1	38
## ENSG00000172985.11	587
## ENSG00000186522.15	6050
## ENSG00000198142.5	2200
## ENSG00000233707.3	8
## ENSG00000015568.13	3
## ENSG00000204588.5	209
## ENSG00000235721.1	8
## ENSG00000144063.4	25
## ENSG00000144061.14	768
## ENSG00000175701.11	343
## ENSG00000230650.1	41
## ENSG00000175772.11	354
## ENSG00000216867.2	16
## ENSG00000169679.15	8023
## ENSG00000153093.21	36
## ENSG00000236330.1	20
## ENSG00000172965.17	270
## ENSG00000204581.3	25
## ENSG00000153094.25	1326
## ENSG00000227992.1	0
## ENSG00000153107.13	7933
## ENSG00000236307.2	8
## ENSG00000153208.19	1844
## ENSG00000286904.1	24
## ENSG00000153214.11	3590
## ENSG00000144152.13	559
## ENSG00000278962.1	151
## ENSG00000144161.14	1097
## ENSG00000286545.1	16
## ENSG00000188177.15	746

## ENSG00000169629.12	256
## ENSG00000114999.8	6934
## ENSG00000125630.16	6473
## ENSG00000125611.16	1556
## ENSG00000243389.1	29
## ENSG00000228251.1	26
## ENSG00000231747.1	51
## ENSG00000237753.2	34
## ENSG00000144136.11	12111
## ENSG00000144130.12	5
## ENSG00000169607.13	2178
## ENSG00000115008.6	38
## ENSG00000125538.12	30
## ENSG00000136688.11	10
## ENSG00000125637.16	1541
## ENSG00000189223.15	1506
## ENSG00000125618.18	61
## ENSG00000136682.16	1930
## ENSG00000184492.7	5
## ENSG00000291134.1	92
## ENSG00000236397.3	34
## ENSG00000279267.1	173
## ENSG00000293106.1	368
## ENSG00000144134.19	663
## ENSG00000144158.4	45
## ENSG00000227359.1	16
## ENSG00000115084.15	5811
## ENSG00000244063.1	5
## ENSG00000228857.3	57
## ENSG00000270019.2	10
## ENSG00000115091.12	25306
## ENSG00000175497.17	2725
## ENSG00000235026.8	163
## ENSG00000238207.2	20
## ENSG00000088205.13	14670
## ENSG00000236255.2	90
## ENSG00000125633.11	2684
## ENSG00000279227.2	44
## ENSG00000125629.16	2956
## ENSG00000226856.9	11
## ENSG00000163064.7	9
## ENSG00000019169.11	18
## ENSG00000259094.1	33
## ENSG00000144119.4	598
## ENSG00000115107.20	8615
## ENSG00000229867.2	21
## ENSG00000186132.15	454
## ENSG00000155368.18	12479
## ENSG00000171227.7	2891
## ENSG00000080293.10	734
## ENSG00000231013.2	43
## ENSG00000163075.13	590
## ENSG00000144120.13	2068
## ENSG00000088179.9	2879

## ENSG00000233741.1	10
## ENSG00000115109.14	5639
## ENSG00000226479.4	2843
## ENSG00000144118.14	5814
## ENSG00000163083.6	3058
## ENSG00000280409.1	29
## ENSG00000237614.3	27
## ENSG00000232140.2	44
## ENSG00000074047.22	1532
## ENSG00000115112.8	173
## ENSG00000074054.21	9495
## ENSG00000265451.1	3
## ENSG00000236859.8	347
## ENSG00000155438.12	5137
## ENSG00000211460.12	12814
## ENSG00000155052.15	369
## ENSG00000235491.1	170
## ENSG00000213236.3	57
## ENSG00000136732.16	5851
## ENSG00000260634.2	10
## ENSG00000136717.15	6694
## ENSG00000186684.14	487
## ENSG00000163161.14	5259
## ENSG00000169967.17	2960
## ENSG00000236682.4	73
## ENSG00000115718.18	135
## ENSG00000163166.15	11665
## ENSG00000231731.7	16
## ENSG00000169994.20	13
## ENSG00000072163.20	816
## ENSG00000144230.17	2
## ENSG00000136709.12	9272
## ENSG00000144231.11	6374
## ENSG00000144233.12	6643
## ENSG00000272667.1	203
## ENSG00000286873.1	134
## ENSG00000136715.19	6425
## ENSG00000136731.13	24155
## ENSG00000136720.7	8716
## ENSG00000229536.3	40
## ENSG00000286957.1	17
## ENSG00000222014.6	6
## ENSG00000290591.1	20
## ENSG00000286058.1	48
## ENSG00000291278.1	6
## ENSG00000231240.1	13
## ENSG00000196604.13	39
## ENSG00000290707.1	16
## ENSG00000152076.19	445
## ENSG00000136699.20	10601
## ENSG00000152082.15	2818
## ENSG00000227632.2	51
## ENSG00000213225.8	16
## ENSG00000226915.1	4

## ENSG00000136710.10	1768
## ENSG00000136718.10	6944
## ENSG00000072135.13	2034
## ENSG00000290596.1	176
## ENSG00000230646.1	9
## ENSG00000196834.14	24
## ENSG00000136698.10	115
## ENSG00000290700.1	133
## ENSG00000229797.2	5
## ENSG00000178171.12	635
## ENSG00000136002.21	52
## ENSG00000284479.3	9
## ENSG00000152102.18	19016
## ENSG00000115762.17	14558
## ENSG00000230450.1	20
## ENSG00000236956.2	20
## ENSG00000285819.1	10
## ENSG00000188219.16	79
## ENSG00000290654.1	98
## ENSG00000231431.8	20
## ENSG00000236516.1	7
## ENSG00000233087.8	33
## ENSG00000214077.4	16
## ENSG00000217950.4	8
## ENSG00000232742.3	10
## ENSG00000173272.16	2727
## ENSG00000075886.11	12
## ENSG00000152117.19	12
## ENSG00000293311.1	543
## ENSG00000163040.15	543
## ENSG00000204434.6	8
## ENSG00000287151.1	192
## ENSG00000197927.14	26
## ENSG00000213222.3	51
## ENSG00000290902.1	6
## ENSG00000272769.2	9
## ENSG00000286833.3	6
## ENSG00000230992.3	11
## ENSG00000183840.8	550
## ENSG00000150551.11	3686
## ENSG00000176771.18	1169
## ENSG00000226953.8	49
## ENSG00000152127.9	10034
## ENSG00000152128.13	199
## ENSG00000224043.9	227
## ENSG00000153086.14	4
## ENSG00000082258.13	5028
## ENSG00000176601.14	41
## ENSG00000115839.19	7602
## ENSG00000121988.18	1590
## ENSG00000235651.1	2
## ENSG00000048991.18	7488
## ENSG00000144224.17	18358
## ENSG00000115850.10	105

## ENSG00000076003.5	17456
## ENSG00000115866.11	11317
## ENSG00000231890.10	42
## ENSG00000121966.8	669
## ENSG00000227347.1	72
## ENSG00000144229.13	1248
## ENSG00000150540.14	403
## ENSG00000233045.1	16
## ENSG00000234645.3	23
## ENSG00000228043.5	22
## ENSG00000144228.9	4081
## ENSG00000144227.5	2138
## ENSG00000168702.18	80
## ENSG00000115919.15	133
## ENSG00000075884.14	7
## ENSG00000121964.15	1121
## ENSG00000169554.23	109
## ENSG00000121989.15	2478
## ENSG00000115947.14	5156
## ENSG00000204406.14	2223
## ENSG00000135999.12	3035
## ENSG00000168280.18	8874
## ENSG00000289474.2	7
## ENSG00000150556.17	9269
## ENSG00000286335.1	7
## ENSG00000187123.15	7618
## ENSG00000168288.13	11122
## ENSG00000231969.4	33
## ENSG00000115963.14	6196
## ENSG00000184898.7	313
## ENSG00000123609.11	173
## ENSG00000080345.18	9263
## ENSG00000183091.21	193
## ENSG00000162980.17	4857
## ENSG00000288066.1	825
## ENSG00000182389.20	46
## ENSG00000115145.10	2293
## ENSG00000157827.20	8531
## ENSG00000286207.1	57
## ENSG00000196504.21	24854
## ENSG00000177917.12	2476
## ENSG00000242575.1	11
## ENSG00000227400.2	5
## ENSG00000177519.4	123
## ENSG00000144278.15	3377
## ENSG00000224675.1	18
## ENSG00000287900.1	297
## ENSG00000162989.5	5255
## ENSG00000228837.2	4
## ENSG00000230991.2	36
## ENSG00000226383.7	153
## ENSG00000153234.16	903
## ENSG00000115159.17	14239
## ENSG00000136542.9	1144

## ENSG00000136541.15	46
## ENSG00000230562.3	16
## ENSG00000115165.10	31
## ENSG00000123612.16	1989
## ENSG00000115170.16	2644
## ENSG00000153237.19	86
## ENSG00000144283.23	10836
## ENSG00000204380.4	14
## ENSG00000163331.12	126
## ENSG00000115183.15	5461
## ENSG00000213189.5	48
## ENSG00000196151.11	724
## ENSG00000123636.19	4527
## ENSG00000224152.3	119
## ENSG00000226266.8	28
## ENSG00000136536.15	10062
## ENSG00000241399.7	654
## ENSG00000287091.1	55
## ENSG00000054219.11	118
## ENSG00000153246.13	244
## ENSG00000115221.12	697
## ENSG00000153250.21	8364
## ENSG00000136560.14	1679
## ENSG00000235724.10	10
## ENSG00000227403.3	230
## ENSG00000115233.12	13626
## ENSG00000232320.6	40
## ENSG00000226121.2	89
## ENSG00000197635.11	15435
## ENSG00000230918.3	39
## ENSG00000115263.15	27906
## ENSG00000078098.15	14
## ENSG00000115267.10	616
## ENSG00000115271.11	4521
## ENSG00000184611.14	774
## ENSG00000182263.14	1469
## ENSG00000237844.2	4
## ENSG00000115290.11	2086
## ENSG00000277998.1	34
## ENSG00000082438.18	2366
## ENSG00000236283.5	81
## ENSG00000169507.10	75
## ENSG00000153253.20	112
## ENSG00000136531.19	94
## ENSG00000178662.16	370
## ENSG00000115339.14	4010
## ENSG00000123607.16	2420
## ENSG00000169432.19	864
## ENSG00000136546.17	772
## ENSG00000163092.22	21
## ENSG00000172318.6	5427
## ENSG00000214211.2	24
## ENSG00000198648.12	9760
## ENSG00000172292.15	6334

## ENSG00000163072.16	565
## ENSG00000152253.9	1200
## ENSG00000152254.11	29
## ENSG00000081479.15	9969
## ENSG00000163093.12	308
## ENSG00000239474.7	17
## ENSG00000138399.18	2421
## ENSG00000138398.17	11416
## ENSG00000154479.13	154
## ENSG00000144362.12	244
## ENSG00000213160.10	7411
## ENSG00000138385.16	22989
## ENSG00000138382.15	3442
## ENSG00000144357.18	5002
## ENSG00000071909.19	3
## ENSG00000234350.7	7
## ENSG00000204335.4	10
## ENSG00000128692.8	136
## ENSG00000204334.8	147
## ENSG00000128683.14	22
## ENSG00000115806.13	11940
## ENSG00000198586.14	5006
## ENSG00000123600.21	2499
## ENSG00000115827.14	2612
## ENSG00000228507.1	22
## ENSG00000234061.1	5
## ENSG00000233762.3	359
## ENSG00000071967.12	73
## ENSG00000077380.16	18353
## ENSG00000115840.14	93
## ENSG00000128708.13	5261
## ENSG00000172878.14	431
## ENSG00000091409.16	10908
## ENSG00000225205.5	30
## ENSG00000152256.14	2073
## ENSG00000091428.18	252
## ENSG00000091436.17	3996
## ENSG00000238133.6	4
## ENSG00000144354.15	5181
## ENSG00000172845.18	10194
## ENSG00000289296.2	11
## ENSG00000271151.1	10
## ENSG00000138430.16	20827
## ENSG00000237804.1	17
## ENSG00000138433.16	3577
## ENSG00000144306.15	1263
## ENSG00000163328.14	103
## ENSG00000226853.5	33
## ENSG00000115935.19	3311
## ENSG00000290018.1	1793
## ENSG00000235655.3	1982
## ENSG00000138435.16	220
## ENSG00000128656.15	3893
## ENSG00000115966.18	5516

## ENSG00000154518.10	23340
## ENSG00000289349.1	7
## ENSG00000144320.14	2667
## ENSG00000128714.6	6
## ENSG00000128709.13	0
## ENSG00000224189.8	42
## ENSG00000218175.2	188
## ENSG00000128654.14	3220
## ENSG00000229337.2	23
## ENSG00000170144.22	36221
## ENSG00000116044.17	21867
## ENSG00000225808.1	46
## ENSG00000222043.2	9
## ENSG00000213963.7	565
## ENSG00000018510.18	13350
## ENSG00000196659.10	1175
## ENSG00000197557.7	1468
## ENSG00000128655.19	1344
## ENSG00000229941.6	6
## ENSG00000155636.16	1264
## ENSG00000079156.17	932
## ENSG00000223960.9	764
## ENSG00000180228.14	4351
## ENSG00000204311.15	118
## ENSG00000238082.1	9
## ENSG00000079150.19	2874
## ENSG00000116095.11	1550
## ENSG00000237298.11	172
## ENSG00000155657.29	5902
## ENSG00000270956.1	19
## ENSG00000270277.1	18
## ENSG00000270574.1	5
## ENSG00000163492.16	2948
## ENSG00000187231.14	10103
## ENSG00000144331.20	718
## ENSG00000163510.14	4402
## ENSG00000226564.1	103
## ENSG00000170035.16	8409
## ENSG00000234663.7	3
## ENSG00000115232.14	353
## ENSG00000188452.15	206
## ENSG00000162992.5	2617
## ENSG00000260742.1	12
## ENSG00000138434.17	5297
## ENSG00000150722.11	222
## ENSG00000213958.2	22
## ENSG00000115252.19	58
## ENSG00000077232.19	25447
## ENSG00000162998.5	6818
## ENSG00000061676.16	24693
## ENSG00000231203.1	84
## ENSG00000162999.13	151
## ENSG00000163002.13	1641
## ENSG00000272800.3	26

## ENSG00000177855.8	69
## ENSG00000170396.9	8
## ENSG00000286797.1	157
## ENSG00000226747.6	15
## ENSG00000188738.16	266
## ENSG00000237877.8	46
## ENSG00000227692.1	9
## ENSG00000065548.18	11312
## ENSG00000138448.13	19932
## ENSG00000144369.14	1082
## ENSG00000224063.6	15
## ENSG00000064989.13	88
## ENSG00000003436.16	2120
## ENSG00000144366.17	3837
## ENSG00000168542.17	7795
## ENSG00000204262.14	5065
## ENSG00000115368.10	7146
## ENSG00000138449.11	3432
## ENSG00000138381.10	3275
## ENSG00000151687.15	83
## ENSG00000128694.12	924
## ENSG00000253559.1	15
## ENSG00000273240.1	4
## ENSG00000128699.14	3284
## ENSG00000064933.19	4502
## ENSG00000187699.10	227
## ENSG00000204253.4	323
## ENSG00000198130.16	4461
## ENSG00000151689.13	2605
## ENSG00000151690.15	3517
## ENSG00000272979.1	14
## ENSG00000189362.12	985
## ENSG00000233654.2	92
## ENSG00000284052.1	51
## ENSG00000138386.17	5796
## ENSG00000228509.7	16
## ENSG00000235852.1	15
## ENSG00000115419.14	12795
## ENSG00000115415.21	15780
## ENSG00000138378.19	184
## ENSG00000227542.1	65
## ENSG00000128641.19	30062
## ENSG00000173559.15	1466
## ENSG00000168497.5	47
## ENSG00000144339.12	149
## ENSG00000286358.1	89
## ENSG00000286868.1	202
## ENSG00000260142.1	2
## ENSG00000196950.14	15124
## ENSG00000118997.14	118
## ENSG00000081320.11	1522
## ENSG00000138411.13	1068
## ENSG00000229056.2	10
## ENSG00000144395.18	416

## ENSG00000119041.11	7377
## ENSG00000197121.15	4164
## ENSG00000065413.20	87
## ENSG00000213104.3	41
## ENSG00000115524.17	40326
## ENSG00000115520.9	1658
## ENSG00000144381.18	131216
## ENSG00000115541.11	10062
## ENSG00000270757.1	27
## ENSG00000115540.15	3297
## ENSG00000162944.11	92
## ENSG00000247626.5	1778
## ENSG00000115896.17	2902
## ENSG00000119042.18	458
## ENSG00000225953.5	23
## ENSG00000213938.3	6
## ENSG00000226124.10	31
## ENSG00000178074.6	2539
## ENSG00000162971.11	1184
## ENSG00000162972.11	1760
## ENSG00000196141.14	12750
## ENSG00000287299.1	44
## ENSG00000155729.13	781
## ENSG00000163535.18	3556
## ENSG00000138356.14	1035
## ENSG00000082153.18	30655
## ENSG00000013441.17	1708
## ENSG00000240344.10	1036
## ENSG00000196290.17	2903
## ENSG00000115942.9	5448
## ENSG00000183308.6	5
## ENSG00000155744.10	1039
## ENSG00000225695.1	51
## ENSG00000119013.10	2865
## ENSG00000003402.21	3777
## ENSG00000226312.7	9
## ENSG00000003400.16	1110
## ENSG00000064012.24	1260
## ENSG00000155749.13	4
## ENSG00000115993.13	3640
## ENSG00000082146.13	7020
## ENSG00000213090.2	8
## ENSG00000155754.15	2
## ENSG00000155755.20	6146
## ENSG00000003393.16	6030
## ENSG00000138395.17	9
## ENSG00000289026.1	12
## ENSG00000273209.1	27
## ENSG00000155760.3	18170
## ENSG00000182329.14	42
## ENSG00000223825.5	10
## ENSG00000116030.17	16407
## ENSG00000055044.11	7688
## ENSG00000286223.1	8

## ENSG00000273456.2	59
## ENSG00000204217.16	4461
## ENSG00000138439.12	4862
## ENSG00000163596.17	781
## ENSG00000138442.11	7028
## ENSG00000138380.18	464
## ENSG00000232479.2	14
## ENSG00000144426.19	1799
## ENSG00000289294.2	172
## ENSG00000119004.17	1486
## ENSG00000138443.17	9071
## ENSG00000173166.18	502
## ENSG00000224791.1	10
## ENSG00000237843.2	15
## ENSG00000116117.20	4046
## ENSG00000118257.17	26514
## ENSG00000225216.6	3
## ENSG00000114933.16	1196
## ENSG00000227946.3	68
## ENSG00000023228.15	11309
## ENSG00000114942.15	69100
## ENSG00000183671.13	2
## ENSG00000204186.11	1820
## ENSG00000234491.1	7
## ENSG00000114948.13	2164
## ENSG00000228577.1	9
## ENSG00000138400.13	292
## ENSG00000118246.14	6570
## ENSG00000229321.2	37
## ENSG00000144410.5	11
## ENSG00000118263.16	1439
## ENSG00000237892.1	11
## ENSG00000118260.15	6127
## ENSG00000144401.14	2909
## ENSG00000213082.3	8
## ENSG00000163249.13	5492
## ENSG00000163251.4	94316
## ENSG00000178385.15	9497
## ENSG00000225111.3	26
## ENSG00000185078.3	7
## ENSG00000224839.1	5
## ENSG00000118231.5	14
## ENSG00000138413.14	54241
## ENSG00000231908.2	81
## ENSG00000115020.17	5795
## ENSG00000144407.10	25
## ENSG00000078018.22	3308
## ENSG00000144406.19	119
## ENSG00000197713.15	5126
## ENSG00000144445.17	853
## ENSG00000272807.1	11
## ENSG00000229127.2	7
## ENSG00000115361.8	16
## ENSG00000115365.13	5937

## ENSG00000021826.18	374
## ENSG00000178568.16	290
## ENSG00000030419.17	957
## ENSG00000270659.2	45
## ENSG00000144451.20	2172
## ENSG00000197585.10	10
## ENSG00000138376.11	2162
## ENSG00000229267.3	68
## ENSG00000230076.1	531
## ENSG00000144452.15	1408
## ENSG00000138363.15	25656
## ENSG00000115414.21	1584449
## ENSG00000230695.2	5
## ENSG00000237525.7	9
## ENSG00000235770.6	2082
## ENSG00000230838.2	3
## ENSG00000226276.1	8
## ENSG00000118242.17	2273
## ENSG00000115425.14	1251
## ENSG00000163449.11	679
## ENSG00000079246.16	99203
## ENSG00000279348.1	863
## ENSG00000260804.3	1446
## ENSG00000144583.5	241
## ENSG00000138375.14	3699
## ENSG00000232485.4	32
## ENSG00000197756.10	112046
## ENSG00000115457.10	57332
## ENSG00000115461.5	24001
## ENSG00000233143.4	66
## ENSG00000118245.2	21
## ENSG00000231672.8	16
## ENSG00000079308.21	812
## ENSG00000223923.2	21
## ENSG00000180871.8	20
## ENSG00000224159.1	8
## ENSG00000163466.16	30106
## ENSG00000261338.2	149
## ENSG00000179921.15	255
## ENSG00000127837.10	11801
## ENSG00000127838.15	3877
## ENSG00000135926.15	10394
## ENSG00000158428.4	38
## ENSG00000018280.17	19
## ENSG00000144579.9	5622
## ENSG00000127831.11	16529
## ENSG00000135913.11	1990
## ENSG00000144580.15	11141
## ENSG00000115568.16	3276
## ENSG00000074582.15	2010
## ENSG00000163481.8	1911
## ENSG00000163482.12	2283
## ENSG00000135912.11	6850
## ENSG00000135929.9	740

## ENSG00000115596.4	234
## ENSG00000135925.9	649
## ENSG00000288898.1	5
## ENSG00000224928.2	9
## ENSG00000171450.6	675
## ENSG00000163497.3	1391
## ENSG00000163499.12	4878
## ENSG00000224090.1	12
## ENSG00000181378.14	71
## ENSG00000163501.7	4035
## ENSG00000264755.1	56
## ENSG00000286606.1	19
## ENSG00000187736.14	1005
## ENSG00000115649.16	2821
## ENSG00000144567.11	5745
## ENSG00000158552.13	879
## ENSG00000115657.14	227
## ENSG00000198925.12	3453
## ENSG00000163516.14	2616
## ENSG00000163521.16	749
## ENSG00000115661.14	2566
## ENSG00000127824.15	827
## ENSG00000243910.9	5
## ENSG00000135924.17	3653
## ENSG00000054356.14	2007
## ENSG00000123992.20	3626
## ENSG00000229525.1	24
## ENSG00000175084.13	30
## ENSG00000072195.15	595
## ENSG00000144591.20	3037
## ENSG00000072182.14	49
## ENSG00000123989.15	6976
## ENSG00000188760.11	379
## ENSG00000124006.15	6578
## ENSG00000123999.5	36
## ENSG00000144589.22	1576
## ENSG00000228973.1	5
## ENSG00000114923.17	715
## ENSG00000116106.12	2814
## ENSG00000272944.1	46
## ENSG00000233868.1	6
## ENSG00000226666.1	27
## ENSG00000135903.20	6
## ENSG00000288658.2	17
## ENSG00000163082.10	2245
## ENSG00000116120.11	8558
## ENSG00000123983.15	18471
## ENSG00000152049.7	29
## ENSG00000171951.5	8637
## ENSG00000152056.18	1354
## ENSG00000085449.15	5095
## ENSG00000135900.4	4184
## ENSG00000135919.14	4629
## ENSG00000036257.14	13267

## ENSG00000135905.21	305
## ENSG00000144460.13	162
## ENSG00000169047.6	11486
## ENSG00000272622.2	111
## ENSG00000261379.1	8
## ENSG00000290086.1	5
## ENSG00000144468.17	2998
## ENSG00000081052.14	28
## ENSG00000169031.21	11
## ENSG00000236432.8	189
## ENSG00000168958.21	7751
## ENSG00000173744.18	13574
## ENSG00000135917.16	19514
## ENSG00000115009.13	18
## ENSG00000123977.10	142
## ENSG00000153820.13	1091
## ENSG00000153823.19	193
## ENSG00000187957.8	834
## ENSG00000153827.15	26188
## ENSG00000153832.12	585
## ENSG00000163053.11	1626
## ENSG00000135899.20	253
## ENSG00000079263.19	7
## ENSG00000185404.17	126
## ENSG00000067066.17	392
## ENSG00000183022.5	17
## ENSG00000135932.12	12623
## ENSG00000237758.1	25
## ENSG00000135916.16	26398
## ENSG00000135898.10	6
## ENSG00000238062.6	21
## ENSG00000204128.6	3273
## ENSG00000261829.1	34
## ENSG00000173692.14	25609
## ENSG00000135914.6	11
## ENSG00000135931.19	3492
## ENSG00000237039.1	26
## ENSG00000224376.3	10
## ENSG00000156966.7	2400
## ENSG00000172799.5	11
## ENSG00000115053.17	138349
## ENSG00000283312.1	8
## ENSG00000283491.1	7
## ENSG00000181798.4	24
## ENSG00000289018.2	32
## ENSG00000187514.17	178433
## ENSG00000156973.14	1676
## ENSG00000144524.18	4708
## ENSG00000261096.1	18
## ENSG00000163273.4	13
## ENSG00000144535.20	2980
## ENSG00000251485.1	21
## ENSG00000163283.7	33
## ENSG00000290681.1	3

## ENSG00000163286.9	132
## ENSG00000163295.5	58
## ENSG00000171551.12	274
## ENSG00000135902.10	8
## ENSG00000221944.9	362
## ENSG00000135930.15	10162
## ENSG00000237126.8	148
## ENSG00000115468.13	1383
## ENSG00000204120.16	10283
## ENSG00000115474.7	311
## ENSG00000182600.10	73
## ENSG00000066248.15	71
## ENSG00000168918.14	6021
## ENSG00000085978.22	2755
## ENSG00000077044.11	6768
## ENSG00000085982.16	4312
## ENSG00000167165.19	6
## ENSG00000241635.8	7
## ENSG00000123485.12	2899
## ENSG00000293137.1	211
## ENSG00000224287.3	3
## ENSG00000188042.8	13768
## ENSG00000235726.7	25
## ENSG00000130147.16	12988
## ENSG00000157985.20	7235
## ENSG00000235529.2	26
## ENSG00000168505.7	30
## ENSG00000233611.4	23
## ENSG00000132321.17	429
## ENSG00000144476.6	267
## ENSG00000227252.2	217
## ENSG00000198612.11	6886
## ENSG00000163359.17	594
## ENSG00000115648.14	61
## ENSG00000124839.13	1145
## ENSG00000234949.2	11
## ENSG00000227107.1	19
## ENSG00000124831.20	8657
## ENSG00000177483.12	22
## ENSG00000132329.11	4819
## ENSG00000184182.19	2054
## ENSG00000258984.5	9
## ENSG00000132330.18	464
## ENSG00000144488.15	24
## ENSG00000168427.9	172
## ENSG00000178752.16	216
## ENSG00000132323.9	2018
## ENSG00000186235.12	21
## ENSG00000225057.2	2
## ENSG00000144485.11	2214
## ENSG00000132326.13	2868
## ENSG00000283635.1	4
## ENSG00000204104.12	3504
## ENSG00000065802.12	5662

## ENSG00000233608.5	14
## ENSG00000068024.18	1847
## ENSG00000222020.5	3
## ENSG00000130414.13	8449
## ENSG00000172428.11	2579
## ENSG00000227479.1	1
## ENSG00000063660.9	15342
## ENSG00000218416.4	32
## ENSG00000144504.16	581
## ENSG00000188542.10	224
## ENSG00000142327.13	6507
## ENSG00000260942.1	231
## ENSG00000142330.20	1568
## ENSG00000178623.13	46
## ENSG00000219159.4	6
## ENSG00000130294.18	23225
## ENSG00000172482.5	24
## ENSG00000172478.18	774
## ENSG00000162804.15	108
## ENSG00000122085.17	2196
## ENSG00000115687.14	2235
## ENSG00000115685.15	5286
## ENSG00000146205.15	217
## ENSG00000115677.18	77401
## ENSG00000168385.18	53748
## ENSG00000006607.14	4357
## ENSG00000115694.15	11057
## ENSG00000176720.6	2472
## ENSG00000273113.1	15
## ENSG00000176946.13	6421
## ENSG00000168397.17	4908
## ENSG00000168393.13	3779
## ENSG00000168395.16	2687
## ENSG00000180902.18	850
## ENSG00000154252.12	17
## ENSG00000224272.2	42
## ENSG00000204099.12	18
## ENSG00000233806.9	22
## ENSG00000216921.9	9
## ENSG00000237940.3	16
## ENSG00000261186.2	8
## ENSG00000291147.1	115
## ENSG00000134121.10	255
## ENSG00000224957.7	16
## ENSG00000224239.1	3
## ENSG00000134115.13	37
## ENSG00000288831.2	18
## ENSG00000144619.15	3255
## ENSG00000286363.1	14
## ENSG00000091181.20	29
## ENSG00000072756.18	4110
## ENSG00000113851.16	1829
## ENSG00000144455.14	2316
## ENSG00000175928.6	14190

## ENSG00000287720.1	12
## ENSG00000286579.1	10
## ENSG00000170364.13	2436
## ENSG00000231249.3	18
## ENSG00000150995.21	329
## ENSG00000235831.8	16
## ENSG00000134107.5	639
## ENSG00000134108.14	6717
## ENSG00000233912.1	14
## ENSG00000134109.11	2711
## ENSG00000189229.12	9
## ENSG00000227110.7	33
## ENSG00000071282.12	615
## ENSG00000125046.16	31
## ENSG00000180914.11	1375
## ENSG00000070950.10	2428
## ENSG00000196220.17	2606
## ENSG00000228723.6	39
## ENSG00000235830.2	4
## ENSG00000254485.5	11
## ENSG00000206573.11	677
## ENSG00000134077.16	5574
## ENSG00000168137.20	14941
## ENSG00000156959.9	147
## ENSG00000163719.20	3381
## ENSG00000287878.1	11
## ENSG00000144550.14	33
## ENSG00000156983.17	2601
## ENSG00000114026.22	1119
## ENSG00000134072.11	282
## ENSG00000171148.14	13225
## ENSG00000241553.13	7305
## ENSG00000214021.18	212
## ENSG00000156990.14	3269
## ENSG00000171135.15	4618
## ENSG00000163701.19	160
## ENSG00000163702.21	111
## ENSG00000163703.20	339
## ENSG00000163704.13	701
## ENSG00000230082.1	29
## ENSG00000269982.1	97
## ENSG00000125037.13	5120
## ENSG00000291224.1	102
## ENSG00000180385.11	18
## ENSG00000232901.1	5
## ENSG00000206567.10	203
## ENSG00000291078.1	178
## ENSG00000144554.13	5753
## ENSG00000254999.4	15075
## ENSG00000134086.9	4790
## ENSG00000134070.5	288
## ENSG00000157014.11	2111
## ENSG00000231177.4	15
## ENSG00000157017.16	93

## ENSG00000240288.8	17
## ENSG00000157020.18	13618
## ENSG00000157087.20	57
## ENSG00000132164.10	126
## ENSG00000196639.7	12
## ENSG00000197548.13	2382
## ENSG00000144560.16	4876
## ENSG00000144559.11	1166
## ENSG00000157152.17	126
## ENSG00000157150.5	29
## ENSG00000132170.24	1505
## ENSG00000154743.19	1998
## ENSG00000225526.6	53
## ENSG00000075975.17	1381
## ENSG00000132155.14	6750
## ENSG00000088726.16	6
## ENSG00000213943.3	47
## ENSG00000144712.13	990
## ENSG00000272263.1	49
## ENSG00000144713.13	99282
## ENSG00000144711.17	4054
## ENSG00000132182.13	17432
## ENSG00000163517.15	1204
## ENSG00000163520.14	450
## ENSG00000154764.6	86
## ENSG00000287059.1	9
## ENSG00000163528.13	1887
## ENSG00000170876.8	7298
## ENSG00000268279.4	9
## ENSG00000228242.6	31
## ENSG00000154767.15	5031
## ENSG00000170860.4	6025
## ENSG00000131389.18	6213
## ENSG00000144596.13	769
## ENSG00000234123.1	5
## ENSG00000154781.17	1969
## ENSG00000131379.10	22
## ENSG00000154783.12	158
## ENSG00000225733.8	14658
## ENSG00000177463.16	684
## ENSG00000131368.9	1635
## ENSG00000131381.12	2626
## ENSG00000131375.10	4896
## ENSG00000224660.2	217
## ENSG00000131370.16	904
## ENSG00000206562.12	1887
## ENSG00000144597.14	8121
## ENSG00000249786.8	3
## ENSG00000206561.14	87
## ENSG00000131373.15	1215
## ENSG00000169814.17	3075
## ENSG00000206560.12	4927
## ENSG00000287042.3	18
## ENSG00000224728.1	11

## ENSG00000286689.1	13
## ENSG00000131386.20	47
## ENSG00000154813.10	6175
## ENSG00000154814.14	1386
## ENSG00000131378.14	611
## ENSG00000271964.1	2
## ENSG00000272498.1	34
## ENSG00000272529.1	7
## ENSG00000154822.18	2084
## ENSG00000131374.15	6332
## ENSG00000213383.2	2
## ENSG00000274840.5	73
## ENSG00000182568.18	3301
## ENSG00000228956.9	249
## ENSG00000236570.1	9
## ENSG00000183960.9	304
## ENSG00000287069.1	219
## ENSG00000163576.18	43
## ENSG00000144566.11	6173
## ENSG00000289138.1	90
## ENSG00000183977.14	32
## ENSG00000114166.8	327
## ENSG00000129810.15	1406
## ENSG00000231304.2	7
## ENSG00000151789.13	76
## ENSG00000225542.2	8
## ENSG00000293339.1	40
## ENSG00000182247.11	3262
## ENSG00000223791.1	9
## ENSG00000170142.12	6523
## ENSG00000197885.11	1238
## ENSG00000174748.22	141501
## ENSG00000174738.13	2473
## ENSG00000151090.20	14753
## ENSG00000289130.2	6
## ENSG00000228791.8	70
## ENSG00000272554.3	11
## ENSG00000077092.20	1041
## ENSG00000077097.17	34765
## ENSG00000151092.18	3073
## ENSG00000151093.8	832
## ENSG00000179796.13	16
## ENSG00000163491.18	53
## ENSG00000224237.1	9
## ENSG00000033867.18	14819
## ENSG00000293322.1	203
## ENSG00000272282.1	15
## ENSG00000163508.13	18
## ENSG00000225548.7	23
## ENSG00000235493.2	8
## ENSG00000187118.14	918
## ENSG00000163512.14	2056
## ENSG00000206559.8	20
## ENSG00000144642.22	541

## ENSG00000235904.3	23
## ENSG00000163513.19	4930
## ENSG00000261468.1	11
## ENSG00000144644.15	3486
## ENSG00000288926.2	66
## ENSG00000163527.10	44665
## ENSG00000144645.16	2123
## ENSG00000197385.6	125
## ENSG00000152642.11	1169
## ENSG00000261572.2	165
## ENSG00000170293.9	1066
## ENSG00000234737.1	35
## ENSG00000153551.14	3400
## ENSG00000091317.8	10964
## ENSG00000144635.9	6880
## ENSG00000237676.1	6
## ENSG00000182973.20	4301
## ENSG00000227337.1	13
## ENSG00000206557.6	25504
## ENSG00000170266.16	17818
## ENSG00000188167.9	176
## ENSG00000170275.15	17148
## ENSG00000173705.9	274
## ENSG00000153558.17	1015
## ENSG00000153560.12	12029
## ENSG00000163539.19	7484
## ENSG00000271643.2	465
## ENSG00000170248.15	16678
## ENSG00000226320.6	113
## ENSG00000236452.1	26
## ENSG00000228767.1	2
## ENSG00000172995.17	58
## ENSG00000144681.11	1483
## ENSG00000163673.8	22
## ENSG00000230067.4	11
## ENSG00000279727.1	12
## ENSG00000281100.1	51
## ENSG00000168016.15	4792
## ENSG00000178567.8	3079
## ENSG00000076242.17	6830
## ENSG00000224858.5	94
## ENSG00000093167.18	3729
## ENSG00000224080.1	38
## ENSG00000270194.2	109
## ENSG00000144674.19	10645
## ENSG00000230409.3	210
## ENSG00000198590.12	10
## ENSG00000144668.12	1222
## ENSG00000235257.11	336
## ENSG00000236411.1	8
## ENSG00000144677.15	8858
## ENSG00000136059.16	576
## ENSG00000187091.14	4535
## ENSG00000008226.20	27

## ENSG00000060971.19	4999
## ENSG00000172936.18	3532
## ENSG00000172939.9	10628
## ENSG00000144671.11	8
## ENSG00000093217.11	487
## ENSG00000229589.1	378
## ENSG00000114739.14	11560
## ENSG00000157036.13	716
## ENSG00000232439.1	5
## ENSG00000183873.18	167
## ENSG00000168356.13	35
## ENSG00000114742.14	6215
## ENSG00000114745.15	3832
## ENSG00000168026.19	115
## ENSG00000144655.15	591
## ENSG00000284669.1	4
## ENSG00000287620.1	20
## ENSG00000168334.9	4
## ENSG00000168329.14	5
## ENSG00000287780.1	14
## ENSG00000223668.1	37
## ENSG00000144659.13	4740
## ENSG00000168028.15	172539
## ENSG00000168314.19	10
## ENSG00000170011.14	52
## ENSG00000280739.5	71
## ENSG00000114784.4	6020
## ENSG00000223797.8	110
## ENSG00000168032.10	53
## ENSG00000188846.14	89349
## ENSG00000177873.14	743
## ENSG00000177842.12	1135
## ENSG00000172888.12	2728
## ENSG00000234287.1	31
## ENSG00000168036.18	59817
## ENSG00000168038.11	505
## ENSG00000182606.17	9471
## ENSG00000187094.12	42
## ENSG00000114812.13	99
## ENSG00000232354.8	1
## ENSG00000093183.14	4148
## ENSG00000008324.12	2051
## ENSG00000289558.2	11
## ENSG00000114857.19	3097
## ENSG00000230084.8	35
## ENSG00000114853.15	507
## ENSG00000244607.7	10
## ENSG00000280571.2	6
## ENSG00000173811.11	19
## ENSG00000181061.14	10122
## ENSG00000144648.16	32
## ENSG00000273328.5	6
## ENSG00000182983.15	38
## ENSG00000144649.10	118

## ENSG00000144647.7	2740
## ENSG00000163788.14	2413
## ENSG00000234617.2	9
## ENSG00000160746.13	4408
## ENSG00000223916.1	19
## ENSG00000011198.10	1898
## ENSG00000272121.1	14
## ENSG00000280435.1	44
## ENSG00000261786.1	92
## ENSG00000179152.20	2663
## ENSG00000185219.18	5248
## ENSG00000178917.18	681
## ENSG00000196345.13	1064
## ENSG00000236869.3	34
## ENSG00000144792.9	973
## ENSG00000214820.3	145
## ENSG00000186448.15	4603
## ENSG00000233509.2	15
## ENSG00000169981.11	1831
## ENSG00000272077.1	186
## ENSG00000196653.12	640
## ENSG00000186446.12	688
## ENSG00000163807.6	4538
## ENSG00000163808.17	3966
## ENSG00000169964.8	609
## ENSG00000163810.13	7
## ENSG00000163812.16	9202
## ENSG00000075914.13	4690
## ENSG00000163814.8	3084
## ENSG00000224094.1	93
## ENSG00000249992.2	353
## ENSG00000011376.12	6175
## ENSG00000144791.10	2009
## ENSG00000230530.2	16
## ENSG00000211456.14	4588
## ENSG00000288720.2	7
## ENSG00000163818.20	2001
## ENSG00000163820.16	2239
## ENSG00000172215.6	12
## ENSG00000183625.16	8
## ENSG00000163823.4	4
## ENSG00000121797.10	23
## ENSG00000012223.13	37
## ENSG00000163827.14	70
## ENSG00000241186.10	15
## ENSG00000178038.17	701
## ENSG00000181585.7	72
## ENSG00000284672.1	23
## ENSG00000293417.1	6
## ENSG00000226074.6	10
## ENSG00000160808.12	1369
## ENSG00000160801.14	103
## ENSG00000273682.1	9
## ENSG00000160799.12	2693

## ENSG00000160796.18	11267
## ENSG00000181555.22	9354
## ENSG00000227398.6	454
## ENSG00000088727.14	1129
## ENSG00000114648.12	3424
## ENSG00000280173.1	349
## ENSG00000289507.1	128
## ENSG00000260236.2	40
## ENSG00000076201.16	6830
## ENSG00000114650.21	14244
## ENSG00000163832.16	2859
## ENSG00000114646.10	110
## ENSG00000173473.11	59705
## ENSG00000132153.15	13105
## ENSG00000047849.22	40663
## ENSG00000164045.12	6088
## ENSG00000164048.14	2111
## ENSG00000199476.1	5
## ENSG00000172113.10	2896
## ENSG00000289043.1	11
## ENSG00000164049.14	24
## ENSG00000164050.13	13812
## ENSG00000164051.14	2280
## ENSG00000232112.3	6743
## ENSG00000164053.22	1877
## ENSG00000164054.17	22501
## ENSG00000114268.12	2456
## ENSG00000145040.4	5
## ENSG00000114270.18	203
## ENSG00000010256.11	22068
## ENSG00000225697.13	2199
## ENSG00000008300.17	3391
## ENSG00000228350.1	21
## ENSG00000213672.8	2223
## ENSG00000068745.15	9775
## ENSG00000114302.17	10069
## ENSG00000224424.8	37
## ENSG00000178537.10	953
## ENSG00000221883.4	31
## ENSG00000177479.20	8594
## ENSG00000235236.1	10
## ENSG00000223343.1	7
## ENSG00000178467.18	2301
## ENSG00000285416.1	14
## ENSG00000178252.19	15217
## ENSG00000178149.17	2009
## ENSG00000178057.15	3094
## ENSG00000178035.13	187
## ENSG00000198218.12	80
## ENSG00000172053.18	28727
## ENSG00000172046.21	6983
## ENSG00000172037.14	12202
## ENSG00000270441.1	53
## ENSG00000177352.10	3083

## ENSG00000185909.15	3110
## ENSG00000188315.8	334
## ENSG00000114316.13	5910
## ENSG00000233276.9	4750
## ENSG00000067560.14	37162
## ENSG00000145022.5	1442
## ENSG00000145020.16	13
## ENSG00000173402.13	36111
## ENSG00000164061.5	462
## ENSG00000164062.13	22402
## ENSG00000173531.16	263
## ENSG00000164068.16	2990
## ENSG00000173540.14	2758
## ENSG00000176095.12	7713
## ENSG00000182179.13	12
## ENSG00000183763.9	776
## ENSG00000164076.17	100
## ENSG00000164078.14	62
## ENSG00000164077.15	666
## ENSG00000004534.15	6807
## ENSG00000003756.17	4322
## ENSG00000235016.1	18
## ENSG00000001617.12	2831
## ENSG00000188338.15	529
## ENSG00000114353.17	20294
## ENSG00000230454.1	22
## ENSG00000232352.3	9
## ENSG00000012171.20	2708
## ENSG00000179564.4	2
## ENSG00000214706.12	4396
## ENSG00000186792.17	357
## ENSG00000243477.6	404
## ENSG00000114378.17	1008
## ENSG00000068001.14	6591
## ENSG00000114383.10	3163
## ENSG00000068028.18	789
## ENSG00000004838.14	88
## ENSG00000114388.14	1414
## ENSG00000114395.11	756
## ENSG00000126062.4	4551
## ENSG00000007402.12	765
## ENSG00000088543.15	852
## ENSG00000114735.10	965
## ENSG00000114737.16	595
## ENSG00000114738.11	8376
## ENSG00000289504.1	60
## ENSG00000273356.1	26
## ENSG00000088538.13	217
## ENSG00000288988.1	8
## ENSG00000145050.19	10133
## ENSG00000259956.2	17234
## ENSG00000145041.17	5336
## ENSG00000164080.14	6515
## ENSG00000164081.13	3638

## ENSG00000164082.15	20
## ENSG00000287707.1	14
## ENSG00000114767.7	4060
## ENSG00000041880.15	303
## ENSG00000280422.1	17
## ENSG00000180929.6	8
## ENSG00000090097.22	10279
## ENSG00000114779.20	858
## ENSG00000248487.10	373
## ENSG00000243989.9	77
## ENSG00000162244.12	108013
## ENSG00000164086.10	1962
## ENSG00000164087.8	2635
## ENSG00000023330.15	5333
## ENSG00000247596.10	3167
## ENSG00000243224.2	31
## ENSG00000164088.18	719
## ENSG00000164091.12	24568
## ENSG00000168237.18	976
## ENSG00000242797.3	10
## ENSG00000114841.18	201
## ENSG00000239557.1	6
## ENSG00000163930.10	9953
## ENSG00000010318.22	171
## ENSG00000010319.7	32
## ENSG00000114854.8	2588
## ENSG00000010322.16	12343
## ENSG00000010327.10	36
## ENSG00000168268.11	29734
## ENSG00000168273.8	561
## ENSG00000163939.19	11468
## ENSG00000163938.17	13211
## ENSG00000212493.1	6
## ENSG00000222345.1	11
## ENSG00000212452.1	12
## ENSG00000016864.19	6152
## ENSG00000114902.14	7744
## ENSG00000114904.13	2894
## ENSG00000275956.1	11
## ENSG00000055957.11	8
## ENSG00000162267.14	16
## ENSG00000243696.5	6
## ENSG00000248592.7	4
## ENSG00000213533.13	153
## ENSG00000289519.1	66
## ENSG00000163935.14	1299
## ENSG00000272305.5	18
## ENSG00000280417.1	15
## ENSG00000163933.10	4065
## ENSG00000163932.16	6228
## ENSG00000163931.17	51757
## ENSG00000272886.6	4810
## ENSG00000157388.20	126
## ENSG00000016391.11	1645

## ENSG00000056736.10	659
## ENSG00000271976.1	442
## ENSG00000113812.14	3876
## ENSG00000113811.12	3629
## ENSG00000157445.16	346
## ENSG00000144771.8	22
## ENSG00000114251.15	2863
## ENSG00000244586.1	86
## ENSG00000187672.15	668
## ENSG00000180376.17	1408
## ENSG00000163946.14	7393
## ENSG00000163947.12	2364
## ENSG00000186451.2	34
## ENSG00000144730.19	3676
## ENSG00000163666.10	39
## ENSG00000157500.12	6820
## ENSG00000239388.10	33
## ENSG00000174844.15	35
## ENSG00000174840.9	2495
## ENSG00000168374.11	24878
## ENSG00000272146.6	5
## ENSG00000174839.13	3643
## ENSG00000163681.17	4812
## ENSG00000136068.16	147420
## ENSG00000244161.1	31
## ENSG00000163686.15	1209
## ENSG00000163684.12	971
## ENSG00000255154.9	9
## ENSG00000168297.16	970
## ENSG00000168291.13	6473
## ENSG00000272360.2	10
## ENSG00000168301.13	1050
## ENSG00000168306.13	344
## ENSG00000163689.21	572
## ENSG00000189283.11	637
## ENSG00000144724.20	8100
## ENSG00000226360.5	328
## ENSG00000241472.8	233
## ENSG00000114405.11	834
## ENSG00000163618.18	2611
## ENSG00000242841.1	15
## ENSG00000163630.11	52
## ENSG00000241359.1	72
## ENSG00000188817.8	8
## ENSG00000163632.15	10
## ENSG00000163634.12	4700
## ENSG00000163635.20	2004
## ENSG00000239653.1	23
## ENSG00000271843.1	19
## ENSG00000163636.11	10230
## ENSG00000163637.13	2052
## ENSG00000163638.13	10913
## ENSG00000241158.7	154
## ENSG00000241684.8	38

## ENSG00000151276.24	15583
## ENSG00000270059.1	26
## ENSG00000272610.1	8
## ENSG00000144741.19	2462
## ENSG00000144749.14	842
## ENSG00000163376.11	942
## ENSG00000172340.15	7902
## ENSG00000242510.1	14
## ENSG00000241316.8	207
## ENSG00000214552.4	12
## ENSG00000241506.1	167
## ENSG00000163377.16	25
## ENSG00000163378.14	813
## ENSG00000244513.7	7
## ENSG00000144747.17	3457
## ENSG00000144744.18	4749
## ENSG00000144746.7	7076
## ENSG00000163380.16	10
## ENSG00000114541.15	3854
## ENSG00000187098.18	1041
## ENSG00000114861.24	5550
## ENSG00000270562.1	20
## ENSG00000163412.13	2872
## ENSG00000170837.3	737
## ENSG00000241163.10	20
## ENSG00000243083.8	12
## ENSG00000163602.12	7391
## ENSG00000144736.14	3174
## ENSG00000271266.1	2
## ENSG00000172986.13	1027
## ENSG00000242960.1	24
## ENSG00000163605.16	13791
## ENSG00000255423.1	41
## ENSG00000121440.15	1407
## ENSG00000278934.1	27
## ENSG00000113805.9	711
## ENSG00000213300.5	142
## ENSG00000291223.1	1084
## ENSG00000238278.3	144
## ENSG00000272690.6	68
## ENSG00000293315.1	18
## ENSG00000241622.1	4
## ENSG00000172969.8	5
## ENSG00000242516.4	708
## ENSG00000227124.11	249
## ENSG00000185008.19	2388
## ENSG00000240809.1	15
## ENSG00000169855.21	17032
## ENSG00000240964.3	3
## ENSG00000286329.2	156
## ENSG00000242828.1	43
## ENSG00000242781.2	15
## ENSG00000243694.5	14
## ENSG00000114480.13	2799

## ENSG00000241095.1	12
## ENSG00000175161.14	1993
## ENSG00000206538.9	1029
## ENSG00000241293.1	11
## ENSG00000083937.10	5812
## ENSG00000163320.12	7643
## ENSG00000175105.8	1316
## ENSG00000179021.10	3108
## ENSG00000044524.11	27
## ENSG00000184500.16	2567
## ENSG00000169379.17	1314
## ENSG00000178700.9	634
## ENSG00000178694.10	1311
## ENSG00000242457.1	23
## ENSG00000178660.6	31
## ENSG00000243547.1	276
## ENSG00000241018.1	6
## ENSG00000286447.1	105
## ENSG00000080224.18	1153
## ENSG00000113966.11	669
## ENSG00000080200.10	651
## ENSG00000170854.18	1148
## ENSG00000080822.17	5640
## ENSG00000286602.1	21
## ENSG00000080819.9	3422
## ENSG00000239445.6	92
## ENSG00000064225.13	4821
## ENSG00000249274.1	43
## ENSG00000057019.16	11093
## ENSG00000144810.16	145
## ENSG00000273374.1	5
## ENSG00000184220.12	1621
## ENSG00000168386.19	62883
## ENSG00000287378.1	99
## ENSG00000036054.13	10335
## ENSG00000114021.12	5928
## ENSG00000154174.8	13374
## ENSG00000206535.8	783
## ENSG00000181458.10	1264
## ENSG00000144820.8	242
## ENSG00000114354.15	12770
## ENSG00000154175.19	33
## ENSG00000081148.12	19
## ENSG00000138468.16	1684
## ENSG00000282978.1	76
## ENSG00000174173.7	4728
## ENSG00000081154.12	17603
## ENSG00000242299.1	607
## ENSG00000289629.1	16
## ENSG00000066422.7	3353
## ENSG00000256628.4	184
## ENSG00000114391.14	74352
## ENSG00000293268.1	33
## ENSG00000182504.12	1756

## ENSG00000144815.18	671
## ENSG00000144802.11	761
## ENSG00000170044.9	25
## ENSG00000170017.12	7899
## ENSG00000114423.23	3112
## ENSG00000288848.2	7
## ENSG00000242759.10	7
## ENSG00000243701.8	500
## ENSG00000239828.9	8
## ENSG00000114439.19	8737
## ENSG00000279277.2	11
## ENSG00000196776.17	7946
## ENSG00000114446.5	7957
## ENSG00000114455.15	362
## ENSG00000144821.11	69
## ENSG00000241634.1	55
## ENSG00000163507.15	4251
## ENSG00000198919.13	2974
## ENSG00000214381.6	11
## ENSG00000121570.13	544
## ENSG00000244722.1	2
## ENSG00000242242.7	577
## ENSG00000289069.1	57
## ENSG00000177707.11	4175
## ENSG00000153283.13	46
## ENSG00000240787.1	8
## ENSG00000240891.8	1429
## ENSG00000144824.21	15366
## ENSG00000286492.1	8
## ENSG00000144827.9	3017
## ENSG00000144834.14	602
## ENSG00000176040.14	16
## ENSG00000114529.13	1741
## ENSG00000174500.13	125
## ENSG00000261488.1	49
## ENSG00000172139.15	9
## ENSG00000244144.1	14
## ENSG00000239482.6	37
## ENSG00000091972.18	3320
## ENSG00000279349.1	9
## ENSG00000144848.11	2709
## ENSG00000138459.9	3048
## ENSG00000091986.16	16488
## ENSG00000163606.11	18
## ENSG00000163607.18	1342
## ENSG00000163608.15	6156
## ENSG00000240057.8	32
## ENSG00000243795.1	14
## ENSG00000144857.15	224
## ENSG00000206530.11	134
## ENSG00000285943.1	6
## ENSG00000163611.11	235
## ENSG00000072858.11	7
## ENSG00000176542.10	1922

## ENSG00000121579.14	21740
## ENSG00000114573.12	8390
## ENSG00000178075.20	115
## ENSG00000240776.1	34
## ENSG00000241889.1	14
## ENSG00000184307.17	855
## ENSG00000163617.11	450
## ENSG00000151576.10	4172
## ENSG00000181722.18	280
## ENSG00000172020.13	3802
## ENSG00000185565.13	6163
## ENSG00000198406.7	266
## ENSG00000243014.1	14
## ENSG00000239268.5	125
## ENSG00000241213.2	9
## ENSG00000243276.6	2
## ENSG00000144847.13	160
## ENSG00000114638.8	323
## ENSG00000121578.13	6629
## ENSG00000031081.11	333
## ENSG00000241155.1	25
## ENSG00000176142.13	3385
## ENSG00000163389.12	2645
## ENSG00000113845.10	5293
## ENSG00000144843.12	399
## ENSG00000144837.9	283
## ENSG00000121577.14	30
## ENSG00000138495.7	1219
## ENSG00000286584.3	16
## ENSG00000183833.16	1000
## ENSG00000144852.20	21
## ENSG00000082701.17	11862
## ENSG00000242622.4	119
## ENSG00000175697.11	113
## ENSG00000240882.1	9
## ENSG00000163428.4	5762
## ENSG00000293512.1	39
## ENSG00000163430.13	84482
## ENSG00000065518.8	10747
## ENSG00000113924.12	1625
## ENSG00000144840.10	2989
## ENSG00000153767.10	3257
## ENSG00000213371.4	19
## ENSG00000286827.1	45
## ENSG00000145087.14	852
## ENSG00000051341.15	1658
## ENSG00000242445.1	35
## ENSG00000180353.11	7
## ENSG00000173230.17	15149
## ENSG00000288868.2	135
## ENSG00000173226.17	2874
## ENSG00000145088.9	54
## ENSG00000163406.11	275
## ENSG00000145103.15	55

## ENSG00000036828.17	193
## ENSG00000160124.9	2485
## ENSG00000114023.16	4019
## ENSG00000196981.4	737
## ENSG00000272758.7	45
## ENSG00000114030.13	9047
## ENSG00000287207.1	5
## ENSG00000138496.17	1386
## ENSG00000163840.10	3318
## ENSG00000173200.13	7
## ENSG00000173193.15	2423
## ENSG00000169087.11	738
## ENSG00000138463.9	3208
## ENSG00000273033.2	798
## ENSG00000082684.16	364
## ENSG00000065485.20	4055
## ENSG00000121542.12	817
## ENSG00000173175.16	308
## ENSG00000206527.10	9731
## ENSG00000239523.8	259
## ENSG00000065534.20	626
## ENSG00000175455.16	3179
## ENSG00000160145.16	3290
## ENSG00000240622.1	14
## ENSG00000114491.14	5185
## ENSG00000082781.12	9337
## ENSG00000173702.7	785
## ENSG00000173706.15	60037
## ENSG00000288022.1	143
## ENSG00000221955.11	976
## ENSG00000163848.21	5384
## ENSG00000114520.11	5636
## ENSG00000252965.1	17
## ENSG00000144909.8	4034
## ENSG00000284624.1	14
## ENSG00000241288.8	30
## ENSG00000248787.2	5
## ENSG00000291071.1	140
## ENSG00000291096.1	19
## ENSG00000114544.17	3323
## ENSG00000250012.2	32
## ENSG00000144908.14	68
## ENSG00000287232.1	5
## ENSG00000163884.4	635
## ENSG00000163885.12	8
## ENSG00000070476.15	1877
## ENSG00000180767.11	112
## ENSG00000197763.20	1748
## ENSG00000248557.1	21
## ENSG00000159685.11	2234
## ENSG00000280053.1	5
## ENSG00000114554.12	28591
## ENSG00000287784.1	14
## ENSG00000163870.16	2121

## ENSG00000073111.14	14267
## ENSG00000114631.11	13192
## ENSG00000114626.18	564
## ENSG00000074416.16	1742
## ENSG00000187715.13	9
## ENSG00000058262.11	45217
## ENSG00000175792.12	13631
## ENSG00000132394.11	1531
## ENSG00000179348.13	70
## ENSG00000244300.3	49
## ENSG00000239405.1	9
## ENSG00000163902.12	48302
## ENSG00000075785.14	18702
## ENSG00000242992.3	5
## ENSG00000290241.1	9
## ENSG00000261159.1	9
## ENSG00000231305.4	30
## ENSG00000250796.1	7
## ENSG00000287110.3	51
## ENSG00000177646.20	4162
## ENSG00000114656.13	412
## ENSG00000114654.8	19
## ENSG00000172780.17	205
## ENSG00000273174.1	14
## ENSG00000240682.10	654
## ENSG00000288996.2	5
## ENSG00000273437.1	10
## ENSG00000169714.17	36945
## ENSG00000289469.2	16
## ENSG00000181789.14	18581
## ENSG00000286729.1	17
## ENSG00000183624.14	3698
## ENSG00000184897.7	7768
## ENSG00000206417.8	213
## ENSG00000270492.1	1
## ENSG00000244932.2	24
## ENSG00000290993.1	373
## ENSG00000172771.13	92
## ENSG00000163913.14	2246
## ENSG00000129071.10	2390
## ENSG00000004399.13	3265
## ENSG00000172765.19	4299
## ENSG00000203644.3	536
## ENSG00000271270.8	167
## ENSG00000170893.4	76
## ENSG00000251287.9	7
## ENSG00000248243.1	11
## ENSG00000291081.1	195
## ENSG00000249846.7	159
## ENSG00000206384.11	10
## ENSG00000196455.8	4947
## ENSG00000232829.3	6
## ENSG00000017260.20	22037
## ENSG00000034533.12	931

## ENSG00000114670.14	518
## ENSG00000250608.2	17
## ENSG00000293492.1	769
## ENSG00000198585.12	5041
## ENSG00000261167.1	221
## ENSG00000114686.9	15145
## ENSG00000196353.13	130
## ENSG00000242899.1	37
## ENSG00000014257.17	93
## ENSG00000138246.17	5893
## ENSG00000240303.8	63
## ENSG00000081307.15	4221
## ENSG00000113971.21	298
## ENSG00000144868.14	310
## ENSG00000091527.17	25758
## ENSG00000163781.14	7303
## ENSG00000091513.16	94
## ENSG00000144867.13	7562
## ENSG00000154917.11	3151
## ENSG00000174640.15	782
## ENSG00000163785.14	8026
## ENSG00000260633.1	13
## ENSG00000114019.15	14959
## ENSG00000129055.13	7090
## ENSG00000182923.20	764
## ENSG00000174611.12	11
## ENSG00000154928.19	456
## ENSG00000240086.7	159
## ENSG00000073711.11	6690
## ENSG00000174579.5	4551
## ENSG00000114054.14	6542
## ENSG00000118007.13	4915
## ENSG00000240695.1	16
## ENSG00000168917.9	377
## ENSG00000239213.7	249
## ENSG00000273486.1	105
## ENSG00000158092.7	2388
## ENSG00000174564.13	48
## ENSG00000241478.1	27
## ENSG00000066405.13	9671
## ENSG00000158163.15	1301
## ENSG00000240668.1	155
## ENSG00000118017.4	40
## ENSG00000138231.14	3030
## ENSG00000114098.18	3931
## ENSG00000181322.15	54
## ENSG00000158186.13	2477
## ENSG00000158220.14	194
## ENSG00000280399.1	15
## ENSG00000114107.9	4052
## ENSG00000158234.13	1806
## ENSG00000051382.9	5160
## ENSG00000241429.1	41
## ENSG00000183770.7	62

## ENSG00000206262.9	21
## ENSG00000175110.14	3629
## ENSG00000184432.11	21394
## ENSG00000248932.8	560
## ENSG00000114113.6	9
## ENSG00000178631.7	46
## ENSG00000114115.11	22749
## ENSG00000163864.18	1919
## ENSG00000158258.16	92807
## ENSG00000249290.5	6
## ENSG00000114120.14	6569
## ENSG00000248773.1	5
## ENSG00000175093.5	1563
## ENSG00000155893.13	3726
## ENSG00000177311.12	2442
## ENSG00000155903.14	1137
## ENSG00000114125.14	5825
## ENSG00000114124.3	7
## ENSG00000069849.11	18210
## ENSG00000244124.1	6
## ENSG00000114126.18	7621
## ENSG00000233597.3	33
## ENSG00000175066.16	1179
## ENSG00000114127.11	2017
## ENSG00000175054.16	3096
## ENSG00000120756.13	3481
## ENSG00000144935.17	621
## ENSG00000163710.9	154
## ENSG00000240950.1	34
## ENSG00000188582.10	111
## ENSG00000163714.18	12395
## ENSG00000175040.6	225
## ENSG00000244171.4	44
## ENSG00000181804.15	13
## ENSG00000243759.1	10
## ENSG00000181744.9	9367
## ENSG00000239797.1	16
## ENSG00000152952.14	10068
## ENSG00000261051.1	39
## ENSG00000243415.2	10
## ENSG00000240032.1	21
## ENSG00000114698.15	62
## ENSG00000188313.13	2336
## ENSG00000174963.18	42
## ENSG00000152977.10	131
## ENSG00000239922.2	0
## ENSG00000144891.19	660
## ENSG00000153002.12	194
## ENSG00000241627.3	27
## ENSG00000163754.18	5717
## ENSG00000071794.16	4447
## ENSG00000163755.9	3517
## ENSG00000047457.14	660
## ENSG00000286714.1	2

## ENSG00000244468.1	13
## ENSG00000163762.7	134
## ENSG00000169908.12	6278
## ENSG00000240541.3	10
## ENSG00000169903.7	21760
## ENSG00000244503.1	150
## ENSG00000018408.15	3664
## ENSG00000241313.3	9
## ENSG00000114744.9	5550
## ENSG00000206199.11	10
## ENSG00000082996.20	3952
## ENSG00000070087.15	24282
## ENSG00000242791.2	10
## ENSG00000224831.3	85
## ENSG00000196428.13	2813
## ENSG00000120742.11	17199
## ENSG00000144895.12	10088
## ENSG00000198843.14	8230
## ENSG00000240137.8	128
## ENSG00000181788.4	3033
## ENSG00000244265.2	5
## ENSG00000144893.13	700
## ENSG00000138271.6	58
## ENSG00000152580.9	1094
## ENSG00000291076.1	8
## ENSG00000114771.14	3
## ENSG00000198829.6	0
## ENSG00000152601.18	2273
## ENSG00000229619.6	84
## ENSG00000169860.7	2324
## ENSG00000289885.1	8
## ENSG00000181467.5	8700
## ENSG00000238755.3	13
## ENSG00000243486.1	2
## ENSG00000243069.9	14
## ENSG00000114790.13	1331
## ENSG00000174953.14	11090
## ENSG00000174948.6	16
## ENSG00000196549.13	532
## ENSG00000239443.1	11
## ENSG00000114805.18	2396
## ENSG00000241307.1	8
## ENSG00000174928.16	185
## ENSG00000169359.16	1270
## ENSG00000286585.3	16
## ENSG00000163655.16	20159
## ENSG00000240489.1	245
## ENSG00000169282.19	144
## ENSG00000287916.1	13
## ENSG00000272990.1	13
## ENSG00000114850.7	24054
## ENSG00000243926.3	33
## ENSG00000163659.13	5215
## ENSG00000174912.7	12

## ENSG00000240875.6	30
## ENSG00000230457.3	50
## ENSG00000197980.14	39
## ENSG00000243629.2	5
## ENSG00000163660.12	2441
## ENSG00000244515.1	53
## ENSG00000241770.1	9
## ENSG00000243176.8	161
## ENSG00000197415.12	245
## ENSG00000163661.4	273
## ENSG00000293490.1	16
## ENSG00000168779.21	27
## ENSG00000174891.14	4101
## ENSG00000178053.21	2412
## ENSG00000168827.15	5550
## ENSG00000079257.8	507
## ENSG00000118849.10	107
## ENSG00000118855.21	1281
## ENSG00000240207.7	26
## ENSG00000271778.1	3
## ENSG00000283154.3	124
## ENSG00000151967.18	25
## ENSG00000244040.7	26
## ENSG00000168811.8	12
## ENSG00000184100.6	54
## ENSG00000180044.6	247
## ENSG00000068885.15	1030
## ENSG00000113810.16	9913
## ENSG00000213186.8	1988
## ENSG00000244009.1	10
## ENSG00000186432.10	16173
## ENSG00000293192.1	108
## ENSG00000229320.4	167
## ENSG00000179674.4	154
## ENSG00000260572.1	27
## ENSG00000163590.14	7144
## ENSG00000169255.15	1854
## ENSG00000169251.13	8723
## ENSG00000196542.9	3644
## ENSG00000234851.4	401
## ENSG00000090402.8	120
## ENSG00000121871.4	56
## ENSG00000114200.10	608
## ENSG00000169064.13	123
## ENSG00000174776.12	3
## ENSG00000114209.15	3952
## ENSG00000163536.13	1140
## ENSG00000173905.9	6808
## ENSG00000293389.1	23
## ENSG00000085276.19	14718
## ENSG00000241479.1	10
## ENSG00000213178.3	120
## ENSG00000184378.3	206
## ENSG00000269889.1	8

## ENSG00000085274.16	1673
## ENSG00000269984.1	18
## ENSG00000171757.17	264
## ENSG00000188306.7	3
## ENSG00000114248.10	185
## ENSG00000239219.2	9
## ENSG00000008952.17	14535
## ENSG00000173890.17	1296
## ENSG00000173889.16	2818
## ENSG00000163558.13	9738
## ENSG00000136603.15	3423
## ENSG00000013297.12	333
## ENSG00000013293.6	131
## ENSG00000241416.1	15
## ENSG00000163584.18	5529
## ENSG00000163577.8	402
## ENSG00000163581.14	1025
## ENSG00000154310.17	9836
## ENSG00000240497.3	15
## ENSG00000279673.2	249
## ENSG00000075651.17	9545
## ENSG00000075420.13	12192
## ENSG00000236686.1	6
## ENSG00000121858.11	229
## ENSG00000144959.11	868
## ENSG00000114346.14	8072
## ENSG00000227440.1	16
## ENSG00000169760.18	170
## ENSG00000213169.3	32
## ENSG00000177694.16	145
## ENSG00000214192.3	17
## ENSG00000230362.1	6
## ENSG00000223715.3	33
## ENSG00000177565.19	14368
## ENSG00000203645.2	6
## ENSG00000228221.6	9
## ENSG00000231574.7	17
## ENSG00000223930.9	10
## ENSG00000197584.13	7
## ENSG00000237978.6	36
## ENSG00000172667.11	8870
## ENSG00000121879.6	3260
## ENSG00000171121.17	71
## ENSG00000240429.1	99
## ENSG00000121864.10	4270
## ENSG00000260743.1	24
## ENSG00000171109.19	4083
## ENSG00000289574.1	3
## ENSG00000114450.11	644
## ENSG00000136518.17	9463
## ENSG00000272910.1	17
## ENSG00000136522.14	6390
## ENSG00000136521.13	3090
## ENSG00000288698.1	5

## ENSG00000243977.1	5
## ENSG00000058056.10	1803
## ENSG00000114757.19	195
## ENSG00000163728.11	1057
## ENSG00000284862.3	20
## ENSG00000114416.19	24820
## ENSG00000205981.9	2135
## ENSG00000242808.12	14
## ENSG00000206932.1	9
## ENSG00000181449.4	1872
## ENSG00000058063.16	9414
## ENSG00000273261.1	24
## ENSG00000043093.15	6579
## ENSG00000078070.14	2690
## ENSG00000078081.8	159
## ENSG00000053524.13	76
## ENSG00000176597.12	3613
## ENSG00000291106.1	621
## ENSG00000172578.12	4
## ENSG00000114796.16	4749
## ENSG00000163872.16	8809
## ENSG00000233885.7	16
## ENSG00000180834.8	6
## ENSG00000175193.14	1045
## ENSG00000114770.17	3739
## ENSG00000223529.1	72
## ENSG00000205955.4	10
## ENSG00000273181.1	12
## ENSG00000272721.5	16
## ENSG00000145191.15	6353
## ENSG00000228205.1	128
## ENSG00000161202.20	9745
## ENSG00000161203.14	28060
## ENSG00000161204.12	4908
## ENSG00000145198.15	1198
## ENSG00000214160.10	4657
## ENSG00000284753.2	422
## ENSG00000163888.4	126
## ENSG00000175166.17	38243
## ENSG00000114867.22	73343
## ENSG00000175182.15	1027
## ENSG00000114859.16	1410
## ENSG00000163882.10	5424
## ENSG00000090534.20	414
## ENSG00000289500.2	17
## ENSG00000090539.16	368
## ENSG00000182580.3	2219
## ENSG00000177383.5	5503
## ENSG00000272970.5	95
## ENSG00000273403.1	6
## ENSG00000156931.16	4655
## ENSG00000187068.3	282
## ENSG00000113790.11	1424
## ENSG00000073803.14	1197

## ENSG00000229638.1	960
## ENSG00000163900.11	3799
## ENSG00000163898.10	687
## ENSG00000163904.13	5857
## ENSG00000073792.16	18938
## ENSG00000136527.19	22176
## ENSG00000244405.8	3317
## ENSG00000058866.15	199
## ENSG00000226859.1	12
## ENSG00000213139.8	23
## ENSG00000113838.13	1303
## ENSG00000090520.12	7647
## ENSG00000283390.1	13
## ENSG00000145192.13	361
## ENSG00000113905.5	11
## ENSG00000113889.14	20
## ENSG00000263826.1	21
## ENSG00000156976.17	32931
## ENSG00000163918.12	3354
## ENSG00000289971.1	12
## ENSG00000223803.1	48
## ENSG00000073849.16	17639
## ENSG00000163923.10	1169
## ENSG00000127241.18	1817
## ENSG00000283175.1	8
## ENSG00000228952.1	22
## ENSG00000157005.4	1266
## ENSG00000113916.18	772
## ENSG00000285938.1	7
## ENSG00000290021.1	12
## ENSG00000270959.2	70
## ENSG00000145012.15	16477
## ENSG00000188001.10	21
## ENSG00000073282.14	16
## ENSG00000090530.10	5138
## ENSG00000225764.3	4
## ENSG00000163347.6	4315
## ENSG00000113946.4	22
## ENSG00000196083.11	1347
## ENSG00000205835.9	10
## ENSG00000188958.10	8
## ENSG00000152492.15	8031
## ENSG00000114279.15	379
## ENSG00000230126.1	19
## ENSG00000226709.1	10
## ENSG00000180611.7	2375
## ENSG00000127252.7	314
## ENSG00000187527.12	14
## ENSG00000236508.1	4
## ENSG00000127249.15	324
## ENSG00000198836.11	11936
## ENSG00000229155.2	2389
## ENSG00000230102.8	7
## ENSG00000232874.1	9

## ENSG00000114315.4	7954
## ENSG00000225742.6	55
## ENSG00000214145.8	40
## ENSG00000172061.9	23
## ENSG00000133657.17	24723
## ENSG00000233058.3	475
## ENSG00000244675.2	5
## ENSG00000231770.8	169
## ENSG00000288979.1	27
## ENSG00000145014.18	1073
## ENSG00000229334.2	19
## ENSG00000272707.1	14
## ENSG00000041802.11	5610
## ENSG00000185112.6	136
## ENSG00000173950.16	4029
## ENSG00000287005.1	3
## ENSG00000114331.16	2709
## ENSG00000229325.1	4
## ENSG00000184203.8	3555
## ENSG00000223711.2	10
## ENSG00000236844.1	1
## ENSG00000189058.9	8
## ENSG00000224769.1	5
## ENSG00000289929.1	16
## ENSG00000282206.1	6
## ENSG00000271662.1	25
## ENSG00000229178.1	7
## ENSG00000242086.8	237
## ENSG00000207650.1	10
## ENSG00000176945.18	71
## ENSG00000145113.22	399
## ENSG00000061938.21	1569
## ENSG00000286004.1	32
## ENSG00000224614.2	9
## ENSG00000290762.1	85
## ENSG00000231443.2	22
## ENSG00000290763.1	118
## ENSG00000072274.14	15475
## ENSG00000163959.10	118
## ENSG00000161217.12	5400
## ENSG00000213123.11	310
## ENSG00000237418.1	0
## ENSG00000235897.1	1
## ENSG00000163960.12	12217
## ENSG00000243339.3	16
## ENSG00000163961.4	3486
## ENSG00000185798.8	773
## ENSG00000174013.8	3300
## ENSG00000232065.2	7
## ENSG00000174004.6	63
## ENSG00000163964.18	2640
## ENSG00000174007.9	454
## ENSG00000180370.10	20783
## ENSG00000272359.1	3

## ENSG00000119231.11	4471
## ENSG00000114503.11	12719
## ENSG00000225578.1	19
## ENSG00000270170.2	1654
## ENSG00000119227.8	630
## ENSG00000286017.1	12
## ENSG00000163975.14	815
## ENSG00000228109.2	32
## ENSG00000075711.21	9183
## ENSG00000289396.1	10
## ENSG00000227375.6	11
## ENSG00000272989.1	19
## ENSG00000161267.12	1148
## ENSG00000291091.1	507
## ENSG00000249626.1	83
## ENSG00000273308.1	7
## ENSG00000286909.1	29
## ENSG00000145016.17	914
## ENSG00000122068.13	7017
## ENSG00000186001.14	4248
## ENSG00000234742.1	44
## ENSG00000114473.14	936
## ENSG00000182899.17	54599
## ENSG00000185621.11	781
## ENSG00000290937.1	90
## ENSG00000272602.6	1262
## ENSG00000289361.1	82
## ENSG00000250312.8	1129
## ENSG00000250892.1	10
## ENSG00000290382.1	162
## ENSG00000198155.6	4
## ENSG00000251188.1	106
## ENSG00000251689.1	81
## ENSG00000186777.13	640
## ENSG00000286705.2	17
## ENSG00000131127.14	1901
## ENSG00000250321.1	23
## ENSG00000272885.1	17
## ENSG00000293360.1	117
## ENSG00000251595.8	8
## ENSG00000182903.16	2460
## ENSG00000174227.16	3362
## ENSG00000273238.3	33
## ENSG00000283183.4	53
## ENSG00000133256.13	506
## ENSG00000272927.1	16
## ENSG00000169020.10	4045
## ENSG00000215375.7	312
## ENSG00000169026.13	77
## ENSG00000185619.19	4693
## ENSG00000249592.7	410
## ENSG00000168993.15	338
## ENSG00000289983.1	15
## ENSG00000178950.18	5694

## ENSG00000127419.17	582
## ENSG00000145214.14	1636
## ENSG00000145217.14	123
## ENSG00000127415.13	312
## ENSG00000127418.15	13462
## ENSG00000178222.14	135
## ENSG00000159674.12	68
## ENSG00000280927.1	33
## ENSG00000159692.18	8472
## ENSG00000196810.6	1580
## ENSG00000090316.16	6927
## ENSG00000163945.19	2008
## ENSG00000244459.4	23
## ENSG00000174137.14	88
## ENSG00000163950.13	6769
## ENSG00000013810.21	10141
## ENSG00000168936.12	3959
## ENSG00000068078.20	4802
## ENSG00000168924.15	9201
## ENSG00000109685.19	20394
## ENSG00000185049.16	3584
## ENSG00000243449.8	517
## ENSG00000185818.8	5810
## ENSG00000130997.16	10
## ENSG00000214367.10	307
## ENSG00000123933.17	8006
## ENSG00000159733.14	71
## ENSG00000206113.12	11
## ENSG00000063978.17	7129
## ENSG00000125386.16	3503
## ENSG00000168884.15	2007
## ENSG00000087266.17	3121
## ENSG00000087274.19	21045
## ENSG00000109736.15	4274
## ENSG00000249673.9	1026
## ENSG00000087269.16	9354
## ENSG00000125388.20	391
## ENSG00000197386.14	17051
## ENSG00000188981.11	16
## ENSG00000159788.20	3170
## ENSG00000248840.3	3
## ENSG00000109758.9	23
## ENSG00000175920.18	12
## ENSG00000163956.13	15233
## ENSG00000250986.1	60
## ENSG00000184160.8	453
## ENSG00000251271.3	22
## ENSG00000290374.1	411
## ENSG00000290888.1	8
## ENSG00000132406.12	1394
## ENSG00000289032.1	8
## ENSG00000145220.14	3678
## ENSG00000168826.16	253
## ENSG00000168824.15	4151

## ENSG00000168818.10	2871
## ENSG00000247708.8	365
## ENSG00000280310.1	24
## ENSG00000163132.8	16
## ENSG00000251587.1	4
## ENSG00000170891.11	26
## ENSG00000152953.13	70
## ENSG00000173040.13	616
## ENSG00000072840.13	2336
## ENSG00000072832.15	12599
## ENSG00000289414.2	6
## ENSG00000181215.17	14
## ENSG00000290803.1	54
## ENSG00000109501.15	5776
## ENSG00000286176.2	7
## ENSG00000074211.14	470
## ENSG00000013288.9	3915
## ENSG00000179010.16	35248
## ENSG00000251580.3	119
## ENSG00000170846.17	1669
## ENSG00000163993.7	325
## ENSG00000178988.11	6842
## ENSG00000186222.5	1673
## ENSG00000170871.12	10575
## ENSG00000132405.19	4942
## ENSG00000287104.2	92
## ENSG00000245748.1	11
## ENSG00000173013.6	258
## ENSG00000173011.12	2776
## ENSG00000109519.14	6448
## ENSG00000245468.5	8
## ENSG00000184985.17	454
## ENSG00000178597.7	866
## ENSG00000272620.2	15
## ENSG00000196526.11	1659
## ENSG00000163995.22	158
## ENSG00000290015.1	12
## ENSG00000250471.2	9
## ENSG00000125089.18	817
## ENSG00000170801.10	473
## ENSG00000251615.3	73
## ENSG00000087008.16	850
## ENSG00000155275.19	1122
## ENSG00000205959.4	50
## ENSG00000109625.19	5
## ENSG00000215612.8	84
## ENSG00000284636.1	8
## ENSG00000288075.1	511
## ENSG00000287972.1	19
## ENSG00000284648.1	27
## ENSG00000287117.1	10
## ENSG00000250942.1	8
## ENSG00000109667.12	79
## ENSG00000071127.18	40774

## ENSG00000178163.8	5818
## ENSG00000249334.1	8
## ENSG00000250896.1	26
## ENSG00000002587.10	323
## ENSG00000205940.9	6
## ENSG00000157869.16	1780
## ENSG00000038219.13	5795
## ENSG00000250634.6	10
## ENSG00000137449.17	587
## ENSG00000048342.18	1518
## ENSG00000273133.1	8
## ENSG00000118564.15	5706
## ENSG00000237765.8	1196
## ENSG00000109743.11	105
## ENSG00000214846.4	11
## ENSG00000004468.13	2
## ENSG00000137440.5	8
## ENSG00000007062.12	50980
## ENSG00000169762.17	1849
## ENSG00000263327.6	107
## ENSG00000169744.13	148
## ENSG00000151552.13	7411
## ENSG00000002549.13	5826
## ENSG00000249502.3	7
## ENSG00000118579.13	13969
## ENSG00000047662.5	45
## ENSG00000163257.11	4316
## ENSG00000109805.10	6981
## ENSG00000178177.17	2889
## ENSG00000235413.3	13
## ENSG00000241612.1	5
## ENSG00000145147.20	3010
## ENSG00000163138.19	1366
## ENSG00000185774.17	44
## ENSG00000286318.1	6
## ENSG00000152990.14	13916
## ENSG00000244538.1	25
## ENSG00000249948.7	242
## ENSG00000237350.1	195
## ENSG00000109819.9	159
## ENSG00000289201.1	11
## ENSG00000109606.13	26930
## ENSG00000207697.1	25
## ENSG00000109610.6	309
## ENSG00000181982.20	1179
## ENSG00000153012.12	2148
## ENSG00000109618.13	840
## ENSG00000281501.1	73
## ENSG00000038210.14	2697
## ENSG00000168228.16	949
## ENSG00000053900.11	2168
## ENSG00000157765.13	2063
## ENSG00000250050.1	6
## ENSG00000091490.11	16642

## ENSG00000250317.9	2039
## ENSG00000168214.22	11717
## ENSG00000109680.11	774
## ENSG00000109689.20	1462
## ENSG00000286321.1	15
## ENSG00000288940.1	33
## ENSG00000286596.1	71
## ENSG00000169851.16	18568
## ENSG00000251434.1	17
## ENSG00000251129.3	2293
## ENSG00000047365.13	1006
## ENSG00000197057.10	8
## ENSG00000261761.5	2
## ENSG00000174145.8	98
## ENSG00000154274.15	2483
## ENSG00000248936.1	4
## ENSG00000181826.10	3412
## ENSG00000169299.14	4926
## ENSG00000279386.1	32
## ENSG00000249863.2	109
## ENSG00000065882.18	7498
## ENSG00000231160.12	188
## ENSG00000109787.13	11399
## ENSG00000174125.8	26
## ENSG00000174130.13	29
## ENSG00000197712.12	3249
## ENSG00000121895.8	76
## ENSG00000109790.18	22441
## ENSG00000249207.2	79
## ENSG00000249685.1	32
## ENSG00000157796.18	1722
## ENSG00000035928.17	9749
## ENSG00000134962.7	176
## ENSG00000163682.17	144288
## ENSG00000121897.15	1253
## ENSG00000109814.12	20691
## ENSG00000249348.2	293
## ENSG00000287262.1	60
## ENSG00000163683.12	8542
## ENSG00000255458.9	20
## ENSG00000078140.14	19346
## ENSG00000121892.15	16958
## ENSG00000250568.1	24
## ENSG00000231707.4	16
## ENSG00000078177.15	6061
## ENSG00000260296.1	97
## ENSG00000168421.14	306
## ENSG00000163694.15	13207
## ENSG00000179299.17	853
## ENSG00000248780.1	12
## ENSG00000163697.18	8536
## ENSG00000250906.1	6
## ENSG00000154277.13	18922
## ENSG00000064042.18	1343

## ENSG00000109132.7	34
## ENSG00000245870.5	10
## ENSG00000109133.14	9945
## ENSG00000182308.7	17
## ENSG00000014824.14	13189
## ENSG00000249212.1	9
## ENSG00000188848.17	57
## ENSG00000178343.5	78
## ENSG00000124406.17	1178
## ENSG00000286891.1	10
## ENSG00000124399.4	6
## ENSG00000183783.7	461
## ENSG00000177752.15	7
## ENSG00000151806.14	5470
## ENSG00000163281.12	1073
## ENSG00000273369.1	14
## ENSG00000163285.8	3
## ENSG00000151834.16	4387
## ENSG00000249936.3	99
## ENSG00000109158.11	64
## ENSG00000163288.14	177
## ENSG00000260918.1	113
## ENSG00000169019.11	1395
## ENSG00000145246.14	1799
## ENSG00000145244.12	182
## ENSG00000242262.1	52
## ENSG00000259959.1	640
## ENSG00000170448.12	4269
## ENSG00000163293.12	13616
## ENSG00000198515.16	883
## ENSG00000074966.11	395
## ENSG00000135605.13	269
## ENSG00000109171.15	6406
## ENSG00000145248.7	338
## ENSG00000075539.15	4992
## ENSG00000109180.15	11667
## ENSG00000248256.1	12
## ENSG00000145247.12	5795
## ENSG00000109184.15	4705
## ENSG00000188993.4	37
## ENSG00000163069.13	4081
## ENSG00000163071.11	1462
## ENSG00000109189.13	6056
## ENSG00000248866.1	195
## ENSG00000226950.8	6839
## ENSG00000250302.3	32
## ENSG00000226887.8	1130
## ENSG00000128045.7	57
## ENSG00000184178.17	1397
## ENSG00000145216.17	3336
## ENSG00000072201.14	569
## ENSG00000272650.1	5
## ENSG00000109220.11	676
## ENSG00000134853.12	1424

## ENSG00000157404.17	3598
## ENSG00000128052.10	236
## ENSG00000128039.13	346
## ENSG00000288695.1	13
## ENSG00000249700.9	7
## ENSG00000134851.13	4941
## ENSG00000134852.15	3091
## ENSG00000109255.11	75
## ENSG00000090989.18	3321
## ENSG00000286599.1	13
## ENSG00000174799.12	1049
## ENSG00000109265.15	6516
## ENSG00000157426.14	1631
## ENSG00000242083.2	32
## ENSG00000269921.1	8
## ENSG00000128059.8	6096
## ENSG00000270147.1	1
## ENSG00000128050.9	47525
## ENSG00000289393.1	38
## ENSG00000174780.17	23834
## ENSG00000196503.5	73
## ENSG00000249693.3	42
## ENSG00000248590.2	29
## ENSG00000171476.23	80
## ENSG00000084093.19	7877
## ENSG00000269949.1	21
## ENSG00000084092.7	4003
## ENSG00000047315.17	22332
## ENSG00000163453.11	3168
## ENSG00000150471.17	10134
## ENSG00000289308.2	18
## ENSG00000226439.3	6
## ENSG00000225405.3	8
## ENSG00000180673.9	9
## ENSG00000145242.14	60
## ENSG00000243199.1	316
## ENSG00000250846.6	4
## ENSG00000145241.11	1613
## ENSG00000279464.1	13
## ENSG00000033178.13	7563
## ENSG00000248049.8	889
## ENSG00000109163.7	19
## ENSG00000187054.16	16
## ENSG00000227725.3	1
## ENSG00000083896.13	12067
## ENSG00000087128.10	11
## ENSG00000197888.3	16
## ENSG00000196620.10	99
## ENSG00000250376.1	65
## ENSG00000109181.12	18
## ENSG00000251529.1	6
## ENSG00000248547.2	9
## ENSG00000248613.1	17
## ENSG00000272626.1	127

## ENSG00000198277.6	26
## ENSG00000135220.11	82
## ENSG00000250919.1	2
## ENSG00000171234.14	461
## ENSG00000250696.5	1
## ENSG00000213759.10	1865
## ENSG00000135226.18	13
## ENSG00000156096.15	77
## ENSG00000173610.13	46
## ENSG00000173597.9	1889
## ENSG00000284695.1	19
## ENSG00000109193.12	2199
## ENSG00000126549.11	16
## ENSG00000109205.17	298
## ENSG00000178522.15	63
## ENSG00000132464.13	10
## ENSG00000132467.4	4924
## ENSG00000272986.1	12
## ENSG00000018189.13	5877
## ENSG00000132463.15	16794
## ENSG00000289019.1	102
## ENSG00000173542.9	5558
## ENSG00000156136.10	4144
## ENSG00000080493.19	24745
## ENSG00000145321.13	252
## ENSG00000056291.19	421
## ENSG00000156140.11	215
## ENSG00000163626.17	2416
## ENSG00000132466.20	19693
## ENSG00000248641.1	23
## ENSG00000250220.1	23
## ENSG00000163631.19	4781
## ENSG00000081051.8	133545
## ENSG00000079557.5	26
## ENSG00000169435.14	829
## ENSG00000169429.12	1119
## ENSG00000124875.10	738
## ENSG00000109272.4	32
## ENSG00000163739.5	425
## ENSG00000249920.2	6
## ENSG00000163735.7	3810
## ENSG00000287037.1	3
## ENSG00000163734.4	221
## ENSG00000081041.9	58
## ENSG00000163738.19	643
## ENSG00000269559.2	12
## ENSG00000124882.4	17
## ENSG00000109321.11	9849
## ENSG00000174808.12	19
## ENSG00000169116.11	11754
## ENSG00000260265.1	37
## ENSG00000163743.14	2409
## ENSG00000174796.12	679
## ENSG00000138769.11	178

## ENSG00000138757.15	34518
## ENSG00000138768.15	15537
## ENSG00000138744.16	268
## ENSG00000198301.12	6983
## ENSG00000169245.6	3
## ENSG00000169248.13	8
## ENSG00000138750.16	5371
## ENSG00000286074.1	0
## ENSG00000138760.11	40248
## ENSG00000189157.14	74
## ENSG00000287401.1	38
## ENSG00000289515.2	38
## ENSG00000118804.9	256
## ENSG00000163749.18	19
## ENSG00000138771.16	14995
## ENSG00000233860.2	32
## ENSG00000186212.4	487
## ENSG00000289586.2	253
## ENSG00000138758.12	32068
## ENSG00000234036.4	17
## ENSG00000118816.11	58511
## ENSG00000289443.1	73
## ENSG00000288888.1	10
## ENSG00000289496.2	5
## ENSG00000138764.15	6832
## ENSG00000138767.14	4079
## ENSG00000169288.18	2814
## ENSG00000249072.1	2
## ENSG00000138759.20	33415
## ENSG00000249565.2	89
## ENSG00000138772.13	25131
## ENSG00000251442.8	12
## ENSG00000138756.19	2392
## ENSG00000163291.14	3856
## ENSG00000249307.8	56
## ENSG00000163297.18	5901
## ENSG00000236530.2	2
## ENSG00000248719.2	31
## ENSG00000152784.16	68
## ENSG00000138675.17	19
## ENSG00000152785.8	31
## ENSG00000138669.10	254
## ENSG00000138670.19	1060
## ENSG00000273156.2	18
## ENSG00000289480.1	7
## ENSG00000138668.20	50094
## ENSG00000272677.3	15
## ENSG00000250325.1	1
## ENSG00000152795.18	24340
## ENSG00000145293.17	8734
## ENSG00000249242.8	1560
## ENSG00000248113.2	7
## ENSG00000145284.12	8114
## ENSG00000270480.1	10

## ENSG00000138674.17	26914
## ENSG00000251022.6	2862
## ENSG00000168152.13	881
## ENSG00000189308.11	1779
## ENSG00000138663.9	4661
## ENSG00000145287.11	1113
## ENSG00000173085.15	1515
## ENSG00000173083.16	1344
## ENSG00000163312.11	1099
## ENSG00000163319.11	1480
## ENSG00000163322.14	2846
## ENSG00000138678.11	455
## ENSG00000248749.1	13
## ENSG00000163623.10	10716
## ENSG00000163624.6	6784
## ENSG00000163625.17	6005
## ENSG00000180769.10	175
## ENSG00000138639.18	1214
## ENSG00000109339.24	644
## ENSG00000163629.13	18455
## ENSG00000163633.12	20
## ENSG00000285458.1	18
## ENSG00000251411.1	5
## ENSG00000284968.1	89
## ENSG00000172493.23	7333
## ENSG00000235043.3	71
## ENSG00000145332.14	4604
## ENSG00000248180.1	9
## ENSG00000170509.12	8
## ENSG00000198189.11	4189
## ENSG00000170502.13	3089
## ENSG00000152583.13	16
## ENSG00000183199.6	322
## ENSG00000118785.15	6225
## ENSG00000289034.1	6
## ENSG00000118762.8	5175
## ENSG00000118777.12	20809
## ENSG00000163644.15	787
## ENSG00000138642.16	598
## ENSG00000138646.9	200
## ENSG00000138641.18	17
## ENSG00000207524.1	8
## ENSG00000177432.8	188
## ENSG00000248019.3	20
## ENSG00000138640.15	2014
## ENSG00000180346.5	1924
## ENSG00000270720.1	10
## ENSG00000185477.5	2332
## ENSG00000251095.8	567
## ENSG00000145335.17	386
## ENSG00000274238.1	32
## ENSG00000277695.1	3
## ENSG00000276542.1	9
## ENSG00000138722.10	324

## ENSG00000184305.16	986
## ENSG00000187653.11	359
## ENSG00000152208.13	98
## ENSG00000172238.6	12
## ENSG00000163104.18	11114
## ENSG00000163110.15	15727
## ENSG00000249599.2	13
## ENSG00000138696.11	1339
## ENSG00000182168.16	13018
## ENSG00000271474.1	157
## ENSG00000163116.10	6
## ENSG00000242697.2	15
## ENSG00000289532.2	27
## ENSG00000138698.15	5452
## ENSG00000168785.8	2916
## ENSG00000260641.2	61
## ENSG00000151247.13	9863
## ENSG00000164024.12	8415
## ENSG00000272777.1	72
## ENSG00000197894.12	31252
## ENSG00000246090.9	136
## ENSG00000172955.17	73
## ENSG00000187758.8	17
## ENSG00000196616.15	65
## ENSG00000248144.6	83
## ENSG00000145331.14	1164
## ENSG00000138823.14	11559
## ENSG00000248676.1	9
## ENSG00000070190.13	4
## ENSG00000109270.13	4031
## ENSG00000164031.17	4330
## ENSG00000164032.12	33732
## ENSG00000245322.8	17
## ENSG00000145358.6	767
## ENSG00000138814.17	10224
## ENSG00000254531.3	281
## ENSG00000153064.12	120
## ENSG00000138821.14	2796
## ENSG00000248161.5	51
## ENSG00000109320.14	3491
## ENSG00000109323.11	17396
## ENSG00000230069.3	4
## ENSG00000248971.2	34
## ENSG00000109332.20	39458
## ENSG00000286242.1	5
## ENSG00000246560.3	102
## ENSG00000145354.12	3703
## ENSG00000164037.17	53
## ENSG00000164038.16	1531
## ENSG00000164039.15	3803
## ENSG00000138778.14	5708
## ENSG00000248740.8	19
## ENSG00000251577.5	22
## ENSG00000169836.5	120

## ENSG00000168772.12	929
## ENSG00000251259.1	7
## ENSG00000168769.14	2169
## ENSG00000138777.20	6654
## ENSG00000249264.1	585
## ENSG00000236699.9	58
## ENSG00000138785.16	1952
## ENSG00000138780.15	3823
## ENSG00000168743.13	621
## ENSG00000145348.17	2753
## ENSG00000164022.18	6688
## ENSG00000155011.9	37
## ENSG00000213522.4	9
## ENSG00000138801.9	23237
## ENSG00000164023.15	1331
## ENSG00000245293.5	8
## ENSG00000155016.18	1381
## ENSG00000138796.18	7646
## ENSG00000138795.10	270
## ENSG00000234492.6	18
## ENSG00000109475.17	43071
## ENSG00000198856.13	15348
## ENSG00000286136.2	14
## ENSG00000164089.9	7
## ENSG00000188517.17	54
## ENSG00000249465.1	17
## ENSG00000247950.9	62
## ENSG00000138802.11	5814
## ENSG00000005059.16	361
## ENSG00000248785.1	5
## ENSG00000138794.10	5243
## ENSG00000273447.1	13
## ENSG00000123739.11	2842
## ENSG00000205403.15	19
## ENSG00000109534.17	2652
## ENSG00000180245.7	8
## ENSG00000183423.12	8
## ENSG00000138798.13	32
## ENSG00000170522.10	16029
## ENSG00000288913.2	62
## ENSG00000138792.10	135
## ENSG00000250511.1	49
## ENSG00000250103.3	77
## ENSG00000164093.18	5018
## ENSG00000289096.1	25
## ENSG00000174749.6	31
## ENSG00000260526.1	75
## ENSG00000138660.12	2509
## ENSG00000145365.12	940
## ENSG00000073331.18	169
## ENSG00000138658.16	734
## ENSG00000250966.2	69
## ENSG00000174720.18	2718
## ENSG00000241741.1	107

## ENSG00000145362.21	311
## ENSG00000196656.8	26
## ENSG00000145349.20	18675
## ENSG00000180801.14	940
## ENSG00000288781.2	9
## ENSG00000174607.11	6118
## ENSG00000138653.10	14
## ENSG00000213493.3	14
## ENSG00000174599.5	249
## ENSG00000293004.1	6
## ENSG00000286269.1	10
## ENSG00000164100.9	682
## ENSG00000269893.10	2971
## ENSG00000164099.3	7655
## ENSG00000273716.2	57
## ENSG00000154608.14	42
## ENSG00000291201.1	481
## ENSG00000248213.3	47
## ENSG00000251155.2	16
## ENSG00000281731.3	25
## ENSG00000145388.15	3223
## ENSG00000150961.15	4334
## ENSG00000172403.11	125
## ENSG00000172399.6	8
## ENSG00000293254.1	5
## ENSG00000145390.12	3808
## ENSG00000164096.13	8342
## ENSG00000250412.1	28
## ENSG00000249244.1	57
## ENSG00000291202.1	470
## ENSG00000291203.1	707
## ENSG00000138735.16	10648
## ENSG00000164109.14	7866
## ENSG00000250938.8	17
## ENSG00000138738.11	879
## ENSG00000251609.2	12
## ENSG00000173376.14	513
## ENSG00000186867.11	4
## ENSG00000164111.15	32236
## ENSG00000123737.13	4776
## ENSG00000145386.11	9943
## ENSG00000138686.10	1882
## ENSG00000138741.11	83
## ENSG00000138688.17	4169
## ENSG00000293471.1	26
## ENSG00000181004.10	754
## ENSG00000138685.18	255
## ENSG00000273007.2	17
## ENSG00000170917.14	178
## ENSG00000145375.9	1146
## ENSG00000287951.1	5
## ENSG00000164056.11	2220
## ENSG00000249464.8	110
## ENSG00000151458.12	4113

## ENSG00000196159.14	186
## ENSG00000164066.13	1507
## ENSG00000164070.12	3805
## ENSG00000244021.4	14
## ENSG00000142731.11	2809
## ENSG00000164073.11	1183
## ENSG00000164074.17	1254
## ENSG00000138709.20	3026
## ENSG00000241651.4	11
## ENSG00000164040.18	10437
## ENSG00000251432.8	42
## ENSG00000077684.16	5545
## ENSG00000151466.12	981
## ENSG00000151470.13	604
## ENSG00000250241.7	6
## ENSG00000138650.9	425
## ENSG00000254535.4	480
## ENSG00000250144.1	429
## ENSG00000248456.1	16
## ENSG00000248869.7	32
## ENSG00000189184.12	1855
## ENSG00000248307.6	7
## ENSG00000250033.5	16
## ENSG00000151012.13	3580
## ENSG00000248795.1	8
## ENSG00000151014.6	1658
## ENSG00000109381.21	4042
## ENSG00000252503.1	25
## ENSG00000179967.11	86
## ENSG00000137463.5	30
## ENSG00000109390.13	2493
## ENSG00000164134.14	14314
## ENSG00000273247.7	244
## ENSG00000172007.7	1521
## ENSG00000145391.14	11058
## ENSG00000272717.1	48
## ENSG00000286896.2	5
## ENSG00000085871.9	1310
## ENSG00000178458.5	44
## ENSG00000196782.13	2405
## ENSG00000153130.18	10968
## ENSG00000196951.13	62
## ENSG00000241923.2	26
## ENSG00000153132.13	2460
## ENSG00000179387.10	6971
## ENSG00000109424.4	11
## ENSG00000109436.8	6376
## ENSG00000249661.1	7
## ENSG00000273472.2	140
## ENSG00000170153.11	5014
## ENSG00000109445.11	3704
## ENSG00000248747.1	5
## ENSG00000248810.4	24
## ENSG00000164136.17	47

## ENSG00000109452.13	1400
## ENSG00000250326.2	34
## ENSG00000170185.11	3721
## ENSG00000109458.10	3875
## ENSG00000228981.3	41
## ENSG00000245112.2	375
## ENSG00000153147.6	32867
## ENSG00000251600.9	73
## ENSG00000197465.14	37
## ENSG00000249741.2	25
## ENSG00000285713.1	1
## ENSG00000248890.4	15
## ENSG00000164161.10	20
## ENSG00000164162.14	629
## ENSG00000249193.1	7
## ENSG00000164163.11	16689
## ENSG00000164164.17	8381
## ENSG00000272727.2	7
## ENSG00000251333.3	29
## ENSG00000278943.1	10
## ENSG00000170365.10	2573
## ENSG00000151611.17	670
## ENSG00000249245.2	9
## ENSG00000151612.18	2024
## ENSG00000164167.12	2075
## ENSG00000120519.16	1410
## ENSG00000151615.3	34
## ENSG00000137473.19	118
## ENSG00000151617.17	2960
## ENSG00000280219.1	251
## ENSG00000164168.8	6550
## ENSG00000164169.13	1352
## ENSG00000071205.12	3152
## ENSG00000151623.15	1472
## ENSG00000287292.1	7
## ENSG00000170390.16	233
## ENSG00000198589.15	17762
## ENSG00000181541.6	6
## ENSG00000145425.10	158634
## ENSG00000109686.20	8229
## ENSG00000270681.1	107
## ENSG00000270265.1	10
## ENSG00000251611.1	18
## ENSG00000164142.16	1980
## ENSG00000059691.12	2716
## ENSG00000251455.1	10
## ENSG00000109670.17	3382
## ENSG00000268471.6	183
## ENSG00000240669.1	4
## ENSG00000170006.13	50
## ENSG00000169989.3	103
## ENSG00000164144.16	4898
## ENSG00000231841.1	7
## ENSG00000287642.3	63

## ENSG00000137460.10	627
## ENSG00000109654.16	3340
## ENSG00000213406.3	19
## ENSG00000121211.8	11
## ENSG00000121210.16	4282
## ENSG00000137462.9	178
## ENSG00000145428.15	27
## ENSG00000145423.5	22
## ENSG00000197410.14	96
## ENSG00000171566.12	13765
## ENSG00000171564.12	361471
## ENSG00000171560.18	65350
## ENSG00000171557.17	98509
## ENSG00000287770.1	20
## ENSG00000121207.12	9949
## ENSG00000151962.8	29
## ENSG00000250910.8	5
## ENSG00000185149.6	8
## ENSG00000164114.19	6173
## ENSG00000164116.17	691
## ENSG00000061918.14	539
## ENSG00000151790.9	517
## ENSG00000256043.5	793
## ENSG00000145431.11	3780
## ENSG00000109738.11	323
## ENSG00000120251.22	57
## ENSG00000164125.16	13832
## ENSG00000248429.5	172
## ENSG00000164124.11	2307
## ENSG00000205208.5	4370
## ENSG00000171503.13	965
## ENSG00000171497.5	6025
## ENSG00000052795.13	5751
## ENSG00000164123.7	7
## ENSG00000248988.1	8
## ENSG00000109756.10	6569
## ENSG00000168843.14	1011
## ENSG00000250027.1	22
## ENSG00000145414.9	2426
## ENSG00000164128.7	860
## ENSG00000164129.12	28
## ENSG00000198498.10	3223
## ENSG00000145416.14	189
## ENSG00000273449.1	15
## ENSG00000250746.1	19
## ENSG00000248546.3	17
## ENSG00000248329.6	272
## ENSG00000121089.4	16
## ENSG00000240674.1	9
## ENSG00000170088.14	2993
## ENSG00000109466.14	2310
## ENSG00000052802.13	14030
## ENSG00000109472.14	26921
## ENSG00000251596.1	19

## ENSG00000038295.8	913
## ENSG00000196104.11	8316
## ENSG00000109511.12	174
## ENSG00000137628.18	280
## ENSG00000181381.15	392
## ENSG00000129116.20	17340
## ENSG00000279384.1	9
## ENSG00000145439.12	4745
## ENSG00000154447.15	6921
## ENSG00000137601.18	1517
## ENSG00000109572.16	12400
## ENSG00000056050.7	2731
## ENSG00000229204.3	18
## ENSG00000198948.12	2715
## ENSG00000109576.14	1483
## ENSG00000250266.3	269
## ENSG00000174473.17	186
## ENSG00000245213.7	75
## ENSG00000109586.12	15696
## ENSG00000248774.1	31
## ENSG00000164104.12	18136
## ENSG00000288728.2	15
## ENSG00000272870.4	56
## ENSG00000164105.4	1293
## ENSG00000164106.8	2
## ENSG00000242882.1	6
## ENSG00000286039.3	25
## ENSG00000164107.9	24
## ENSG00000237125.13	8
## ENSG00000234801.3	37
## ENSG00000213370.3	13
## ENSG00000289210.1	20
## ENSG00000164117.14	1007
## ENSG00000164118.13	1176
## ENSG00000164120.14	1196
## ENSG00000145451.13	9
## ENSG00000150625.17	816
## ENSG00000150627.16	146
## ENSG00000150628.7	25
## ENSG00000164122.9	23
## ENSG00000289149.1	27
## ENSG00000129128.13	14283
## ENSG00000289520.1	105
## ENSG00000248388.5	2
## ENSG00000150630.4	54
## ENSG00000109674.4	975
## ENSG00000038002.9	1575
## ENSG00000250131.2	304
## ENSG00000287083.1	5
## ENSG00000225356.3	15
## ENSG00000177822.10	291
## ENSG00000218336.9	10659
## ENSG00000129187.15	8510
## ENSG00000272784.1	6

## ENSG00000251359.4	34
## ENSG00000151718.16	7785
## ENSG00000250292.1	8
## ENSG00000168564.6	2457
## ENSG00000232648.4	58
## ENSG00000168556.7	1119
## ENSG00000272744.1	23
## ENSG00000182552.15	2148
## ENSG00000168538.16	4397
## ENSG00000173320.12	1743
## ENSG00000248206.2	13
## ENSG00000283355.1	10
## ENSG00000227765.4	7
## ENSG00000180712.5	7
## ENSG00000168310.12	1479
## ENSG00000270426.1	7
## ENSG00000271646.1	28
## ENSG00000271538.7	7
## ENSG00000254233.1	34
## ENSG00000164305.20	5461
## ENSG00000164306.11	619
## ENSG00000151725.12	3072
## ENSG00000151726.16	2395
## ENSG00000151729.11	3878
## ENSG00000164323.15	3911
## ENSG00000109762.17	1459
## ENSG00000109771.16	86
## ENSG00000186352.9	57
## ENSG00000109775.11	2660
## ENSG00000205129.9	37
## ENSG00000168491.10	34
## ENSG00000249679.3	6
## ENSG00000154553.17	623
## ENSG00000154556.20	5729
## ENSG00000233110.1	10
## ENSG00000235902.1	26
## ENSG00000164342.14	5
## ENSG00000109794.14	315
## ENSG00000250327.1	15
## ENSG00000279943.1	12
## ENSG00000145476.16	456
## ENSG00000251165.6	5
## ENSG00000168412.7	171
## ENSG00000083857.15	36549
## ENSG00000250829.2	3
## ENSG00000250658.1	232
## ENSG00000213331.4	5
## ENSG00000179059.10	6242
## ENSG00000242169.2	3
## ENSG00000249378.8	27
## ENSG00000180015.12	11
## ENSG00000278974.1	299
## ENSG00000245685.9	43
## ENSG00000109536.13	3754

## ENSG00000214273.4	4
## ENSG00000153404.15	3553
## ENSG00000164366.4	2768
## ENSG00000260774.1	34
## ENSG00000286001.1	71
## ENSG00000073578.18	1648
## ENSG00000248925.3	9
## ENSG00000249915.9	217
## ENSG00000250848.1	18
## ENSG00000063438.20	7
## ENSG00000221990.5	209
## ENSG00000180104.16	3210
## ENSG00000066230.12	118
## ENSG00000225138.8	416
## ENSG00000112877.8	793
## ENSG00000171368.12	621
## ENSG00000271781.1	48
## ENSG00000289088.1	17
## ENSG00000206077.14	414
## ENSG00000288930.1	268
## ENSG00000188818.13	275
## ENSG00000028310.18	3988
## ENSG00000071539.14	2371
## ENSG00000287600.1	11
## ENSG00000215246.6	23
## ENSG00000145506.14	439
## ENSG00000113504.21	9207
## ENSG00000249201.2	5
## ENSG00000174358.16	223
## ENSG00000164363.10	16
## ENSG00000164362.21	332
## ENSG00000049656.14	12458
## ENSG00000286388.1	615
## ENSG00000142319.18	14
## ENSG00000153395.10	16364
## ENSG00000291055.1	297
## ENSG00000185986.14	7
## ENSG00000271119.1	12
## ENSG00000248126.1	25
## ENSG00000291079.1	134
## ENSG00000171421.13	2045
## ENSG00000145494.12	4725
## ENSG00000113430.10	7
## ENSG00000248994.2	21
## ENSG00000170561.13	303
## ENSG00000186493.14	47
## ENSG00000289075.2	10
## ENSG00000170549.4	72
## ENSG00000250579.3	444
## ENSG00000145536.15	8598
## ENSG00000286753.3	61
## ENSG00000164151.12	10962
## ENSG00000133398.4	1514
## ENSG00000215218.4	1307

## ENSG00000250056.8	382
## ENSG00000037474.15	8378
## ENSG00000145545.13	3128
## ENSG00000112941.14	2563
## ENSG00000078295.17	2528
## ENSG00000215217.7	232
## ENSG00000124275.15	2525
## ENSG00000124279.12	1353
## ENSG00000247516.8	5
## ENSG00000112902.12	526
## ENSG00000250786.4	149
## ENSG00000150756.14	1436
## ENSG00000150753.12	47653
## ENSG00000164237.9	7633
## ENSG00000259802.3	232
## ENSG00000145495.17	13772
## ENSG00000145491.12	78
## ENSG00000249396.2	9
## ENSG00000164236.12	15611
## ENSG00000251548.1	2
## ENSG00000112977.16	13030
## ENSG00000250576.1	11
## ENSG00000169862.21	14656
## ENSG00000039139.11	568
## ENSG00000038382.23	9118
## ENSG00000145569.6	2720
## ENSG00000248791.1	9
## ENSG00000250526.1	8
## ENSG00000250182.3	1111
## ENSG00000261360.3	10
## ENSG00000154124.6	3494
## ENSG00000154122.14	1797
## ENSG00000286970.1	16
## ENSG00000249485.1	57
## ENSG00000183580.10	1280
## ENSG00000183654.9	66
## ENSG00000173545.5	5155
## ENSG00000289112.2	11
## ENSG00000154153.15	6435
## ENSG00000246214.3	6
## ENSG00000145555.15	17066
## ENSG00000176788.9	18277
## ENSG00000215196.5	6
## ENSG00000293060.1	13
## ENSG00000249199.2	14
## ENSG00000283740.2	8
## ENSG00000250386.1	7
## ENSG00000269466.4	7
## ENSG00000145526.12	84
## ENSG00000291102.1	361
## ENSG00000154162.15	5472
## ENSG00000213430.6	179
## ENSG00000164256.11	14
## ENSG00000286134.2	11

## ENSG00000040731.10	897
## ENSG000000250337.10	3213
## ENSG000000287176.1	65
## ENSG000000241668.2	5
## ENSG000000113361.13	56432
## ENSG000000113360.17	10182
## ENSG000000082213.18	5468
## ENSG000000279923.1	18
## ENSG000000133401.16	237
## ENSG000000113384.14	10436
## ENSG000000272086.2	74
## ENSG000000150712.11	3727
## ENSG000000056097.16	18266
## ENSG000000113387.12	18003
## ENSG000000113389.16	745
## ENSG000000251062.1	0
## ENSG000000240376.1	199
## ENSG000000251443.3	14
## ENSG000000249572.3	182
## ENSG000000113407.14	25466
## ENSG000000151388.11	4129
## ENSG000000182631.7	7
## ENSG000000164175.15	179
## ENSG000000242110.9	54
## ENSG000000082196.21	45
## ENSG000000290548.1	63
## ENSG000000271874.1	8
## ENSG000000039560.14	17133
## ENSG000000272323.1	95
## ENSG000000205838.15	44
## ENSG000000113456.20	3687
## ENSG000000113460.13	4607
## ENSG000000168724.18	5816
## ENSG000000113494.17	292
## ENSG000000152582.14	402
## ENSG000000168685.15	4
## ENSG000000152611.12	16
## ENSG000000145626.12	1006
## ENSG000000168671.10	173
## ENSG000000164187.7	1663
## ENSG000000145604.17	9402
## ENSG000000152620.13	4082
## ENSG000000245711.2	6
## ENSG000000164188.9	7
## ENSG000000079215.15	14373
## ENSG000000250155.3	13
## ENSG000000272103.2	7
## ENSG000000285967.1	868
## ENSG000000164190.19	11877
## ENSG000000244073.1	20
## ENSG000000197603.16	3417
## ENSG000000286193.3	5
## ENSG000000270558.1	47
## ENSG000000113569.16	8206

## ENSG00000082068.9	4288
## ENSG000000248587.8	11
## ENSG000000168621.15	88
## ENSG000000164318.18	268
## ENSG000000113594.10	27675
## ENSG000000244968.7	151
## ENSG000000145623.13	1924
## ENSG000000164327.14	2899
## ENSG000000153071.15	5501
## ENSG000000113638.14	2725
## ENSG000000171522.6	209
## ENSG000000132356.12	7134
## ENSG000000288911.2	22
## ENSG000000145592.14	116121
## ENSG000000132357.14	482
## ENSG000000112936.21	3034
## ENSG000000039537.16	119
## ENSG000000182836.11	1847
## ENSG000000083720.13	2793
## ENSG000000248668.3	8
## ENSG000000205765.10	6300
## ENSG000000151876.13	406
## ENSG000000112964.14	302
## ENSG000000248873.1	11
## ENSG000000198865.10	437
## ENSG000000250722.6	3251
## ENSG000000287263.3	29
## ENSG000000271788.1	6
## ENSG000000177738.6	316
## ENSG000000177721.5	46
## ENSG000000215068.10	38
## ENSG000000172262.12	3189
## ENSG000000177453.7	18
## ENSG000000112972.15	28711
## ENSG000000151882.11	29
## ENSG000000151881.15	532
## ENSG000000249492.3	29
## ENSG000000172244.9	429
## ENSG000000249855.1	562
## ENSG000000172239.14	13694
## ENSG000000248092.8	844
## ENSG000000279557.1	2
## ENSG000000112992.18	6956
## ENSG000000224993.3	30
## ENSG000000070193.5	349
## ENSG000000251141.6	91
## ENSG000000112996.11	5555
## ENSG000000272335.1	420
## ENSG000000164588.8	286
## ENSG000000170571.12	4783
## ENSG000000151883.20	1767
## ENSG000000289056.2	141
## ENSG000000250360.1	15
## ENSG000000251573.2	16

## ENSG00000259663.2	99
## ENSG00000016082.15	1664
## ENSG00000152684.11	2851
## ENSG00000213949.10	1015
## ENSG00000164171.11	445
## ENSG00000164172.20	1666
## ENSG00000247796.3	158
## ENSG00000134363.12	114
## ENSG00000164258.12	2958
## ENSG00000272416.1	18
## ENSG00000185305.12	2167
## ENSG00000178996.14	6646
## ENSG00000164287.13	10
## ENSG00000164294.14	9121
## ENSG00000152669.9	10
## ENSG00000067248.11	4951
## ENSG00000039123.16	13227
## ENSG00000067113.17	731
## ENSG00000177058.12	3641
## ENSG00000164509.16	26
## ENSG00000134352.21	9603
## ENSG00000264281.3	173
## ENSG00000164512.18	21
## ENSG00000248727.6	298
## ENSG00000226221.1	254
## ENSG00000225940.7	9
## ENSG00000095015.6	11591
## ENSG00000155542.12	1081
## ENSG00000155545.20	5995
## ENSG00000271828.1	36
## ENSG00000289152.2	5
## ENSG00000062194.16	13163
## ENSG00000287709.3	9
## ENSG00000145632.15	8524
## ENSG00000152932.8	1399
## ENSG00000113448.21	946
## ENSG00000214244.4	12
## ENSG00000152931.9	41
## ENSG00000035499.13	4363
## ENSG00000251303.1	20
## ENSG00000287434.1	11
## ENSG00000164181.14	2904
## ENSG00000049167.16	2286
## ENSG00000164182.12	2013
## ENSG00000276945.1	2
## ENSG00000188725.8	6579
## ENSG00000251279.3	39
## ENSG00000249279.6	8
## ENSG00000130449.6	2779
## ENSG00000250461.1	23
## ENSG00000213891.3	9
## ENSG00000068796.19	11517
## ENSG00000086189.11	2619
## ENSG00000086200.17	6231

## ENSG00000268942.2	14
## ENSG00000217416.4	10
## ENSG00000178394.5	16
## ENSG00000164197.12	299
## ENSG00000186479.5	24
## ENSG00000145642.12	26
## ENSG00000153006.16	4297
## ENSG00000153015.17	5938
## ENSG00000049192.15	108
## ENSG00000250081.1	17
## ENSG00000123219.13	1344
## ENSG00000113593.12	2869
## ENSG00000113595.15	1584
## ENSG00000113597.18	2064
## ENSG00000253251.3	209
## ENSG00000197860.10	3030
## ENSG00000123213.23	13750
## ENSG00000112851.16	7267
## ENSG00000269961.1	9
## ENSG00000285999.1	7
## ENSG00000153914.16	7376
## ENSG00000069020.19	2001
## ENSG00000229666.2	29
## ENSG00000250669.1	3
## ENSG00000249721.1	6
## ENSG00000250421.5	11
## ENSG00000213864.3	11
## ENSG00000145675.16	10360
## ENSG00000145740.20	5282
## ENSG00000248664.3	6
## ENSG00000134057.15	19132
## ENSG00000280187.2	293
## ENSG00000153044.10	3821
## ENSG00000134056.12	2676
## ENSG00000134058.12	3282
## ENSG00000183323.13	1565
## ENSG00000213830.3	7
## ENSG00000215006.4	6
## ENSG00000085231.14	2454
## ENSG00000273841.6	8115
## ENSG00000152942.19	3161
## ENSG00000152939.17	4557
## ENSG00000197822.12	8355
## ENSG00000183474.16	1834
## ENSG00000290556.1	11
## ENSG00000250138.4	6
## ENSG00000290560.1	12
## ENSG00000198237.8	22
## ENSG00000205572.11	155
## ENSG00000205571.15	12
## ENSG00000179978.11	42
## ENSG00000254701.3	21
## ENSG00000253816.3	41
## ENSG00000291220.1	112

## ENSG00000269983.1	39
## ENSG00000172062.17	1662
## ENSG00000249437.8	46
## ENSG00000289810.1	185
## ENSG00000145736.15	1196
## ENSG00000230847.4	38
## ENSG00000251634.2	52
## ENSG00000215630.6	11
## ENSG00000250387.3	38
## ENSG00000145734.20	4403
## ENSG00000131844.17	12808
## ENSG00000164326.5	59
## ENSG00000285804.2	4
## ENSG00000131711.15	15459
## ENSG00000113048.19	14449
## ENSG00000049883.15	1430
## ENSG00000226544.4	4
## ENSG00000083312.19	29248
## ENSG00000271926.1	20
## ENSG00000272081.1	29
## ENSG00000157107.14	2222
## ENSG00000157111.13	75
## ENSG00000251493.5	11
## ENSG00000272525.2	58
## ENSG00000145741.17	65764
## ENSG00000255883.1	15
## ENSG00000164331.10	1047
## ENSG00000164338.10	2837
## ENSG00000214944.10	2161
## ENSG00000171617.16	27540
## ENSG00000049860.14	10459
## ENSG00000164347.18	5166
## ENSG00000164346.10	13178
## ENSG00000198780.13	3217
## ENSG00000250071.1	4
## ENSG00000271714.1	36
## ENSG00000289639.1	15
## ENSG00000249856.1	5
## ENSG00000289535.2	277
## ENSG00000182383.8	12
## ENSG00000176928.7	6159
## ENSG00000145700.10	43
## ENSG00000113161.17	44931
## ENSG00000113163.19	9033
## ENSG00000242198.1	9
## ENSG00000122008.16	2320
## ENSG00000189045.15	97
## ENSG00000152359.15	955
## ENSG00000122012.14	5
## ENSG00000254893.6	49
## ENSG00000249014.2	16
## ENSG00000145703.17	7333
## ENSG00000164220.7	53
## ENSG00000181104.7	12058

## ENSG00000289924.1	7
## ENSG00000164251.5	10468
## ENSG00000264391.2	8
## ENSG00000171643.14	18
## ENSG00000145708.11	41
## ENSG00000164252.13	2211
## ENSG00000132846.6	5354
## ENSG00000238961.1	9
## ENSG00000250802.7	132
## ENSG00000113231.14	95
## ENSG00000251400.1	65
## ENSG00000164253.14	5260
## ENSG00000244363.3	55
## ENSG00000171540.8	19
## ENSG00000171530.15	13777
## ENSG00000213763.4	61
## ENSG00000132842.15	12258
## ENSG00000245556.5	242
## ENSG00000085365.18	8697
## ENSG00000145685.14	4084
## ENSG00000113273.17	2386
## ENSG00000132837.15	61
## ENSG00000145692.15	205
## ENSG00000152409.9	3340
## ENSG00000213757.3	106
## ENSG00000152413.15	4200
## ENSG00000213755.3	4
## ENSG00000243160.1	5
## ENSG00000164329.15	3883
## ENSG00000164309.15	105
## ENSG00000177034.18	2169
## ENSG00000113296.14	314
## ENSG00000251050.1	7
## ENSG00000249825.6	15
## ENSG00000164300.17	25443
## ENSG00000251675.1	7
## ENSG00000288741.1	39
## ENSG00000248569.1	19
## ENSG00000220157.4	28
## ENSG00000289317.2	6
## ENSG00000039319.17	4994
## ENSG00000249042.6	51
## ENSG00000152380.10	78
## ENSG00000189127.8	10
## ENSG00000228716.7	5847
## ENSG00000113318.11	2873
## ENSG00000113319.13	227
## ENSG00000247572.9	510
## ENSG00000131730.16	158
## ENSG00000248794.1	28
## ENSG00000131732.12	2837
## ENSG00000172497.9	31
## ENSG00000145687.17	1739
## ENSG00000152348.16	1107

## ENSG00000251495.1	67
## ENSG00000186468.13	89248
## ENSG00000293465.1	98
## ENSG00000281327.4	15
## ENSG00000271862.1	27
## ENSG00000174695.10	22365
## ENSG00000152422.16	1163
## ENSG00000038427.16	40156
## ENSG00000249835.2	8
## ENSG00000145681.11	54
## ENSG00000164176.13	7270
## ENSG00000250320.7	190
## ENSG00000243859.3	27
## ENSG00000127184.13	21665
## ENSG00000242477.1	31
## ENSG00000145715.15	4269
## ENSG00000134480.17	2142
## ENSG00000287862.1	13
## ENSG00000164180.14	887
## ENSG00000247828.10	421
## ENSG00000245526.13	12
## ENSG00000081189.17	1220
## ENSG00000248309.9	44
## ENSG00000253321.1	5
## ENSG00000153140.9	4765
## ENSG00000255647.3	6
## ENSG00000176055.10	732
## ENSG00000113356.13	1123
## ENSG00000176018.13	3185
## ENSG00000164199.18	2167
## ENSG00000113369.9	3640
## ENSG00000281357.5	99
## ENSG00000250049.7	7
## ENSG00000237187.9	432
## ENSG00000175745.15	5036
## ENSG00000113391.19	2262
## ENSG00000249353.2	1100
## ENSG00000251023.1	8
## ENSG00000185261.16	312
## ENSG00000270133.1	7
## ENSG00000133302.13	2033
## ENSG00000175471.20	67
## ENSG00000153347.10	65
## ENSG00000198677.13	8130
## ENSG00000164291.17	1183
## ENSG00000175449.15	85
## ENSG00000145757.16	21
## ENSG00000250240.6	30
## ENSG00000164292.13	15499
## ENSG00000173221.14	1181
## ENSG00000251000.1	10
## ENSG00000118985.16	6977
## ENSG00000251314.2	10
## ENSG00000175426.11	2102

## ENSG00000153113.24	20492
## ENSG00000164307.13	5688
## ENSG00000248734.2	17
## ENSG00000247121.8	48
## ENSG00000164308.17	20
## ENSG00000113441.16	3506
## ENSG00000145721.12	3
## ENSG00000058729.11	3795
## ENSG00000286828.1	9
## ENSG00000238000.1	228
## ENSG00000176183.8	16
## ENSG00000250221.1	14
## ENSG00000251102.1	17
## ENSG00000174136.13	751
## ENSG00000246763.7	45
## ENSG00000153922.12	8260
## ENSG00000248489.4	97
## ENSG00000271207.1	7
## ENSG00000247877.8	12
## ENSG00000174132.9	784
## ENSG00000113532.13	656
## ENSG00000289912.1	3
## ENSG00000173930.9	365
## ENSG00000250682.6	20
## ENSG00000145730.21	22850
## ENSG00000175749.11	7
## ENSG00000145723.17	714
## ENSG00000145725.21	6073
## ENSG00000181751.10	2753
## ENSG00000112874.10	2374
## ENSG00000184349.14	2631
## ENSG00000145743.18	2817
## ENSG00000244245.1	15
## ENSG00000272523.2	38
## ENSG00000151422.14	3908
## ENSG00000176857.5	11
## ENSG00000198961.10	19306
## ENSG00000271849.1	15
## ENSG00000112893.10	16593
## ENSG00000186952.15	113
## ENSG00000164209.17	4056
## ENSG00000248966.1	10
## ENSG00000134987.13	5018
## ENSG00000214784.4	133
## ENSG00000152495.11	104
## ENSG00000164211.13	3496
## ENSG00000246859.3	539
## ENSG00000134986.14	14241
## ENSG00000129595.14	858
## ENSG00000224032.9	1404
## ENSG00000278921.2	80
## ENSG00000134982.18	5058
## ENSG00000153037.15	1970
## ENSG00000129625.13	8470

## ENSG00000249947.2	2
## ENSG00000172795.17	10603
## ENSG00000171444.19	6420
## ENSG00000232633.4	21
## ENSG00000047188.16	5556
## ENSG00000080709.17	156
## ENSG00000152503.10	373
## ENSG00000164219.10	2554
## ENSG00000271797.1	8
## ENSG00000164221.13	1294
## ENSG00000249026.2	11
## ENSG00000250444.1	9
## ENSG00000145780.8	2772
## ENSG00000251201.8	46
## ENSG00000249249.2	13
## ENSG00000134970.14	9324
## ENSG00000129596.5	643
## ENSG00000145782.13	5070
## ENSG00000177879.17	4334
## ENSG00000172901.21	16
## ENSG00000185641.6	308
## ENSG00000271918.2	23
## ENSG00000145781.9	2279
## ENSG00000232916.1	4
## ENSG00000250015.1	13
## ENSG00000092421.17	10288
## ENSG00000248445.5	55
## ENSG00000249167.2	32
## ENSG00000248663.7	60
## ENSG00000169570.10	731
## ENSG00000197744.5	340
## ENSG00000283498.1	668
## ENSG00000172869.15	2449
## ENSG00000145779.8	1947
## ENSG00000133835.18	19033
## ENSG00000184838.15	19
## ENSG00000151304.6	2208
## ENSG00000113083.15	752
## ENSG00000164185.7	101
## ENSG00000064692.20	1105
## ENSG00000205302.7	12640
## ENSG00000064652.11	1570
## ENSG00000263432.2	15
## ENSG00000168938.6	1718
## ENSG00000061455.11	16
## ENSG00000168944.17	2751
## ENSG00000250539.1	179
## ENSG00000288766.1	153
## ENSG00000151292.19	3635
## ENSG00000288890.1	23
## ENSG00000235275.3	17
## ENSG00000168916.16	8382
## ENSG00000155324.10	524
## ENSG00000279118.1	18

## ENSG00000164904.18	32533
## ENSG00000164902.14	4916
## ENSG00000230929.5	16
## ENSG00000113368.12	22598
## ENSG00000173926.6	128
## ENSG00000164241.14	325
## ENSG00000286615.3	12
## ENSG00000145794.17	247
## ENSG00000250859.1	41
## ENSG00000164244.21	11384
## ENSG00000230561.7	17
## ENSG00000245937.10	680
## ENSG00000064651.14	11012
## ENSG00000138829.14	14190
## ENSG00000113396.13	131
## ENSG00000066583.12	2780
## ENSG00000249421.2	147
## ENSG00000145808.10	7175
## ENSG00000251680.6	6
## ENSG00000186367.7	21
## ENSG00000198108.4	288
## ENSG00000248610.1	17
## ENSG00000169567.13	20591
## ENSG00000186687.16	1318
## ENSG00000158985.14	5935
## ENSG00000158987.22	692
## ENSG00000217128.13	2091
## ENSG00000164398.15	11
## ENSG00000072682.20	5204
## ENSG00000131435.13	634
## ENSG00000197208.6	18
## ENSG00000233006.8	70
## ENSG00000197375.14	1556
## ENSG00000197536.11	36
## ENSG00000125347.15	1171
## ENSG00000113522.14	616
## ENSG00000230612.3	7
## ENSG00000131437.16	2564
## ENSG00000205089.8	54
## ENSG00000164402.14	6599
## ENSG00000198944.6	65
## ENSG00000164403.15	406
## ENSG00000164404.9	43
## ENSG00000164405.11	5341
## ENSG00000164406.8	28
## ENSG00000072364.13	19377
## ENSG00000155329.12	2120
## ENSG00000286408.1	22
## ENSG00000170606.16	44112
## ENSG00000279691.1	12
## ENSG00000053108.18	311
## ENSG00000113583.8	7776
## ENSG00000213585.11	40569
## ENSG00000271737.2	49

## ENSG00000081059.20	1241
## ENSG00000113558.19	1521
## ENSG00000113575.12	2661
## ENSG00000273345.6	8
## ENSG00000270177.1	33
## ENSG00000006837.12	72
## ENSG00000119048.9	4525
## ENSG00000279469.1	10
## ENSG00000248559.1	56
## ENSG00000237190.4	3380
## ENSG00000251169.3	42
## ENSG00000043143.22	2904
## ENSG00000152700.14	8831
## ENSG00000113615.13	7612
## ENSG00000164615.6	3975
## ENSG00000145833.16	11443
## ENSG00000181904.9	9677
## ENSG00000113621.15	3341
## ENSG00000132570.15	643
## ENSG00000279799.1	6
## ENSG00000244921.2	9
## ENSG00000249119.1	33
## ENSG00000248923.1	27
## ENSG00000247627.2	80
## ENSG00000152705.8	18
## ENSG00000069011.16	2384
## ENSG00000224186.8	84
## ENSG00000277619.1	9
## ENSG00000249082.2	26
## ENSG00000113648.17	28944
## ENSG00000270021.1	12
## ENSG00000145832.16	4
## ENSG00000181965.6	16
## ENSG00000145824.13	212
## ENSG00000120708.17	1245
## ENSG00000113658.18	11898
## ENSG00000271824.2	295
## ENSG00000069018.19	74
## ENSG00000248211.1	9
## ENSG00000279240.1	17
## ENSG00000152377.15	12477
## ENSG00000146021.15	811
## ENSG00000177733.7	41924
## ENSG00000293261.1	5
## ENSG00000250159.7	76
## ENSG00000031003.11	1790
## ENSG00000112981.5	325
## ENSG00000112983.18	5934
## ENSG00000112984.12	7456
## ENSG00000094880.11	7719
## ENSG00000146013.11	688
## ENSG00000158402.21	2256
## ENSG00000120709.11	9963
## ENSG00000120733.15	20549

## ENSG00000132563.17	2100
## ENSG00000120738.8	1796
## ENSG00000241458.1	5
## ENSG00000120705.13	22741
## ENSG00000289155.2	17
## ENSG00000113013.16	47670
## ENSG00000044115.21	60594
## ENSG00000253404.1	12
## ENSG00000120725.13	3206
## ENSG00000280987.4	124
## ENSG00000281398.4	1205
## ENSG00000015479.20	158
## ENSG00000120727.13	9403
## ENSG00000170482.17	36
## ENSG00000228672.4	295
## ENSG00000170469.11	428
## ENSG00000170464.10	2667
## ENSG00000184584.14	19
## ENSG00000249215.1	7
## ENSG00000131508.17	11875
## ENSG00000171604.12	5629
## ENSG00000146005.4	3
## ENSG00000158458.21	76
## ENSG00000245146.7	24
## ENSG00000185129.8	2108
## ENSG00000182700.5	122
## ENSG00000120306.11	6502
## ENSG00000113068.10	8096
## ENSG00000113070.8	958
## ENSG00000249637.4	76
## ENSG00000131503.21	126
## ENSG00000254996.5	171
## ENSG00000213523.12	2719
## ENSG00000243056.2	61
## ENSG00000113108.20	270
## ENSG00000176087.16	10842
## ENSG00000170458.15	167
## ENSG00000131495.9	3042
## ENSG00000113119.13	2265
## ENSG00000113141.19	10120
## ENSG00000120314.19	3249
## ENSG00000170445.16	8935
## ENSG00000112855.17	4511
## ENSG00000146007.11	12980
## ENSG00000279726.2	13
## ENSG00000204969.7	314
## ENSG00000255408.4	160
## ENSG00000204967.13	1756
## ENSG00000204965.9	46
## ENSG00000081842.18	16
## ENSG00000204963.6	190
## ENSG00000204962.6	59
## ENSG00000204961.7	37
## ENSG00000250120.8	1662

## ENSG00000249158.7	391
## ENSG00000251664.5	1121
## ENSG00000239389.8	6
## ENSG00000248383.5	160
## ENSG00000243232.6	68
## ENSG00000112852.7	1087
## ENSG00000272154.5	22
## ENSG00000113205.5	97
## ENSG00000272108.1	57
## ENSG00000081818.4	64
## ENSG00000113209.9	3199
## ENSG00000113211.6	27
## ENSG00000113212.7	4
## ENSG00000120322.5	5
## ENSG00000272674.4	357
## ENSG00000279068.1	8
## ENSG00000177839.7	148
## ENSG00000279375.1	15
## ENSG00000120324.9	207
## ENSG00000197479.7	57
## ENSG00000120328.6	73
## ENSG00000187372.11	306
## ENSG00000120327.7	235
## ENSG00000113248.6	395
## ENSG00000178913.9	13489
## ENSG00000288095.2	9
## ENSG00000272070.3	16
## ENSG00000204956.6	18
## ENSG00000081853.15	7
## ENSG00000254221.3	27
## ENSG00000262576.3	3
## ENSG00000253910.3	23
## ENSG00000253731.3	7
## ENSG00000253953.3	889
## ENSG00000253767.3	33
## ENSG00000276547.2	43
## ENSG00000261934.3	8
## ENSG00000253305.3	1994
## ENSG00000253846.3	56
## ENSG00000254122.3	1512
## ENSG00000253873.6	24
## ENSG00000253159.3	3
## ENSG00000276545.1	12
## ENSG00000240184.7	789
## ENSG00000242419.6	118
## ENSG00000240764.4	5
## ENSG00000131504.18	21415
## ENSG00000171720.10	8990
## ENSG00000164620.9	198
## ENSG00000197948.11	515
## ENSG00000120318.16	561
## ENSG00000156453.14	745
## ENSG00000226040.3	9
## ENSG00000081791.9	4618

## ENSG00000113555.6	42
## ENSG00000013561.18	4143
## ENSG00000113552.16	15984
## ENSG00000131507.11	19958
## ENSG00000280047.1	54
## ENSG00000187678.10	1279
## ENSG00000231185.9	23
## ENSG00000113578.18	5
## ENSG00000236714.3	5
## ENSG00000145819.18	3156
## ENSG00000113580.15	1464
## ENSG00000231579.3	4
## ENSG00000145817.17	5801
## ENSG00000183775.11	1231
## ENSG00000186314.12	1215
## ENSG00000249363.1	5
## ENSG00000156463.18	3274
## ENSG00000173261.9	23
## ENSG00000133706.20	24057
## ENSG00000091009.8	3634
## ENSG00000091010.6	3
## ENSG00000113649.14	9737
## ENSG00000156475.19	723
## ENSG00000248568.1	22
## ENSG00000169302.16	115
## ENSG00000113657.13	22683
## ENSG00000280780.4	5
## ENSG00000176049.16	795
## ENSG00000287630.1	44
## ENSG00000164266.11	22137
## ENSG00000250346.1	5
## ENSG00000133710.17	250
## ENSG00000247199.6	65
## ENSG00000145868.17	5402
## ENSG00000164270.19	5
## ENSG00000169252.6	27
## ENSG00000169247.14	269
## ENSG00000173210.21	160
## ENSG00000157510.14	414
## ENSG00000164284.15	3502
## ENSG00000145882.11	1891
## ENSG00000113712.19	10516
## ENSG00000230551.4	443
## ENSG00000183111.12	94
## ENSG00000155846.17	811
## ENSG00000132915.12	13
## ENSG00000251583.1	5
## ENSG00000155850.9	2650
## ENSG00000164296.7	385
## ENSG00000113716.13	7911
## ENSG00000182578.14	386
## ENSG00000214485.6	262
## ENSG00000113721.14	1618
## ENSG00000113722.18	241

## ENSG00000011083.9	39
## ENSG00000070808.17	242
## ENSG000000183876.9	1187
## ENSG00000070814.22	21472
## ENSG00000019582.17	3536
## ENSG000000286331.1	110
## ENSG000000164587.13	110548
## ENSG00000070614.15	20097
## ENSG000000171992.13	977
## ENSG000000164591.14	238
## ENSG000000086589.12	5246
## ENSG000000132912.13	7447
## ENSG000000256235.3	1058
## ENSG000000145908.14	2256
## ENSG000000211445.13	2574
## ENSG000000145901.16	12036
## ENSG000000289970.1	5
## ENSG000000197043.15	14379
## ENSG000000254298.1	11
## ENSG000000198624.13	683
## ENSG000000196743.9	6266
## ENSG000000123643.14	2953
## ENSG000000086570.13	26
## ENSG000000271795.1	11
## ENSG000000113140.11	20931
## ENSG000000177556.12	3085
## ENSG000000253921.1	5
## ENSG000000293196.1	5
## ENSG000000275765.6	56
## ENSG000000145907.16	35172
## ENSG000000254226.6	16
## ENSG000000132911.5	3
## ENSG000000155511.19	26
## ENSG000000055147.19	1852
## ENSG000000037749.13	6795
## ENSG000000164574.16	6796
## ENSG000000245275.9	56
## ENSG000000164576.12	2647
## ENSG000000113196.3	26
## ENSG000000155506.19	29410
## ENSG000000170271.11	1185
## ENSG000000155508.14	7273
## ENSG000000082516.9	7588
## ENSG000000082515.18	3639
## ENSG000000226650.6	15
## ENSG000000170624.14	1238
## ENSG000000145850.9	46
## ENSG000000113249.14	5497
## ENSG000000135077.10	20
## ENSG000000155868.8	1117
## ENSG000000055163.21	12522
## ENSG000000248544.2	7
## ENSG000000135074.16	8067
## ENSG000000172548.15	8

## ENSG00000039600.11	35
## ENSG00000113272.14	2579
## ENSG00000155858.6	1279
## ENSG00000113282.14	12326
## ENSG00000164330.18	110
## ENSG00000145860.13	13728
## ENSG00000288764.2	22
## ENSG00000164332.8	4273
## ENSG00000249738.10	5
## ENSG00000248626.1	50
## ENSG00000113312.12	6220
## ENSG00000170234.13	2986
## ENSG00000170231.16	66
## ENSG00000247699.2	3
## ENSG00000135083.17	3629
## ENSG00000254373.1	5
## ENSG00000145861.9	15
## ENSG00000221886.4	353
## ENSG00000164609.10	5071
## ENSG00000164611.13	6150
## ENSG00000118322.14	49
## ENSG00000145864.14	213
## ENSG00000022355.18	21
## ENSG00000113327.17	5
## ENSG00000254186.3	18
## ENSG00000113328.20	54458
## ENSG00000170584.11	2802
## ENSG00000072571.20	7184
## ENSG00000038274.18	11107
## ENSG00000241956.11	45
## ENSG00000229119.3	253
## ENSG00000145934.17	998
## ENSG00000253357.1	14
## ENSG00000253660.1	8
## ENSG00000253978.2	34
## ENSG00000113645.15	12117
## ENSG00000113643.9	14274
## ENSG00000188573.8	79
## ENSG00000120137.7	14308
## ENSG00000233913.7	1737
## ENSG00000184347.16	252
## ENSG00000040275.17	3942
## ENSG00000134516.20	12
## ENSG00000204767.4	64
## ENSG00000182132.15	927
## ENSG00000253591.2	2
## ENSG00000253348.1	7
## ENSG00000094755.17	67
## ENSG00000204764.14	1125
## ENSG00000253966.1	34
## ENSG00000253213.1	11
## ENSG00000164438.6	10
## ENSG00000181163.14	221016
## ENSG00000156427.8	659

## ENSG00000072803.18	10499
## ENSG00000072786.13	2236
## ENSG00000168246.6	10524
## ENSG00000174705.13	15567
## ENSG00000214357.9	587
## ENSG00000253683.1	59
## ENSG00000253736.5	8
## ENSG00000120129.6	4185
## ENSG00000113719.17	25653
## ENSG00000204758.8	10
## ENSG00000037241.7	2721
## ENSG00000253785.1	23
## ENSG00000113732.9	11517
## ENSG00000164463.12	743
## ENSG00000113734.18	726
## ENSG00000183072.10	34
## ENSG00000113739.11	9011
## ENSG00000253955.2	5
## ENSG00000145919.11	7397
## ENSG00000253686.2	23
## ENSG00000113742.14	2170
## ENSG00000170091.11	73
## ENSG00000249306.7	8
## ENSG00000213376.4	6
## ENSG00000249031.1	3
## ENSG00000120149.9	175
## ENSG00000184845.4	24
## ENSG00000164466.13	10615
## ENSG00000113749.8	83
## ENSG00000145920.15	497
## ENSG00000051596.10	1753
## ENSG00000289731.2	5
## ENSG00000170085.18	3567
## ENSG00000251667.1	9
## ENSG00000122203.15	18737
## ENSG00000250909.1	8
## ENSG00000251414.1	11
## ENSG00000175414.7	3875
## ENSG00000048162.22	3098
## ENSG00000146066.3	4709
## ENSG00000175416.16	1820
## ENSG00000113194.13	9889
## ENSG00000146083.12	8458
## ENSG00000074276.11	126
## ENSG00000169258.7	1921
## ENSG00000048140.18	6303
## ENSG00000248859.2	12
## ENSG00000113763.12	324
## ENSG00000087206.17	3176
## ENSG00000113761.12	2788
## ENSG00000251666.1	6
## ENSG00000160867.15	13323
## ENSG00000165671.22	17826
## ENSG00000169228.14	187

## ENSG00000213347.11	422
## ENSG00000169230.10	8572
## ENSG00000169223.16	14763
## ENSG00000169220.18	753
## ENSG00000131187.11	461
## ENSG00000198055.11	5856
## ENSG00000246334.3	27
## ENSG00000131188.12	403
## ENSG00000113758.14	43044
## ENSG00000279821.1	67
## ENSG00000196923.14	8284
## ENSG00000146094.16	216
## ENSG00000183258.12	7425
## ENSG00000146067.17	2647
## ENSG00000272459.1	9
## ENSG00000184840.12	20560
## ENSG00000027847.14	2195
## ENSG00000247679.3	221
## ENSG00000291283.1	7
## ENSG00000246596.8	26
## ENSG00000170074.21	13
## ENSG00000291113.1	891
## ENSG00000249684.6	16
## ENSG00000249129.1	56
## ENSG00000145911.6	753
## ENSG00000145916.19	1916
## ENSG00000145912.10	6608
## ENSG00000289390.1	12
## ENSG00000197451.12	32203
## ENSG00000175309.15	995
## ENSG00000050767.18	51
## ENSG00000113240.14	838
## ENSG00000169131.13	1346
## ENSG00000291019.1	190
## ENSG00000274813.1	30
## ENSG00000178338.11	493
## ENSG00000198939.8	376
## ENSG00000178187.8	489
## ENSG00000254035.1	81
## ENSG00000113262.16	41
## ENSG00000234284.7	398
## ENSG00000177932.7	2502
## ENSG00000087116.17	396
## ENSG00000253520.1	79
## ENSG00000290043.1	218
## ENSG00000176783.15	4830
## ENSG00000244945.1	15
## ENSG00000169045.19	34059
## ENSG00000204661.9	19
## ENSG00000228259.3	5
## ENSG00000250999.2	24
## ENSG00000127022.16	160199
## ENSG00000161021.13	8070
## ENSG00000213316.10	42

## ENSG00000161013.17	15851
## ENSG00000161011.20	9424
## ENSG00000161010.16	1477
## ENSG00000222448.1	3
## ENSG00000245317.2	34
## ENSG00000197226.13	11213
## ENSG00000113269.14	5407
## ENSG00000285865.1	6
## ENSG00000146090.16	25
## ENSG00000050748.18	5271
## ENSG00000248367.2	29
## ENSG00000131459.13	130
## ENSG00000113300.13	12954
## ENSG00000037280.16	325
## ENSG00000131446.17	9243
## ENSG00000280161.1	12
## ENSG00000278970.4	202
## ENSG00000245060.8	201
## ENSG00000196670.14	4297
## ENSG00000250222.4	11
## ENSG00000146054.18	10
## ENSG00000146063.20	2733
## ENSG00000204628.12	189074
## ENSG00000233937.9	111
## ENSG00000183718.6	271
## ENSG00000248275.3	377
## ENSG00000248103.1	155
## ENSG00000274525.1	23
## ENSG00000238035.8	18
## ENSG00000287265.1	4
## ENSG00000112679.15	3422
## ENSG00000137265.16	6
## ENSG00000112685.14	5564
## ENSG00000164379.7	663
## ENSG00000137273.6	23
## ENSG00000054598.9	139
## ENSG00000112699.11	3426
## ENSG00000250903.11	327
## ENSG00000286512.1	5
## ENSG00000164385.11	9
## ENSG00000145949.12	46
## ENSG00000124535.16	3989
## ENSG00000021355.13	8022
## ENSG00000230438.9	313
## ENSG00000170542.6	1379
## ENSG00000124570.21	24045
## ENSG00000244041.7	98
## ENSG00000124588.22	2975
## ENSG00000224846.3	56
## ENSG00000271361.1	8
## ENSG00000288612.1	31
## ENSG00000229282.2	11
## ENSG00000137275.16	2304
## ENSG00000272277.1	13

## ENSG00000137274.13	1902
## ENSG00000137267.7	4497
## ENSG00000216819.1	6
## ENSG00000230269.7	9
## ENSG00000137285.11	26385
## ENSG00000288840.1	35
## ENSG00000180822.12	607
## ENSG00000137266.15	1900
## ENSG00000272320.1	5
## ENSG00000228793.3	21
## ENSG00000168994.14	922
## ENSG00000270504.1	226
## ENSG00000219992.2	3
## ENSG00000145945.7	47
## ENSG00000260604.3	104
## ENSG00000216657.1	16
## ENSG00000288904.2	24
## ENSG00000112739.17	8551
## ENSG00000198721.13	6015
## ENSG00000234817.2	9
## ENSG00000153046.18	4834
## ENSG00000124787.14	615
## ENSG00000272142.4	899
## ENSG00000271978.2	238
## ENSG00000220685.3	26
## ENSG00000288548.1	15
## ENSG00000219607.4	13
## ENSG00000214113.11	3981
## ENSG00000145982.13	1279
## ENSG00000233064.2	9
## ENSG00000124785.9	5
## ENSG00000124491.16	24
## ENSG00000261211.2	108
## ENSG00000124782.21	6531
## ENSG00000124783.14	20811
## ENSG00000164304.16	5
## ENSG00000220472.1	146
## ENSG00000124784.9	3246
## ENSG00000233503.1	7
## ENSG00000234115.2	7
## ENSG00000261189.3	418
## ENSG00000096696.16	152138
## ENSG00000168566.13	3089
## ENSG00000153162.9	1148
## ENSG00000239264.9	218
## ENSG00000188428.20	4169
## ENSG00000124802.12	2983
## ENSG00000232234.4	37
## ENSG00000285216.1	18
## ENSG00000124786.13	2766
## ENSG00000285219.4	360
## ENSG00000137203.15	64
## ENSG00000285278.1	7
## ENSG00000111846.20	6561

## ENSG00000285763.1	48
## ENSG00000137434.12	97
## ENSG00000111845.5	3323
## ENSG00000111843.14	7932
## ENSG00000272097.2	15
## ENSG00000137210.14	4468
## ENSG00000111837.12	83
## ENSG00000153157.14	140
## ENSG00000197977.4	556
## ENSG00000224531.6	1850
## ENSG00000111859.17	6302
## ENSG00000242753.2	3
## ENSG00000205269.6	2406
## ENSG00000111863.13	20
## ENSG00000229896.2	5
## ENSG00000095951.17	3252
## ENSG00000078401.7	3058
## ENSG00000212802.4	730
## ENSG00000112137.19	206
## ENSG00000215022.8	24
## ENSG00000145979.18	2134
## ENSG00000145990.11	523
## ENSG00000124523.17	1614
## ENSG00000225921.7	4856
## ENSG00000010017.13	7694
## ENSG00000050393.12	3467
## ENSG00000272209.1	9
## ENSG00000180537.13	304
## ENSG00000112149.10	795
## ENSG00000285639.1	0
## ENSG00000286281.1	14
## ENSG00000234261.6	18
## ENSG00000271888.1	28
## ENSG00000008083.14	12959
## ENSG00000047579.20	1153
## ENSG00000007944.15	1152
## ENSG00000137198.10	146
## ENSG00000124788.19	3137
## ENSG00000229931.3	154
## ENSG00000272341.1	253
## ENSG00000230873.9	278
## ENSG00000287559.1	6
## ENSG00000112183.15	154
## ENSG00000112186.13	1189
## ENSG00000184612.8	26
## ENSG00000286885.3	13
## ENSG00000137414.7	4576
## ENSG00000124789.12	13546
## ENSG00000272269.2	18
## ENSG00000137177.20	4374
## ENSG00000187566.6	34
## ENSG00000137364.5	2072
## ENSG00000165097.16	2511
## ENSG00000124795.17	21100

## ENSG00000137393.10	154
## ENSG00000228412.9	35
## ENSG00000214012.4	17
## ENSG00000172201.12	1477
## ENSG00000172197.11	1398
## ENSG00000289981.1	16
## ENSG00000112242.16	5775
## ENSG00000145996.11	2555
## ENSG00000124766.7	46058
## ENSG00000272168.10	824
## ENSG00000260455.2	8
## ENSG00000289368.2	7
## ENSG00000146038.12	9396
## ENSG00000146049.2	21
## ENSG00000124532.15	7777
## ENSG00000112293.15	469
## ENSG00000112294.14	1829
## ENSG00000137261.15	247
## ENSG00000111802.14	8490
## ENSG00000112304.11	4243
## ENSG00000272345.1	19
## ENSG00000112308.14	11454
## ENSG00000272402.1	12
## ENSG00000112312.10	4742
## ENSG00000111913.20	4826
## ENSG00000214975.4	48
## ENSG00000293489.1	1
## ENSG00000219682.4	19
## ENSG00000079691.19	5394
## ENSG00000286933.1	7
## ENSG00000079689.15	1645
## ENSG00000290217.1	15
## ENSG00000146039.11	102
## ENSG00000124564.17	14
## ENSG00000112337.11	9
## ENSG00000112343.11	2392
## ENSG00000272462.4	119
## ENSG00000275714.2	12
## ENSG00000287080.2	13
## ENSG00000187837.4	259
## ENSG00000180596.9	7
## ENSG00000010704.19	132
## ENSG00000197061.5	9
## ENSG00000180573.10	315
## ENSG00000168298.7	8
## ENSG00000158373.9	266
## ENSG00000274290.3	34
## ENSG00000282988.2	9
## ENSG00000277224.3	9
## ENSG00000276966.3	17
## ENSG00000273802.3	42
## ENSG00000277075.3	31
## ENSG00000274750.3	116
## ENSG00000277775.2	16

## ENSG00000275713.3	434
## ENSG00000273983.2	17
## ENSG00000278588.2	7
## ENSG00000158406.6	63
## ENSG00000186470.14	1442
## ENSG00000124508.17	1164
## ENSG00000026950.17	794
## ENSG00000291104.1	92
## ENSG00000124549.17	20
## ENSG00000111801.16	94
## ENSG00000112763.17	2304
## ENSG00000124557.14	335
## ENSG00000228223.3	832
## ENSG00000182952.5	8553
## ENSG00000146109.5	3971
## ENSG00000181315.11	2394
## ENSG00000285571.1	8
## ENSG00000290474.1	51
## ENSG00000224843.8	46
## ENSG00000287966.3	48
## ENSG00000272468.1	25
## ENSG00000124635.9	177
## ENSG00000196787.4	101
## ENSG00000290032.1	542
## ENSG00000276180.2	35
## ENSG00000197903.8	1066
## ENSG00000274997.2	12
## ENSG00000290009.1	7
## ENSG00000112812.16	965
## ENSG00000291112.1	568
## ENSG00000124613.9	1155
## ENSG00000271755.1	35
## ENSG00000096654.16	1697
## ENSG00000286652.1	7
## ENSG00000281706.5	202
## ENSG00000287252.3	80
## ENSG00000185130.6	4
## ENSG00000196747.5	23
## ENSG00000278828.2	79
## ENSG00000276368.2	11
## ENSG00000197238.5	3
## ENSG00000273542.2	7
## ENSG00000275221.2	10
## ENSG00000233822.6	43
## ENSG00000276903.2	13
## ENSG00000184357.5	11
## ENSG00000197153.5	12
## ENSG00000278677.2	5
## ENSG00000274641.2	12
## ENSG00000269293.5	264
## ENSG00000272009.1	3
## ENSG00000197279.5	996
## ENSG00000291008.1	227
## ENSG00000196812.6	956

## ENSG00000261839.1	5
## ENSG00000198315.11	6981
## ENSG00000226314.9	39
## ENSG00000280107.1	4
## ENSG00000216901.1	7
## ENSG00000176933.5	32
## ENSG00000137185.13	1831
## ENSG00000187626.9	978
## ENSG00000189134.4	68
## ENSG00000197062.12	1320
## ENSG00000137338.6	1380
## ENSG00000235109.8	206
## ENSG00000290051.1	11
## ENSG00000189298.14	1063
## ENSG00000158691.15	3367
## ENSG00000187987.10	348
## ENSG00000287804.3	43
## ENSG00000232040.4	1265
## ENSG00000246350.1	11
## ENSG00000235559.1	34
## ENSG00000225173.2	163
## ENSG00000204713.11	10785
## ENSG00000204709.4	12
## ENSG00000228666.1	14
## ENSG00000227214.2	58
## ENSG00000244349.1	20
## ENSG00000197935.7	509
## ENSG00000237988.6	2267
## ENSG00000213886.4	21
## ENSG00000204681.11	794
## ENSG00000235238.1	48
## ENSG00000204655.12	6
## ENSG00000204644.10	21
## ENSG00000204642.14	94
## ENSG00000204632.13	53
## ENSG00000206341.7	458
## ENSG00000227262.3	5
## ENSG00000230795.3	33
## ENSG00000206503.14	12747
## ENSG00000293508.1	214
## ENSG00000290574.2	19
## ENSG00000237669.1	15
## ENSG00000066379.15	1314
## ENSG00000204619.8	5620
## ENSG00000204618.10	121
## ENSG00000204616.11	30
## ENSG00000234127.9	4440
## ENSG00000233892.1	7
## ENSG00000270604.5	31
## ENSG00000291097.1	31
## ENSG00000280128.1	1003
## ENSG00000231074.11	3216
## ENSG00000204599.16	1477
## ENSG00000241370.6	44

## ENSG00000236603.2	148
## ENSG00000204592.9	7065
## ENSG00000235781.1	3
## ENSG00000204590.13	6528
## ENSG00000204576.12	2141
## ENSG00000204574.14	17348
## ENSG00000204569.10	8873
## ENSG00000204568.12	5937
## ENSG00000137343.18	1745
## ENSG00000204564.12	646
## ENSG00000204560.10	5140
## ENSG00000146112.12	5835
## ENSG00000137404.15	2871
## ENSG00000137337.16	9155
## ENSG00000196230.14	303194
## ENSG00000272540.1	10
## ENSG00000137312.15	9329
## ENSG00000272273.3	23
## ENSG00000137331.12	1222
## ENSG00000204580.14	20263
## ENSG00000213780.11	6
## ENSG00000137411.19	10
## ENSG00000196260.5	14
## ENSG00000168631.14	270
## ENSG00000261272.1	14
## ENSG00000204536.15	1733
## ENSG00000137310.13	871
## ENSG00000272501.1	16
## ENSG00000204525.18	21515
## ENSG00000227939.1	222
## ENSG00000234745.14	5716
## ENSG00000272221.1	47
## ENSG00000204520.14	697
## ENSG00000206337.12	225
## ENSG00000204516.10	93
## ENSG00000198563.14	2231
## ENSG00000213760.11	114
## ENSG00000204498.11	1482
## ENSG00000232810.5	29
## ENSG00000227507.3	728
## ENSG00000204482.11	5
## ENSG00000204472.13	142
## ENSG00000204469.13	35824
## ENSG00000204463.14	35728
## ENSG00000204444.11	406
## ENSG00000204439.4	2461
## ENSG00000204438.11	2415
## ENSG00000201207.1	6
## ENSG00000204435.15	2717
## ENSG00000263020.6	3
## ENSG00000240053.9	66
## ENSG00000204428.12	113
## ENSG00000204427.12	661
## ENSG00000204420.10	14

## ENSG00000204421.3	7
## ENSG00000213722.10	10945
## ENSG00000213719.8	57776
## ENSG00000204410.16	45
## ENSG00000228727.10	11
## ENSG00000235663.1	18
## ENSG00000204396.11	434
## ENSG00000204394.13	26220
## ENSG00000201555.1	4
## ENSG00000204392.11	5544
## ENSG00000204390.10	161
## ENSG00000204389.10	1841
## ENSG00000289829.1	8
## ENSG00000204388.7	3677
## ENSG00000204387.14	2403
## ENSG00000204386.12	7742
## ENSG00000204385.13	2324
## ENSG00000237080.3	6
## ENSG00000204371.12	11106
## ENSG00000166278.16	46
## ENSG00000204366.4	2157
## ENSG00000243649.10	120
## ENSG00000204356.14	7657
## ENSG00000204351.13	4973
## ENSG00000204348.10	962
## ENSG00000204344.16	707
## ENSG00000244731.10	20
## ENSG00000224389.9	19
## ENSG00000168477.21	221
## ENSG00000286974.1	9
## ENSG00000213676.13	6275
## ENSG00000204315.4	985
## ENSG00000204314.12	34
## ENSG00000284954.1	11
## ENSG00000221988.13	2126
## ENSG00000258388.7	46
## ENSG00000241404.7	36
## ENSG00000204310.13	10459
## ENSG00000204308.8	7686
## ENSG00000204305.16	172
## ENSG00000204304.12	15904
## ENSG00000213654.10	384
## ENSG00000204301.6	75
## ENSG00000225914.5	27
## ENSG00000237285.1	9
## ENSG00000204287.14	10
## ENSG00000198502.6	387
## ENSG00000196126.12	1289
## ENSG00000196735.13	37
## ENSG00000179344.17	1473
## ENSG00000223534.1	13
## ENSG00000237541.4	22
## ENSG00000241106.8	3
## ENSG00000204267.19	498

## ENSG00000204264.12	613
## ENSG00000204261.9	3
## ENSG00000240065.8	31
## ENSG00000168394.13	2152
## ENSG00000289559.2	17
## ENSG00000289047.2	2604
## ENSG00000242574.9	49
## ENSG00000204257.15	123
## ENSG00000204256.14	21786
## ENSG00000204252.14	430
## ENSG00000231389.8	340
## ENSG00000223865.11	10203
## ENSG00000291111.1	10
## ENSG00000204248.12	240
## ENSG00000204231.11	2524
## ENSG00000112473.19	25635
## ENSG00000204228.4	327
## ENSG00000288751.1	6
## ENSG00000204227.5	2750
## ENSG00000272217.1	19
## ENSG00000289975.1	28
## ENSG00000232940.8	24
## ENSG00000223501.9	3681
## ENSG00000231500.7	202893
## ENSG00000235863.4	186
## ENSG00000227057.10	6873
## ENSG00000204220.12	3830
## ENSG00000237441.10	5089
## ENSG00000289100.1	29
## ENSG00000231925.14	2330
## ENSG00000236104.3	1741
## ENSG00000204209.13	7129
## ENSG00000228285.2	23
## ENSG00000237649.8	6119
## ENSG00000112511.18	1570
## ENSG00000112514.18	13558
## ENSG00000197283.18	1867
## ENSG00000213588.6	3007
## ENSG00000030110.14	5256
## ENSG00000197251.4	12
## ENSG00000096433.11	18919
## ENSG00000137288.10	4113
## ENSG00000161896.12	97
## ENSG00000161904.13	4670
## ENSG00000124493.14	161
## ENSG00000214810.4	12
## ENSG00000288879.2	5
## ENSG00000137309.21	138150
## ENSG00000276404.1	5
## ENSG00000186577.14	291
## ENSG00000272325.2	217
## ENSG00000270800.4	7
## ENSG00000124614.17	112
## ENSG00000124507.11	88

## ENSG00000124664.11	42
## ENSG00000196821.10	18265
## ENSG00000272288.8	46
## ENSG00000217130.1	71
## ENSG00000124562.10	9445
## ENSG00000065060.18	9043
## ENSG00000064995.19	5680
## ENSG00000064999.16	7345
## ENSG00000124678.20	5
## ENSG00000146197.9	3259
## ENSG00000272374.1	14
## ENSG00000065029.15	1703
## ENSG00000023892.12	217
## ENSG00000112033.14	2332
## ENSG00000112039.6	770
## ENSG00000198755.11	113418
## ENSG00000007866.22	5210
## ENSG00000112041.13	5
## ENSG00000219023.1	45
## ENSG00000289456.1	687
## ENSG00000096060.15	2180
## ENSG00000157343.9	23
## ENSG00000137392.10	114
## ENSG00000197753.11	65
## ENSG00000096063.16	14139
## ENSG00000112053.14	9
## ENSG00000112062.12	6523
## ENSG00000156711.17	1082
## ENSG00000246982.7	13
## ENSG00000096070.19	5685
## ENSG00000180316.13	2
## ENSG00000189325.7	467
## ENSG00000010030.14	43
## ENSG00000112078.14	8852
## ENSG00000112079.9	6051
## ENSG00000112081.17	37425
## ENSG00000124762.14	13650
## ENSG00000285244.1	3
## ENSG00000255587.9	6
## ENSG00000124772.12	20
## ENSG00000137168.8	8338
## ENSG00000198663.17	5958
## ENSG00000164530.15	8
## ENSG00000137409.21	18842
## ENSG00000226976.3	91
## ENSG00000137193.14	1939
## ENSG00000172738.13	42
## ENSG00000065491.8	2016
## ENSG00000286672.1	6
## ENSG00000112130.17	4210
## ENSG00000137200.13	4396
## ENSG00000198937.9	2694
## ENSG00000112139.17	134
## ENSG00000225945.1	13

## ENSG00000156639.12	9089
## ENSG00000183826.19	1174
## ENSG00000124767.7	32945
## ENSG00000124721.18	9
## ENSG00000112164.6	2146
## ENSG00000112167.11	1504
## ENSG00000164626.9	5750
## ENSG00000124780.14	2909
## ENSG00000095981.11	1969
## ENSG00000164627.18	296
## ENSG00000146122.17	513
## ENSG00000124615.20	1768
## ENSG00000180211.5	50
## ENSG00000226070.2	26
## ENSG00000156564.10	251
## ENSG00000124602.10	134
## ENSG00000124596.17	4814
## ENSG00000112212.12	11
## ENSG00000124701.6	115
## ENSG00000001167.15	11351
## ENSG00000161912.19	16
## ENSG00000290554.1	8
## ENSG00000234753.7	138
## ENSG00000226917.6	0
## ENSG00000137166.18	14416
## ENSG00000112559.15	1539
## ENSG00000112561.19	62
## ENSG00000137218.10	279
## ENSG00000124593.16	58
## ENSG00000164663.15	666
## ENSG00000288721.1	2
## ENSG00000124641.16	2961
## ENSG00000112578.10	5377
## ENSG00000112576.13	1624
## ENSG00000137413.17	2187
## ENSG00000188112.10	4436
## ENSG00000112599.9	19
## ENSG00000048544.6	5608
## ENSG00000124496.13	2916
## ENSG00000024048.11	5712
## ENSG00000112619.8	97
## ENSG00000124659.7	2266
## ENSG00000112624.14	1864
## ENSG00000146223.16	23582
## ENSG00000221821.4	174
## ENSG00000288010.1	20
## ENSG00000287825.3	105
## ENSG00000137161.18	6476
## ENSG00000231113.2	137
## ENSG00000181524.6	457
## ENSG00000124713.6	18
## ENSG00000124587.14	3233
## ENSG00000290049.1	31
## ENSG00000112640.16	6986

## ENSG00000124733.5	4224
## ENSG00000124702.19	12070
## ENSG00000124541.7	4560
## ENSG00000272223.1	10
## ENSG00000044090.13	5756
## ENSG00000137171.15	1635
## ENSG00000112651.12	662
## ENSG00000272170.1	13
## ENSG00000112655.16	17314
## ENSG00000112658.8	7724
## ENSG00000112659.14	1477
## ENSG00000112667.13	2262
## ENSG00000146216.14	261
## ENSG00000146215.14	50
## ENSG00000171467.16	4357
## ENSG00000287055.1	123
## ENSG00000287266.1	29
## ENSG00000124574.15	3693
## ENSG00000171462.15	150
## ENSG00000137221.14	2391
## ENSG00000204052.5	204
## ENSG00000171453.20	3008
## ENSG00000137207.12	11284
## ENSG00000271754.1	3
## ENSG00000124571.18	15080
## ENSG00000219470.1	20
## ENSG00000170734.12	2244
## ENSG00000203362.2	113
## ENSG00000172432.19	3058
## ENSG00000124688.14	2631
## ENSG00000172426.16	69
## ENSG00000096080.12	2080
## ENSG00000112715.26	5764
## ENSG00000289313.1	26
## ENSG00000237686.8	20
## ENSG00000289609.2	16
## ENSG00000181577.16	6
## ENSG00000231881.2	23
## ENSG00000287562.1	123
## ENSG00000180992.7	2965
## ENSG00000137216.19	5642
## ENSG00000262179.3	15
## ENSG00000112759.19	6149
## ENSG00000096384.20	359689
## ENSG00000157593.20	7683
## ENSG00000146232.17	1531
## ENSG00000178233.18	146
## ENSG00000146221.10	8
## ENSG00000124608.5	3225
## ENSG00000096401.8	9527
## ENSG00000196284.18	2236
## ENSG00000124813.23	164
## ENSG00000271857.1	5
## ENSG00000112782.19	5517

## ENSG00000231769.4	13
## ENSG00000001561.7	2215
## ENSG00000112796.10	653
## ENSG00000229349.2	14
## ENSG00000172348.16	2277
## ENSG00000146233.8	724
## ENSG00000153291.16	168
## ENSG00000180113.16	91
## ENSG00000146070.17	340
## ENSG00000112818.11	238
## ENSG00000069122.19	2
## ENSG00000153292.16	24
## ENSG00000146072.6	41374
## ENSG00000270761.2	27
## ENSG00000198087.7	10991
## ENSG00000293467.1	6
## ENSG00000153294.12	46
## ENSG00000244694.8	1148
## ENSG00000226068.1	8
## ENSG00000146085.8	3503
## ENSG00000031691.7	833
## ENSG00000197261.12	321
## ENSG00000124490.14	40
## ENSG00000008196.13	18
## ENSG00000060303.5	19
## ENSG00000230204.1	11
## ENSG00000232702.3	10
## ENSG00000170927.15	76
## ENSG00000112118.20	25188
## ENSG00000170915.9	6877
## ENSG00000096093.16	1264
## ENSG00000065308.5	6620
## ENSG00000225791.7	548
## ENSG00000291006.1	8192
## ENSG00000096092.6	6663
## ENSG00000220377.1	10
## ENSG00000237674.1	4
## ENSG00000244067.3	13798
## ENSG00000243955.6	117207
## ENSG00000170899.11	7560
## ENSG00000112144.16	6868
## ENSG00000112146.17	3947
## ENSG00000012660.14	21514
## ENSG00000271367.1	12
## ENSG00000219863.5	9
## ENSG00000001084.13	3811
## ENSG00000235899.4	7
## ENSG00000124743.6	76
## ENSG00000227885.4	91
## ENSG00000137269.15	6276
## ENSG00000271218.1	5
## ENSG00000146147.15	17
## ENSG00000137251.16	10
## ENSG00000168143.9	1300

## ENSG00000146151.14	918
## ENSG00000112175.8	2675
## ENSG00000124749.18	472
## ENSG00000220666.2	9
## ENSG00000151914.22	24872
## ENSG00000231441.2	13
## ENSG00000151917.18	258
## ENSG00000168116.14	1426
## ENSG00000112200.17	4807
## ENSG00000226803.9	23
## ENSG00000112208.11	2558
## ENSG00000112210.12	2043
## ENSG00000146143.19	3010
## ENSG00000272316.1	40
## ENSG00000290555.1	271
## ENSG00000250686.2	12
## ENSG00000112232.10	1027
## ENSG00000198225.5	45
## ENSG00000146166.17	19
## ENSG00000289911.1	16
## ENSG00000112245.13	60
## ENSG00000266680.1	407
## ENSG00000285976.3	11
## ENSG00000213309.3	15
## ENSG00000118482.12	12153
## ENSG00000188107.15	57
## ENSG00000236345.3	59
## ENSG00000214558.5	86
## ENSG00000233859.2	25
## ENSG00000218890.1	6
## ENSG00000135298.15	46
## ENSG00000168216.13	4483
## ENSG00000219085.1	13
## ENSG00000082293.13	170
## ENSG00000216365.2	16
## ENSG00000112280.18	335
## ENSG00000082269.17	3567
## ENSG00000154079.6	1017
## ENSG00000271967.1	8
## ENSG00000232389.1	30
## ENSG00000112305.15	1278
## ENSG00000112309.11	27
## ENSG00000218350.1	13
## ENSG00000233237.9	160
## ENSG00000119900.9	4358
## ENSG00000218014.1	19
## ENSG00000079841.20	40
## ENSG00000185760.18	198
## ENSG00000135314.14	379
## ENSG00000229852.4	270
## ENSG00000235174.1	629
## ENSG00000290002.1	19
## ENSG00000164430.17	58
## ENSG00000135297.17	2274

## ENSG00000156508.19	1905157
## ENSG00000119899.13	2418
## ENSG00000156535.15	147
## ENSG00000111799.22	3299
## ENSG00000112695.13	10913
## ENSG00000112697.17	20091
## ENSG00000225793.5	8
## ENSG00000118407.15	82
## ENSG00000112701.18	8350
## ENSG00000196586.17	18487
## ENSG00000112706.12	10
## ENSG00000135312.7	123
## ENSG00000269964.4	17
## ENSG00000146243.14	1322
## ENSG00000146247.15	8953
## ENSG00000286340.3	121
## ENSG00000118418.16	7142
## ENSG00000270362.2	158
## ENSG00000135338.14	1183
## ENSG00000287811.3	52
## ENSG00000279659.1	4
## ENSG00000198478.8	8773
## ENSG00000118402.6	2539
## ENSG00000218582.2	36
## ENSG00000112742.10	5030
## ENSG00000218418.2	20
## ENSG00000083123.15	2021
## ENSG00000272129.1	81
## ENSG00000279022.1	9
## ENSG00000233967.7	30
## ENSG00000260645.2	23
## ENSG00000112773.16	5065
## ENSG00000226453.4	34
## ENSG00000005700.15	11993
## ENSG00000146242.9	1078
## ENSG00000118420.17	835
## ENSG00000083097.15	2605
## ENSG00000013375.17	7159
## ENSG00000013392.8	959
## ENSG00000065833.9	1816
## ENSG00000146250.7	1548
## ENSG00000065609.15	64
## ENSG00000203877.9	5
## ENSG00000065615.14	2330
## ENSG00000135324.6	278
## ENSG00000135315.12	1635
## ENSG00000112837.17	352
## ENSG00000234155.1	27
## ENSG00000214460.3	27
## ENSG00000135318.12	3699
## ENSG00000135317.14	549
## ENSG00000135316.20	13270
## ENSG00000203875.13	785
## ENSG00000288021.1	5

## ENSG00000168830.8	167
## ENSG00000135346.9	48
## ENSG00000272008.1	18
## ENSG00000188994.14	6950
## ENSG00000164411.12	9
## ENSG00000111850.11	749
## ENSG00000203872.7	40
## ENSG00000272514.6	10
## ENSG00000213204.8	8
## ENSG00000164414.19	559
## ENSG00000146282.19	5706
## ENSG00000135336.16	4670
## ENSG00000135334.9	5013
## ENSG00000118432.13	847
## ENSG00000111880.16	3961
## ENSG00000146278.11	8569
## ENSG00000154548.9	1940
## ENSG00000288009.1	24
## ENSG00000146281.6	3493
## ENSG00000111886.11	18
## ENSG00000198833.7	8856
## ENSG00000025039.15	969
## ENSG00000135299.18	2958
## ENSG00000083099.11	4977
## ENSG00000112159.13	8351
## ENSG00000228124.1	13
## ENSG00000118412.13	3028
## ENSG00000135355.4	7
## ENSG00000112182.16	655
## ENSG00000135341.19	6177
## ENSG00000135333.15	13985
## ENSG00000288085.1	36
## ENSG00000172469.17	1223
## ENSG00000172461.11	72
## ENSG00000233797.4	40
## ENSG00000014123.10	3328
## ENSG00000213183.3	5
## ENSG00000112218.9	920
## ENSG00000123545.6	2306
## ENSG00000186231.17	97
## ENSG00000146263.12	2575
## ENSG00000184486.10	1080
## ENSG00000112234.9	2874
## ENSG00000232699.3	11
## ENSG00000146267.12	1986
## ENSG00000132423.12	1043
## ENSG00000132424.17	5626
## ENSG00000228506.4	213
## ENSG00000123552.18	1675
## ENSG00000279170.3	137
## ENSG00000112237.13	11025
## ENSG00000112238.12	14
## ENSG00000112246.10	2473
## ENSG00000112249.14	18694

## ENSG00000260000.3	104
## ENSG00000270987.1	12
## ENSG00000164418.22	136
## ENSG00000085382.12	1633
## ENSG00000203809.7	19
## ENSG00000187772.8	15583
## ENSG00000290011.1	21
## ENSG00000112276.14	481
## ENSG00000203808.13	10
## ENSG00000132429.10	174
## ENSG00000085377.15	10883
## ENSG00000231628.1	19
## ENSG00000286084.3	11
## ENSG00000057657.17	1437
## ENSG00000057663.16	4361
## ENSG00000112297.18	1416
## ENSG00000130347.13	1391
## ENSG00000130348.11	4780
## ENSG00000235142.12	113
## ENSG00000272398.6	243883
## ENSG00000130349.10	824
## ENSG00000178409.14	2773
## ENSG00000164494.12	1689
## ENSG00000112320.12	1840
## ENSG00000234206.5	6
## ENSG00000289433.1	6
## ENSG00000146285.15	58
## ENSG00000025796.14	14758
## ENSG00000272476.1	37
## ENSG00000225093.1	101
## ENSG00000081087.16	2107
## ENSG00000112335.15	8895
## ENSG00000135537.17	704
## ENSG00000118689.15	6209
## ENSG00000286511.1	6
## ENSG00000118690.13	329
## ENSG00000228834.1	8
## ENSG00000080546.14	4152
## ENSG00000183137.16	1707
## ENSG00000293470.2	12
## ENSG00000293541.1	3
## ENSG00000135535.17	32859
## ENSG00000260273.2	10
## ENSG00000185250.16	561
## ENSG00000135587.9	1515
## ENSG00000135596.18	8225
## ENSG00000112365.6	3087
## ENSG00000155085.16	556
## ENSG00000112367.12	2842
## ENSG00000146360.9	14
## ENSG00000112290.13	5806
## ENSG00000168438.15	3544
## ENSG00000053328.9	347
## ENSG00000155111.15	2738

## ENSG00000123505.19	23328
## ENSG00000155115.7	5860
## ENSG00000197498.13	4810
## ENSG00000112394.18	1116
## ENSG00000173214.7	1959
## ENSG00000271789.1	21
## ENSG00000009413.17	5190
## ENSG00000272356.1	44
## ENSG00000231889.9	402
## ENSG00000056972.21	2435
## ENSG00000255389.1	149
## ENSG00000010810.18	8946
## ENSG00000074935.14	662
## ENSG00000203778.8	877
## ENSG00000112769.20	14
## ENSG00000219773.1	7
## ENSG00000225580.2	12
## ENSG00000288560.1	4
## ENSG00000218208.1	16
## ENSG00000230943.4	65
## ENSG00000289198.1	87
## ENSG00000277443.3	49928
## ENSG00000196591.12	53588
## ENSG00000228624.8	214
## ENSG00000216723.1	6
## ENSG00000249853.9	848
## ENSG00000111816.8	4712
## ENSG00000186743.2	10
## ENSG00000178425.14	7726
## ENSG00000123500.10	8
## ENSG00000187189.11	5924
## ENSG00000111817.19	2405
## ENSG00000189241.8	11219
## ENSG00000217241.1	33
## ENSG00000178033.6	108
## ENSG00000289304.2	14
## ENSG00000111832.13	4654
## ENSG00000111834.13	394
## ENSG00000153975.10	1833
## ENSG00000196911.12	1316
## ENSG00000183807.8	322
## ENSG00000173612.10	25
## ENSG00000185002.10	5384
## ENSG00000170162.14	17
## ENSG00000047936.11	17
## ENSG00000164465.19	2220
## ENSG00000047932.14	4614
## ENSG00000289372.2	84
## ENSG00000153989.8	8408
## ENSG00000196376.11	1234
## ENSG00000230202.1	541
## ENSG00000111860.14	800
## ENSG00000198523.6	42
## ENSG00000286339.1	1663

## ENSG00000217330.1	112
## ENSG00000111877.18	851
## ENSG00000111875.8	3923
## ENSG00000253194.2	11
## ENSG00000111879.20	806
## ENSG00000111885.7	12542
## ENSG00000216316.1	4
## ENSG00000287100.3	16
## ENSG00000146350.14	307
## ENSG00000152661.9	30550
## ENSG0000025156.13	3616
## ENSG00000279453.1	300
## ENSG00000111897.7	20844
## ENSG00000135549.16	3750
## ENSG00000164434.12	110
## ENSG00000172594.13	453
## ENSG00000146352.13	49
## ENSG00000186439.15	6
## ENSG00000188580.16	11
## ENSG00000236548.3	29
## ENSG00000146373.17	1272
## ENSG00000111907.21	1508
## ENSG00000111906.18	5489
## ENSG00000286299.1	12
## ENSG00000135547.9	6
## ENSG00000111912.20	1539
## ENSG00000111911.7	2594
## ENSG00000066651.20	2006
## ENSG00000293110.1	49
## ENSG00000203760.9	1724
## ENSG00000146374.14	2798
## ENSG00000118518.17	3480
## ENSG00000093144.19	6525
## ENSG00000213131.3	14
## ENSG00000220744.1	14
## ENSG00000214338.11	29
## ENSG00000184530.9	19
## ENSG00000152894.15	15593
## ENSG00000289190.2	9
## ENSG00000196569.14	112
## ENSG00000220884.2	6
## ENSG00000219642.2	15
## ENSG00000146376.11	3388
## ENSG00000198945.8	3150
## ENSG00000227678.8	12
## ENSG00000164483.17	93
## ENSG00000164484.12	2494
## ENSG00000256162.2	24
## ENSG00000079819.20	11446
## ENSG00000118507.19	6580
## ENSG00000289262.1	73
## ENSG00000112282.18	3179
## ENSG00000197594.14	476
## ENSG00000228495.3	23

## ENSG00000118523.6	6710
## ENSG00000079931.15	818
## ENSG00000079950.14	4927
## ENSG00000146409.12	3649
## ENSG00000112306.8	86725
## ENSG00000206754.1	10
## ENSG00000221500.1	5
## ENSG00000200534.1	11
## ENSG00000112319.21	77
## ENSG00000118526.7	20
## ENSG00000028839.10	2519
## ENSG00000146411.6	599
## ENSG00000118515.12	8178
## ENSG00000236700.8	13
## ENSG00000118514.14	27
## ENSG00000112339.15	8332
## ENSG00000118513.21	437
## ENSG00000135541.22	2451
## ENSG00000231028.11	32
## ENSG00000171408.14	230
## ENSG00000146410.12	678
## ENSG00000029363.17	24894
## ENSG00000260418.1	55
## ENSG00000135525.19	5416
## ENSG00000272189.1	78
## ENSG00000197442.11	109
## ENSG00000112357.14	793
## ENSG00000182747.5	99
## ENSG00000016402.14	93
## ENSG00000027697.16	3548
## ENSG00000230533.5	8
## ENSG00000237499.7	11
## ENSG00000118503.18	643
## ENSG00000112378.12	29993
## ENSG00000112379.9	4730
## ENSG00000051620.11	5869
## ENSG00000135540.12	4775
## ENSG00000225177.6	222
## ENSG00000279968.3	77
## ENSG00000024862.18	908
## ENSG00000203734.13	12
## ENSG00000135597.19	9983
## ENSG00000146386.8	10759
## ENSG00000112406.5	1045
## ENSG00000164442.11	3157
## ENSG00000238099.3	3
## ENSG00000135577.5	12
## ENSG00000270983.1	5
## ENSG00000009844.16	8361
## ENSG00000112414.15	32345
## ENSG00000236366.3	17
## ENSG00000010818.11	3675
## ENSG00000232618.2	33
## ENSG00000229017.7	5

## ENSG00000146416.19	3502
## ENSG00000217648.1	123
## ENSG00000189007.16	1193
## ENSG00000034693.15	1260
## ENSG00000278206.1	16
## ENSG00000293105.1	264
## ENSG00000001036.14	12234
## ENSG00000112419.15	6072
## ENSG00000135521.9	3133
## ENSG00000270890.1	13
## ENSG00000118495.21	1254
## ENSG00000169976.7	6812
## ENSG00000135604.11	35
## ENSG00000217027.1	86
## ENSG00000152818.20	19887
## ENSG00000112425.16	636
## ENSG00000270638.1	10
## ENSG00000288056.1	3
## ENSG00000280184.2	16
## ENSG00000118496.5	3980
## ENSG00000235652.11	105
## ENSG00000146414.17	2483
## ENSG00000152822.15	75
## ENSG00000118508.5	4550
## ENSG00000233452.9	59
## ENSG00000164506.16	3989
## ENSG00000203727.4	1347
## ENSG00000111961.19	2278
## ENSG00000111962.8	796
## ENSG00000219487.2	9
## ENSG000000055208.20	9854
## ENSG00000178199.14	11
## ENSG00000289045.1	22
## ENSG00000131013.4	4257
## ENSG000000055211.14	2533
## ENSG00000233330.1	17
## ENSG00000293098.1	85
## ENSG00000202343.1	4
## ENSG00000186625.14	1786
## ENSG00000131023.13	3335
## ENSG00000278899.1	19
## ENSG00000120253.14	6218
## ENSG00000120265.21	6376
## ENSG00000231760.5	18
## ENSG00000120256.11	162
## ENSG00000131015.5	7
## ENSG00000111981.5	151
## ENSG00000231120.3	12
## ENSG00000131019.11	1743
## ENSG00000198729.5	400
## ENSG00000009765.15	18
## ENSG00000120278.17	5689
## ENSG00000232891.1	5
## ENSG00000213089.4	15

## ENSG00000120254.16	8168
## ENSG00000219747.1	79
## ENSG00000213087.3	75
## ENSG00000131016.17	5920
## ENSG00000181472.5	2381
## ENSG00000155906.20	4179
## ENSG00000219395.2	8
## ENSG00000146476.11	8122
## ENSG00000120262.10	123
## ENSG00000091831.25	13
## ENSG00000131018.25	2739
## ENSG00000112029.10	2674
## ENSG00000227627.5	13
## ENSG00000112031.16	1416
## ENSG00000091844.8	252
## ENSG00000218426.5	664
## ENSG00000074706.14	15
## ENSG00000153721.19	1886
## ENSG00000287260.2	62
## ENSG00000213079.10	7594
## ENSG00000146426.19	1946
## ENSG00000235381.1	104
## ENSG00000029639.11	1085
## ENSG00000171217.5	7
## ENSG00000271265.1	6
## ENSG00000049618.25	8997
## ENSG00000271551.2	7
## ENSG00000215712.11	2113
## ENSG00000271040.1	28
## ENSG00000286482.2	30
## ENSG00000175048.17	2719
## ENSG00000130340.17	6562
## ENSG00000078269.15	6351
## ENSG00000122335.17	2120
## ENSG00000272047.4	2851
## ENSG00000130338.13	3030
## ENSG00000188451.8	6
## ENSG00000146433.10	8392
## ENSG00000218226.1	106
## ENSG00000146425.11	9771
## ENSG00000164674.17	138
## ENSG00000092820.19	76375
## ENSG00000203711.16	73
## ENSG00000130363.13	1880
## ENSG00000271913.9	56
## ENSG00000164694.17	133
## ENSG00000237927.1	6
## ENSG00000291237.1	7478
## ENSG00000220305.1	8
## ENSG00000146457.16	11473
## ENSG00000285427.1	26
## ENSG00000120437.9	9552
## ENSG00000120438.12	46744
## ENSG00000112110.10	4845

## ENSG00000146453.13	8
## ENSG00000197081.16	37736
## ENSG00000175003.15	10
## ENSG00000112499.13	10
## ENSG00000146477.6	2124
## ENSG00000287656.1	18
## ENSG00000213071.12	78
## ENSG00000290613.1	5
## ENSG00000122194.20	65
## ENSG00000292246.1	7
## ENSG00000272841.1	185
## ENSG00000085511.20	2999
## ENSG00000026652.15	4607
## ENSG00000185345.25	172
## ENSG00000112530.13	62
## ENSG00000270419.2	14
## ENSG00000112531.17	13564
## ENSG00000287550.1	5
## ENSG00000112539.15	47
## ENSG00000112541.19	2006
## ENSG00000176381.6	29
## ENSG00000287189.2	15
## ENSG00000198818.10	2322
## ENSG00000233231.1	15
## ENSG00000286760.3	165
## ENSG00000060762.20	1579
## ENSG00000261420.1	14
## ENSG00000280057.1	14
## ENSG00000071242.12	5422
## ENSG00000232082.1	14
## ENSG00000235272.3	21
## ENSG00000235008.1	19
## ENSG00000026297.17	799
## ENSG00000227598.1	15
## ENSG00000285730.1	7
## ENSG00000265828.1	4
## ENSG00000213066.14	1173
## ENSG00000272980.5	8
## ENSG00000231720.1	6
## ENSG00000112494.10	1088
## ENSG00000120440.15	45
## ENSG00000217447.1	7
## ENSG00000272549.1	9
## ENSG00000287594.3	26
## ENSG00000203688.6	24
## ENSG00000198221.12	177
## ENSG00000130396.22	23970
## ENSG00000235994.4	7
## ENSG00000229921.7	10
## ENSG00000153303.18	7
## ENSG00000234647.2	10
## ENSG00000164488.12	2876
## ENSG00000224417.2	164
## ENSG00000112562.20	1831

## ENSG00000226445.2	20
## ENSG00000186340.17	9
## ENSG00000272848.2	2
## ENSG00000184465.16	815
## ENSG00000185127.7	4723
## ENSG00000130024.15	8657
## ENSG00000227704.3	284
## ENSG00000184786.6	129
## ENSG00000130023.16	813
## ENSG00000266896.1	15
## ENSG00000229214.2	337
## ENSG00000231690.5	199
## ENSG00000236173.1	16
## ENSG00000288162.1	9
## ENSG00000198719.9	1470
## ENSG00000112584.14	5365
## ENSG00000288829.1	63
## ENSG00000008018.9	17554
## ENSG00000112592.15	1698
## ENSG00000071994.11	6573
## ENSG00000282572.4	16
## ENSG00000242474.3	612
## ENSG00000240859.3	14
## ENSG00000177706.9	2755
## ENSG00000286710.1	13
## ENSG00000197461.13	6890
## ENSG00000223855.4	84
## ENSG00000188191.16	4277
## ENSG00000164818.16	7748
## ENSG00000164828.18	8665
## ENSG00000239857.7	177
## ENSG00000273151.1	131
## ENSG00000105963.15	333
## ENSG00000240230.6	1433
## ENSG00000073067.14	14
## ENSG00000146540.15	4836
## ENSG00000164849.10	9
## ENSG00000224079.1	3
## ENSG00000164850.16	29
## ENSG00000178381.12	543
## ENSG00000229043.3	244
## ENSG00000164853.9	12
## ENSG00000164877.19	292
## ENSG00000273230.1	191
## ENSG00000164880.16	10789
## ENSG00000198517.10	1217
## ENSG00000164855.16	218
## ENSG00000157778.9	1062
## ENSG00000230487.9	614
## ENSG00000225968.8	1381
## ENSG00000002822.16	25
## ENSG00000122687.19	32
## ENSG00000106268.16	1011
## ENSG00000106266.11	2176

## ENSG00000106263.19	30815
## ENSG00000136213.10	1900
## ENSG00000106003.14	431
## ENSG00000106009.16	3070
## ENSG00000106012.19	3456
## ENSG00000136295.16	27802
## ENSG00000288792.1	12
## ENSG00000174945.14	43
## ENSG00000146535.14	10276
## ENSG00000198286.11	3804
## ENSG00000231892.1	7
## ENSG00000236708.1	15
## ENSG00000146555.20	6668
## ENSG00000164916.11	6496
## ENSG00000242802.9	1579
## ENSG00000157927.17	247
## ENSG00000213935.3	8
## ENSG00000196204.12	1796
## ENSG00000272968.5	5
## ENSG00000146587.18	3350
## ENSG00000159904.13	7
## ENSG00000157954.15	9678
## ENSG00000164638.11	11719
## ENSG00000182095.15	14324
## ENSG00000290091.1	4
## ENSG00000272953.2	9
## ENSG00000234432.4	212
## ENSG00000273084.2	195
## ENSG00000155034.21	1952
## ENSG00000207973.1	8
## ENSG00000075624.17	461266
## ENSG00000228974.5	0
## ENSG00000075618.18	42236
## ENSG00000011275.19	6583
## ENSG00000291099.1	29
## ENSG00000122674.12	891
## ENSG00000155026.17	14
## ENSG00000122512.17	2480
## ENSG00000106305.10	2803
## ENSG00000086232.13	17873
## ENSG00000157999.6	30
## ENSG00000106346.12	3080
## ENSG00000008256.17	5892
## ENSG00000136238.20	36368
## ENSG00000164535.15	3063
## ENSG00000136240.10	23385
## ENSG00000215045.9	50
## ENSG00000136247.15	4521
## ENSG00000146576.13	2027
## ENSG00000236609.4	1614
## ENSG00000205903.7	2670
## ENSG00000228010.6	83
## ENSG00000198580.7	157
## ENSG00000164631.19	4057

## ENSG00000290835.1	350
## ENSG00000169402.16	9
## ENSG00000146574.16	1473
## ENSG00000287860.3	32
## ENSG00000106392.11	6625
## ENSG00000230825.3	51
## ENSG00000215018.10	378
## ENSG00000272732.1	23
## ENSG00000272894.5	38
## ENSG00000164654.16	5476
## ENSG00000106399.11	2766
## ENSG00000219545.12	1304
## ENSG00000234141.1	8
## ENSG00000106415.13	2488
## ENSG00000003147.19	2887
## ENSG00000227719.1	10
## ENSG00000229970.3	6
## ENSG00000122584.13	10
## ENSG00000234710.3	35
## ENSG00000189043.10	17368
## ENSG00000271185.1	5
## ENSG00000106443.17	8932
## ENSG00000230333.6	9
## ENSG00000005108.17	1611
## ENSG00000106460.20	8143
## ENSG00000146530.15	11
## ENSG00000236048.2	6
## ENSG00000006747.15	148
## ENSG00000122644.13	733
## ENSG00000237713.1	16
## ENSG00000006468.15	753
## ENSG00000136267.14	154
## ENSG00000187546.14	7
## ENSG00000235828.5	10
## ENSG00000214960.11	258
## ENSG00000171243.8	290
## ENSG00000272361.2	14
## ENSG00000106524.9	4188
## ENSG00000136261.16	22789
## ENSG00000235837.1	10
## ENSG00000106537.8	35784
## ENSG00000106541.12	99624
## ENSG00000173467.9	1544
## ENSG00000106546.14	5828
## ENSG00000237773.8	24
## ENSG00000236318.2	10
## ENSG00000236039.3	401
## ENSG00000071189.21	3702
## ENSG00000279048.2	23
## ENSG00000048052.25	622
## ENSG00000122691.13	14
## ENSG00000105849.6	4576
## ENSG00000173452.15	662
## ENSG00000237921.2	7

## ENSG00000243004.7	10
## ENSG00000213860.4	48
## ENSG00000183742.13	4186
## ENSG00000233834.7	161
## ENSG00000271133.7	88
## ENSG00000105855.10	3429
## ENSG00000164651.18	694
## ENSG00000219451.3	71
## ENSG00000290069.1	4
## ENSG00000105866.15	2010
## ENSG00000105877.19	281
## ENSG00000164649.20	3468
## ENSG00000136237.20	2141
## ENSG00000105889.16	75
## ENSG00000233476.3	1667
## ENSG00000232759.1	94
## ENSG00000232949.2	37
## ENSG00000196683.12	10091
## ENSG00000228649.11	191
## ENSG00000226279.2	6
## ENSG00000122591.13	5711
## ENSG00000230658.2	95
## ENSG00000122550.18	6115
## ENSG00000230042.1	22
## ENSG00000136243.18	1336
## ENSG00000226816.3	34
## ENSG00000136235.17	23
## ENSG00000156928.5	2032
## ENSG00000136231.14	15619
## ENSG00000289109.1	25
## ENSG00000236654.2	17
## ENSG00000232818.2	109
## ENSG00000164548.12	4654
## ENSG00000169193.12	1026
## ENSG00000234286.3	165
## ENSG00000188732.11	903
## ENSG00000196335.13	15
## ENSG00000122585.8	43
## ENSG00000105926.16	3687
## ENSG00000105928.16	3341
## ENSG00000287093.1	17
## ENSG00000070882.13	7133
## ENSG00000172115.9	20145
## ENSG00000153790.12	572
## ENSG00000285960.1	8
## ENSG00000239622.1	9
## ENSG00000270933.2	12
## ENSG00000050344.9	4547
## ENSG00000122566.22	131245
## ENSG00000122565.19	26893
## ENSG00000086300.17	674
## ENSG00000225792.3	68
## ENSG00000214870.11	100
## ENSG00000005020.13	3334

## ENSG00000105991.10	1527
## ENSG00000233429.9	305
## ENSG00000105996.7	393
## ENSG00000105997.23	833
## ENSG00000253552.8	620
## ENSG00000197576.15	188
## ENSG00000254369.6	37
## ENSG00000106004.5	455
## ENSG00000122592.8	5
## ENSG00000078399.19	1
## ENSG00000106031.9	1
## ENSG00000233830.2	88
## ENSG00000106049.9	3326
## ENSG00000106052.14	14467
## ENSG00000153814.13	509
## ENSG00000146592.17	896
## ENSG00000255690.3	1078
## ENSG00000106066.15	5890
## ENSG00000106069.26	1412
## ENSG00000285081.1	5
## ENSG00000223813.5	113
## ENSG00000176532.4	2210
## ENSG00000293330.1	44
## ENSG00000288973.1	829
## ENSG00000227855.5	110
## ENSG00000291213.1	33
## ENSG00000122574.12	1414
## ENSG00000136193.17	20616
## ENSG00000227014.6	12
## ENSG00000106080.11	2239
## ENSG00000106086.21	9516
## ENSG00000231519.1	18
## ENSG00000180354.16	3339
## ENSG00000180233.11	1052
## ENSG00000235859.5	274
## ENSG00000281404.2	19
## ENSG00000106100.11	352
## ENSG00000006625.18	3415
## ENSG00000196295.13	618
## ENSG00000244480.1	7
## ENSG00000106105.15	29088
## ENSG00000106113.19	23
## ENSG00000241644.2	20
## ENSG00000106125.14	66
## ENSG00000240583.14	61
## ENSG00000078549.16	38
## ENSG00000180347.15	72
## ENSG00000106341.11	182
## ENSG00000154678.18	310
## ENSG00000226468.2	14
## ENSG00000226421.1	9
## ENSG00000106355.10	5936
## ENSG00000105778.20	7170
## ENSG00000229358.3	68

## ENSG00000293076.1	84
## ENSG00000273014.1	78
## ENSG00000281332.1	88
## ENSG00000231952.3	15
## ENSG00000170852.12	3774
## ENSG00000291146.1	41
## ENSG00000122642.11	15844
## ENSG00000122643.23	2207
## ENSG00000164610.10	1656
## ENSG00000122507.21	1351
## ENSG00000164619.10	29
## ENSG00000236212.2	14
## ENSG00000197085.11	22
## ENSG00000187258.14	6
## ENSG00000230356.1	202
## ENSG00000173852.16	7008
## ENSG00000287249.1	49
## ENSG00000291133.1	10
## ENSG00000289089.1	6
## ENSG00000288947.2	6
## ENSG00000164532.11	4
## ENSG00000287032.1	8
## ENSG00000122557.11	2885
## ENSG00000271122.1	995
## ENSG00000227544.10	2
## ENSG00000228878.10	83
## ENSG00000122545.22	15933
## ENSG00000122547.12	2263
## ENSG00000164542.13	3548
## ENSG00000011426.11	8524
## ENSG00000136250.12	14
## ENSG00000155849.16	2081
## ENSG00000187037.9	17
## ENSG00000106483.12	11
## ENSG00000086289.13	338
## ENSG00000010270.14	6932
## ENSG00000281103.4	56
## ENSG00000078053.17	139
## ENSG00000227404.1	4
## ENSG00000006715.16	6180
## ENSG00000106536.21	90
## ENSG00000233854.2	11
## ENSG00000241127.8	1208
## ENSG00000236015.1	26
## ENSG00000287584.1	10
## ENSG00000006451.8	11004
## ENSG00000228554.1	18
## ENSG00000188185.13	471
## ENSG00000226220.1	6
## ENSG00000233225.3	43
## ENSG00000175741.5	382
## ENSG00000259826.1	34
## ENSG00000065883.18	7959
## ENSG00000289269.1	2

## ENSG00000168303.9	2285
## ENSG00000175600.16	515
## ENSG00000122641.11	5865
## ENSG00000224116.7	15
## ENSG00000106571.15	3907
## ENSG00000229161.2	11
## ENSG00000261019.1	8
## ENSG00000136197.14	6
## ENSG00000106588.12	34
## ENSG00000106591.4	3513
## ENSG00000002746.15	42
## ENSG00000231638.1	3
## ENSG00000164543.7	4192
## ENSG00000106603.20	6018
## ENSG00000106605.11	2582
## ENSG00000062582.14	115
## ENSG00000270617.1	5
## ENSG00000106608.17	3654
## ENSG00000078967.13	827
## ENSG00000214783.9	26
## ENSG00000273432.1	2
## ENSG00000241057.2	11
## ENSG00000239556.4	24
## ENSG00000136206.5	19
## ENSG00000228434.1	8
## ENSG00000290872.1	133
## ENSG00000290758.1	280
## ENSG00000235314.1	112
## ENSG00000288746.2	11
## ENSG00000136279.21	6601
## ENSG00000122678.17	887
## ENSG00000106624.11	1857
## ENSG00000106628.13	15048
## ENSG00000106631.8	646
## ENSG00000106633.18	557
## ENSG00000106636.9	12221
## ENSG00000058404.21	278
## ENSG00000015676.18	10027
## ENSG00000146677.7	329
## ENSG00000015520.15	2426
## ENSG00000136271.11	7649
## ENSG00000158604.15	9207
## ENSG00000287574.1	42
## ENSG00000105953.16	10548
## ENSG00000122515.16	8222
## ENSG00000196262.15	115812
## ENSG00000105968.19	18497
## ENSG00000146676.10	5595
## ENSG00000136286.16	9
## ENSG00000232956.10	1423
## ENSG00000136280.17	3924
## ENSG00000136274.9	1257
## ENSG00000136270.14	8747
## ENSG00000206838.1	7

## ENSG00000201772.1	22
## ENSG00000164742.16	2748
## ENSG00000290107.1	26
## ENSG00000291207.1	411
## ENSG00000291208.1	159
## ENSG00000146678.10	20
## ENSG00000146674.16	5251
## ENSG00000233539.5	6
## ENSG00000136205.18	14122
## ENSG00000236078.2	17
## ENSG00000158683.10	40
## ENSG00000225507.1	178
## ENSG00000136273.13	1749
## ENSG00000164744.14	3
## ENSG00000183696.14	976
## ENSG00000179869.15	124
## ENSG00000185811.21	37
## ENSG00000132436.13	1874
## ENSG00000290114.1	61
## ENSG00000132437.18	5279
## ENSG00000106070.20	14424
## ENSG00000228204.2	5
## ENSG00000106078.19	6706
## ENSG00000227344.2	17
## ENSG00000170419.11	66
## ENSG00000132432.14	6037
## ENSG00000146648.21	8425
## ENSG00000224057.2	174
## ENSG00000132434.10	2011
## ENSG00000154978.13	5948
## ENSG00000291029.1	49
## ENSG00000176826.16	8
## ENSG00000224971.1	11
## ENSG00000226278.1	1235
## ENSG00000249773.3	12
## ENSG00000178665.16	427
## ENSG00000146729.10	6724
## ENSG00000239789.6	951
## ENSG00000146733.14	7269
## ENSG00000146731.11	45066
## ENSG00000129103.19	10632
## ENSG00000164776.11	13
## ENSG00000106153.13	12300
## ENSG00000223559.1	16
## ENSG00000213650.3	11
## ENSG00000235720.1	6
## ENSG00000236976.1	38
## ENSG00000234444.10	2053
## ENSG00000287985.1	55
## ENSG00000232727.2	19
## ENSG00000228653.2	25
## ENSG00000173041.12	1369
## ENSG00000235349.1	2
## ENSG00000213642.3	8

## ENSG00000286456.3	900
## ENSG00000224669.1	7
## ENSG00000287317.1	7
## ENSG00000196247.13	3097
## ENSG00000271550.1	28
## ENSG00000224172.1	6
## ENSG00000197008.10	1106
## ENSG00000234338.1	117
## ENSG00000182722.5	12
## ENSG00000213640.3	11
## ENSG00000198039.12	1184
## ENSG00000223476.1	20
## ENSG00000270948.1	5
## ENSG00000286342.3	21
## ENSG00000152926.16	1238
## ENSG00000213462.5	559
## ENSG00000290860.1	27
## ENSG00000226002.1	12
## ENSG00000290545.1	6
## ENSG00000289108.1	35
## ENSG00000282381.2	115
## ENSG00000232906.1	41
## ENSG00000146757.14	2329
## ENSG00000290926.1	133
## ENSG00000273024.7	24
## ENSG00000291124.1	72
## ENSG00000224316.1	6
## ENSG00000236529.2	2
## ENSG00000196715.7	8235
## ENSG00000169919.17	3004
## ENSG00000229886.1	8
## ENSG00000126522.17	1644
## ENSG00000241258.7	2426
## ENSG00000169902.15	2651
## ENSG00000179406.10	180
## ENSG00000237310.3	94
## ENSG00000234500.1	2
## ENSG00000291136.1	826
## ENSG00000225573.4	84
## ENSG00000243335.10	577
## ENSG00000226824.8	49
## ENSG00000289015.1	5
## ENSG00000154710.18	91
## ENSG00000291206.1	16
## ENSG00000289177.2	5
## ENSG00000232546.1	13
## ENSG00000230295.1	20
## ENSG00000273142.1	145
## ENSG00000106609.16	11506
## ENSG00000126524.12	5361
## ENSG00000198874.14	3189
## ENSG00000291154.1	108
## ENSG00000230358.6	8
## ENSG00000291153.1	532

## ENSG00000273448.1	6
## ENSG00000234215.3	6
## ENSG00000158321.19	6360
## ENSG00000185274.13	321
## ENSG00000183166.12	135
## ENSG00000277149.5	128
## ENSG00000291152.1	892
## ENSG00000196313.13	7453
## ENSG00000289042.1	49
## ENSG00000290831.1	28
## ENSG00000155428.12	7
## ENSG00000290832.1	115
## ENSG00000174384.9	9
## ENSG00000293241.1	454
## ENSG00000205578.6	35
## ENSG00000130305.17	2856
## ENSG00000146755.11	40
## ENSG00000188763.5	136
## ENSG00000009954.11	26555
## ENSG00000106635.8	2597
## ENSG00000106638.18	6089
## ENSG00000009950.16	794
## ENSG00000274080.1	12
## ENSG00000176428.6	793
## ENSG00000176410.8	905
## ENSG00000071462.13	5066
## ENSG00000106089.12	1014
## ENSG00000106077.19	3947
## ENSG00000165215.6	1509
## ENSG00000189143.10	24794
## ENSG00000165171.11	473
## ENSG00000049540.19	21
## ENSG00000106683.15	9934
## ENSG00000106682.16	42708
## ENSG00000207741.1	5
## ENSG00000086730.17	51
## ENSG00000049541.11	3799
## ENSG00000106665.16	5859
## ENSG00000006704.11	4910
## ENSG00000263001.8	10874
## ENSG00000232729.8	6
## ENSG00000196275.16	26
## ENSG00000290833.1	138
## ENSG00000123965.13	83
## ENSG00000184616.12	107
## ENSG00000274070.2	5046
## ENSG00000274523.5	5228
## ENSG00000174428.19	316
## ENSG00000290871.1	71
## ENSG00000278416.1	9
## ENSG00000290951.1	27
## ENSG00000178809.12	18
## ENSG00000291151.1	109
## ENSG00000272391.6	6983

## ENSG00000170092.15	28
## ENSG00000291092.1	59
## ENSG00000127946.17	15461
## ENSG00000006606.9	7
## ENSG00000005486.17	11866
## ENSG00000127948.17	12349
## ENSG00000189077.11	2267
## ENSG00000127952.17	3332
## ENSG00000146701.12	24096
## ENSG00000230882.1	8
## ENSG00000177679.16	251
## ENSG00000106211.10	4604
## ENSG00000170027.7	53675
## ENSG00000146700.9	1085
## ENSG00000188372.15	43
## ENSG00000091073.20	1156
## ENSG00000243566.7	1
## ENSG00000290873.1	195
## ENSG00000146707.15	539
## ENSG00000214243.3	15
## ENSG00000265479.7	12
## ENSG00000186704.9	14
## ENSG00000205482.11	16
## ENSG00000291121.1	6
## ENSG00000213542.3	8
## ENSG00000135205.15	97
## ENSG00000250990.1	7
## ENSG00000186088.16	181
## ENSG00000127947.16	9770
## ENSG00000214293.11	557
## ENSG00000187257.16	3094
## ENSG00000135211.6	1215
## ENSG00000006576.17	2274
## ENSG00000232756.1	9
## ENSG00000187391.23	2082
## ENSG00000234456.10	3959
## ENSG00000127955.17	4802
## ENSG00000135218.19	32
## ENSG00000075223.14	3796
## ENSG00000019991.18	125
## ENSG00000153956.17	6691
## ENSG00000186472.20	368
## ENSG00000170381.15	144
## ENSG00000075213.11	14942
## ENSG00000229251.3	29
## ENSG00000153993.14	3123
## ENSG00000224059.1	8
## ENSG00000227785.1	6
## ENSG00000198822.11	22
## ENSG00000233073.2	8
## ENSG00000164659.15	3200
## ENSG00000224046.3	46
## ENSG00000135164.19	3246
## ENSG00000135185.12	833

## ENSG00000182165.20	1071
## ENSG00000005469.12	2789
## ENSG00000005471.19	77
## ENSG00000085563.15	564
## ENSG00000105784.16	27
## ENSG00000075303.13	1705
## ENSG00000006634.8	3822
## ENSG00000008277.15	1100
## ENSG00000075142.14	12126
## ENSG00000127954.13	5
## ENSG00000237709.1	10
## ENSG00000182348.7	21
## ENSG00000291119.1	8
## ENSG00000164647.9	564
## ENSG00000157214.14	402
## ENSG00000105792.19	224
## ENSG00000105793.16	1718
## ENSG00000157224.16	6046
## ENSG00000058091.17	10788
## ENSG00000223969.7	100
## ENSG00000157240.4	1448
## ENSG00000127989.14	1062
## ENSG00000287672.1	22
## ENSG00000127914.19	9178
## ENSG00000001630.18	960
## ENSG00000188693.8	13
## ENSG00000001631.17	439
## ENSG00000001629.10	6036
## ENSG00000157259.8	3628
## ENSG00000244055.2	48
## ENSG00000242950.7	4
## ENSG00000127980.16	2935
## ENSG00000127993.16	753
## ENSG00000234545.8	2083
## ENSG00000105810.10	4908
## ENSG00000237819.7	14
## ENSG00000205413.8	81
## ENSG00000188175.10	2535
## ENSG00000004766.17	2459
## ENSG00000004948.16	105
## ENSG00000237729.2	31
## ENSG00000105825.14	1189
## ENSG00000127920.6	74
## ENSG00000278959.1	8
## ENSG00000105829.13	1495
## ENSG00000236861.6	17
## ENSG00000164692.19	2861
## ENSG00000127995.17	3920
## ENSG00000127990.19	2808
## ENSG00000242265.6	53196
## ENSG00000232385.2	35
## ENSG00000158528.12	3693
## ENSG00000005421.9	24
## ENSG00000105852.11	13

## ENSG00000290101.1	8
## ENSG00000105854.13	9618
## ENSG00000004799.8	665
## ENSG00000158560.14	232
## ENSG00000004864.14	9647
## ENSG00000127922.10	8946
## ENSG00000231764.11	37
## ENSG00000006377.11	30
## ENSG00000105880.7	158
## ENSG00000196636.8	1568
## ENSG00000006128.12	379
## ENSG00000070669.17	57
## ENSG00000284707.2	57
## ENSG00000238228.1	28
## ENSG00000183444.10	7
## ENSG00000285725.1	81
## ENSG00000243554.1	75
## ENSG00000164715.6	4399
## ENSG00000180535.4	394
## ENSG00000205356.10	1522
## ENSG00000164713.10	3399
## ENSG00000006453.14	3750
## ENSG00000214389.2	1585
## ENSG00000106236.4	687
## ENSG00000166448.15	49
## ENSG00000196367.15	11848
## ENSG00000286305.1	7
## ENSG00000198742.10	6613
## ENSG00000185467.8	14
## ENSG00000284523.2	5
## ENSG00000241685.10	2454
## ENSG00000130429.16	372
## ENSG00000106244.13	17727
## ENSG00000106245.11	5143
## ENSG00000106246.18	960
## ENSG00000160917.15	4512
## ENSG00000228335.1	20
## ENSG00000241468.8	7527
## ENSG00000198556.14	462
## ENSG00000160908.15	1355
## ENSG00000196652.12	4306
## ENSG00000221909.3	1380
## ENSG00000197343.11	4531
## ENSG00000272647.3	10
## ENSG00000244219.7	37
## ENSG00000197037.11	1923
## ENSG00000224448.1	3
## ENSG00000106258.16	1842
## ENSG00000146833.16	525
## ENSG00000286923.3	21
## ENSG00000106261.17	15133
## ENSG00000166529.16	815
## ENSG00000166526.19	8131
## ENSG00000168090.10	7774

## ENSG00000166508.19	37716
## ENSG00000207547.1	30
## ENSG00000221838.11	1534
## ENSG00000106290.16	4488
## ENSG00000166997.8	1207
## ENSG00000214309.5	85
## ENSG00000188186.11	4956
## ENSG00000146826.17	1136
## ENSG00000197093.11	345
## ENSG00000213420.8	3415
## ENSG00000066923.19	153
## ENSG00000291122.1	1373
## ENSG00000292277.1	72
## ENSG00000213413.3	15
## ENSG00000291178.1	424
## ENSG00000290682.1	69
## ENSG00000272752.6	18
## ENSG00000121716.21	72
## ENSG00000085514.16	21
## ENSG00000078487.18	94
## ENSG00000146834.15	541
## ENSG00000160813.7	419
## ENSG00000185955.5	6
## ENSG00000166925.9	2131
## ENSG00000166924.9	271
## ENSG00000106351.13	440
## ENSG00000077454.17	971
## ENSG00000106336.13	34
## ENSG00000106333.13	675
## ENSG00000106330.12	1071
## ENSG00000106327.13	61
## ENSG00000077080.10	120
## ENSG00000172354.10	15362
## ENSG00000146830.11	3133
## ENSG00000172336.5	2490
## ENSG00000130427.3	36
## ENSG00000196411.10	18468
## ENSG00000146828.18	2660
## ENSG00000236305.3	23
## ENSG00000087077.14	6235
## ENSG00000087087.20	11903
## ENSG00000176125.7	78
## ENSG00000087085.16	543
## ENSG00000169894.18	991
## ENSG00000205277.10	53
## ENSG00000227053.2	8
## ENSG00000169871.13	3386
## ENSG00000106366.9	298
## ENSG00000106367.15	5406
## ENSG00000264425.1	3
## ENSG00000128564.8	257
## ENSG00000106397.12	9130
## ENSG00000106400.12	4497
## ENSG00000106404.14	308

## ENSG00000214253.9	6023
## ENSG00000288749.2	88
## ENSG00000232445.2	578
## ENSG00000128581.17	2508
## ENSG00000160963.14	15214
## ENSG00000257923.12	7259
## ENSG00000160999.11	361
## ENSG00000260097.3	23
## ENSG00000128563.13	2551
## ENSG00000290830.1	4
## ENSG00000239480.1	7
## ENSG00000160991.17	5143
## ENSG00000160993.4	1209
## ENSG00000161036.13	2549
## ENSG00000005075.16	3415
## ENSG00000170667.16	170
## ENSG00000168255.20	98
## ENSG00000205238.12	12
## ENSG00000285437.2	12
## ENSG00000279168.3	30
## ENSG00000105808.19	84
## ENSG00000173678.15	5
## ENSG00000228049.8	26
## ENSG00000286830.1	96
## ENSG00000222011.9	555
## ENSG00000213385.3	40
## ENSG00000161040.19	253
## ENSG00000128606.13	1003
## ENSG00000170632.14	5245
## ENSG00000233025.1	9
## ENSG00000161048.12	1110
## ENSG00000224415.1	17
## ENSG00000289956.1	11
## ENSG00000291139.1	27
## ENSG00000105819.15	8370
## ENSG00000105821.15	4407
## ENSG00000161057.13	10688
## ENSG00000235354.1	5
## ENSG00000189056.15	5327
## ENSG00000164815.11	2531
## ENSG00000187416.13	42
## ENSG00000197258.5	364
## ENSG00000225329.3	358
## ENSG00000005483.23	7564
## ENSG00000228393.6	106
## ENSG00000239569.5	65
## ENSG00000272918.1	29
## ENSG00000135250.17	6723
## ENSG00000244490.1	13
## ENSG00000242154.1	3
## ENSG00000091127.14	4957
## ENSG00000135249.8	1836
## ENSG00000185055.11	165
## ENSG00000272604.1	133

## ENSG00000231167.3	108
## ENSG00000146776.15	517
## ENSG00000226624.1	3
## ENSG00000128536.16	424
## ENSG00000008282.10	13223
## ENSG00000105835.13	10090
## ENSG00000253276.5	1341
## ENSG00000005249.14	1589
## ENSG00000105856.14	4169
## ENSG00000272072.1	15
## ENSG00000164597.15	3980
## ENSG00000105865.11	354
## ENSG00000288558.3	333
## ENSG00000272854.1	3
## ENSG00000075790.12	20
## ENSG00000238832.1	11
## ENSG00000250474.2	30
## ENSG00000091137.14	9
## ENSG00000241764.5	78
## ENSG00000105879.13	6907
## ENSG00000091138.13	3453
## ENSG00000091140.15	10996
## ENSG00000091136.15	106125
## ENSG00000273055.1	26
## ENSG00000091128.13	60
## ENSG00000091129.22	1844
## ENSG00000135241.17	2469
## ENSG00000231006.1	10
## ENSG00000177683.14	2598
## ENSG00000128590.5	3320
## ENSG00000226965.2	41
## ENSG00000184903.10	1327
## ENSG00000173114.13	98
## ENSG00000128512.24	2098
## ENSG00000287011.1	41
## ENSG00000198839.10	3389
## ENSG00000226851.1	27
## ENSG00000006652.15	697
## ENSG00000181016.9	9
## ENSG00000146802.13	3084
## ENSG00000164603.12	2304
## ENSG00000164604.14	227
## ENSG00000214194.9	2857
## ENSG00000154415.8	5
## ENSG00000128573.28	275
## ENSG00000135272.13	470
## ENSG00000105967.16	9
## ENSG00000135269.18	19526
## ENSG00000243243.5	5
## ENSG00000105971.15	1086
## ENSG00000105974.13	332
## ENSG00000105976.16	9019
## ENSG00000198898.16	15006
## ENSG00000227199.1	57

## ENSG00000004866.22	2024
## ENSG00000105989.10	7
## ENSG00000001626.18	3696
## ENSG00000077063.11	716
## ENSG00000128534.8	3779
## ENSG00000106013.15	27
## ENSG00000184408.10	2025
## ENSG00000106025.9	3376
## ENSG00000071243.16	1367
## ENSG00000106034.18	198
## ENSG00000002745.13	714
## ENSG00000196937.11	8434
## ENSG00000234985.2	11
## ENSG00000289578.1	308
## ENSG00000106278.12	610
## ENSG00000008311.16	3832
## ENSG00000081803.17	645
## ENSG00000164675.11	54
## ENSG00000232524.1	16
## ENSG00000128609.16	7271
## ENSG00000106299.8	9563
## ENSG00000272686.1	274
## ENSG00000106302.10	1
## ENSG00000234224.3	103
## ENSG00000242593.8	6
## ENSG00000279419.1	9
## ENSG00000170775.3	508
## ENSG00000128513.16	1875
## ENSG00000224897.9	71
## ENSG00000186676.3	15
## ENSG00000179603.19	214
## ENSG00000048405.11	1710
## ENSG00000279265.1	10
## ENSG00000224138.1	37
## ENSG00000280347.1	121
## ENSG00000179562.3	4754
## ENSG00000004059.11	14711
## ENSG00000106328.10	10
## ENSG00000106331.19	1058
## ENSG00000197157.11	39090
## ENSG00000128594.8	2933
## ENSG00000292309.1	9
## ENSG00000106344.8	3881
## ENSG00000224940.10	15
## ENSG00000106348.19	5821
## ENSG00000135245.10	2749
## ENSG00000240758.2	12
## ENSG00000165055.16	3101
## ENSG00000273270.1	536
## ENSG00000242588.7	2183
## ENSG00000213280.2	45
## ENSG00000271553.1	14
## ENSG00000205085.13	53
## ENSG00000271344.1	18

## ENSG00000128595.17	44375
## ENSG00000128596.17	782
## ENSG00000128591.16	30665
## ENSG00000135253.16	308
## ENSG00000128524.5	6026
## ENSG00000272899.4	41
## ENSG00000128604.21	127
## ENSG00000275106.1	8
## ENSG00000064419.14	10026
## ENSG00000244556.1	14
## ENSG00000293205.1	76
## ENSG00000230626.6	20
## ENSG00000158457.6	1016
## ENSG00000128602.11	10111
## ENSG00000243230.1	16
## ENSG00000158467.17	2142
## ENSG00000238072.1	306
## ENSG00000128578.10	256
## ENSG00000240204.3	65
## ENSG00000273329.2	224
## ENSG00000106459.15	1891
## ENSG00000186591.13	15236
## ENSG00000091732.17	2491
## ENSG00000128607.14	6211
## ENSG00000146842.17	3354
## ENSG00000240571.1	13
## ENSG00000158516.12	565
## ENSG00000128510.12	20
## ENSG00000091704.10	214
## ENSG00000106477.20	2340
## ENSG00000259920.1	33
## ENSG00000272701.3	157
## ENSG00000106484.16	31466
## ENSG00000158623.14	6074
## ENSG00000270953.1	27
## ENSG00000286214.1	305
## ENSG00000231721.8	23
## ENSG00000128585.18	5322
## ENSG00000233287.1	9
## ENSG00000236753.7	115
## ENSG00000128567.17	4414
## ENSG00000213261.3	82
## ENSG00000236281.1	7
## ENSG00000221866.10	47
## ENSG00000106554.13	8131
## ENSG00000283041.1	2628
## ENSG00000237821.1	36
## ENSG00000131558.15	11055
## ENSG00000155530.4	53
## ENSG00000205060.11	7387
## ENSG00000273297.4	23
## ENSG00000085662.14	13877
## ENSG00000198074.10	16
## ENSG00000227471.9	3

## ENSG00000172331.12	2716
## ENSG00000122786.20	135832
## ENSG00000286458.1	16
## ENSG00000146856.14	1296
## ENSG00000122783.17	3258
## ENSG00000146859.6	2155
## ENSG00000272941.1	11
## ENSG00000287733.1	21
## ENSG00000105875.15	1376
## ENSG00000080802.21	2635
## ENSG00000155561.15	20356
## ENSG00000243317.8	8203
## ENSG00000164707.16	49
## ENSG00000105887.11	30089
## ENSG00000231244.1	5
## ENSG00000181072.12	33
## ENSG00000223657.2	1
## ENSG00000105894.13	915
## ENSG00000157680.17	111
## ENSG00000279483.2	510
## ENSG00000230383.1	114
## ENSG00000182158.16	8007
## ENSG00000122787.15	88
## ENSG00000122779.18	13975
## ENSG00000157703.16	33
## ENSG00000105929.16	27
## ENSG00000122778.10	8508
## ENSG00000146858.8	546
## ENSG00000105939.14	6141
## ENSG00000105948.13	1433
## ENSG00000271537.1	7
## ENSG00000157741.15	3261
## ENSG00000164898.13	123
## ENSG00000146963.18	3259
## ENSG00000273391.1	48
## ENSG00000188883.5	112
## ENSG00000236279.7	25
## ENSG00000254270.1	9
## ENSG00000064393.16	26391
## ENSG00000059377.19	328
## ENSG00000059378.13	315
## ENSG00000006459.11	1583
## ENSG00000260231.2	137
## ENSG00000157800.18	5731
## ENSG00000146955.11	111
## ENSG00000133606.11	11087
## ENSG00000146966.13	2622
## ENSG00000133597.11	3240
## ENSG00000090266.13	3361
## ENSG00000240889.1	22
## ENSG00000157764.14	2862
## ENSG00000090263.16	4281
## ENSG00000261115.7	1130
## ENSG00000261570.2	4

## ENSG00000006530.18	3410
## ENSG00000244701.1	29
## ENSG00000257093.7	8536
## ENSG00000270157.1	217
## ENSG00000228775.8	104
## ENSG00000214102.7	18
## ENSG00000106028.11	12299
## ENSG00000127364.4	16
## ENSG00000127366.5	25
## ENSG00000257335.8	581
## ENSG00000257743.9	627
## ENSG00000204983.15	1172
## ENSG00000275896.7	1180
## ENSG00000211772.11	77
## ENSG00000106123.12	1915
## ENSG00000165125.22	2846
## ENSG00000127412.7	15
## ENSG00000165131.8	14
## ENSG00000197993.9	1252
## ENSG00000197448.14	4832
## ENSG00000178826.11	326
## ENSG00000106144.20	5427
## ENSG00000239419.3	13
## ENSG00000188037.14	41
## ENSG00000159784.18	1143
## ENSG00000272619.1	10
## ENSG00000232533.3	780
## ENSG00000159840.16	15203
## ENSG00000146904.9	4270
## ENSG00000229153.7	13
## ENSG00000271079.1	17
## ENSG00000223459.6	416
## ENSG00000170379.21	15
## ENSG00000198420.10	8814
## ENSG00000288784.1	76
## ENSG00000213214.6	780
## ENSG00000244198.7	292
## ENSG00000212807.3	7
## ENSG00000290816.1	29
## ENSG00000243896.4	60
## ENSG00000289604.1	8
## ENSG00000204959.4	1115
## ENSG00000290818.1	37
## ENSG00000244479.7	123
## ENSG00000221970.4	11
## ENSG00000050327.15	2082
## ENSG00000196511.15	398
## ENSG00000243746.1	45
## ENSG00000225918.1	11
## ENSG00000174469.23	5148
## ENSG00000273314.1	229
## ENSG00000055130.18	8851
## ENSG00000106462.12	4527
## ENSG00000281189.1	69

## ENSG00000155660.11	65634
## ENSG00000197362.15	1133
## ENSG00000204947.9	499
## ENSG00000197024.9	3105
## ENSG00000239719.1	91
## ENSG00000170265.12	4087
## ENSG00000170260.9	1407
## ENSG00000204946.10	1054
## ENSG00000290600.1	22
## ENSG00000215311.3	5
## ENSG00000196453.8	3313
## ENSG00000181220.18	2667
## ENSG00000291118.1	254
## ENSG00000133619.18	1053
## ENSG00000181444.13	517
## ENSG00000197558.14	22
## ENSG00000106479.11	645
## ENSG00000280149.1	30
## ENSG00000273419.1	16
## ENSG00000204934.10	186
## ENSG00000171130.19	4239
## ENSG00000293476.1	12
## ENSG00000127399.15	31
## ENSG00000261305.2	12
## ENSG00000106538.10	4219
## ENSG00000240449.1	233
## ENSG00000214022.12	15406
## ENSG00000196456.13	571
## ENSG00000284691.1	331
## ENSG00000106565.19	1239
## ENSG00000002933.9	1288
## ENSG00000002726.21	685
## ENSG00000289052.1	42
## ENSG000000055118.17	1291
## ENSG00000164867.11	271
## ENSG00000181652.20	89
## ENSG00000197150.13	2355
## ENSG00000213199.8	34
## ENSG00000164885.13	2882
## ENSG00000164889.15	9542
## ENSG00000244151.1	10
## ENSG00000164896.21	2556
## ENSG00000164897.14	1705
## ENSG00000133612.20	4845
## ENSG00000164900.5	23
## ENSG00000033050.9	3122
## ENSG00000033100.17	4984
## ENSG00000082014.17	507
## ENSG00000013374.17	5496
## ENSG00000187260.16	1042
## ENSG00000243836.7	202
## ENSG00000127377.10	11
## ENSG00000106615.10	7593
## ENSG00000106617.16	1928

## ENSG00000239911.4	69
## ENSG00000178234.13	3386
## ENSG00000055609.21	5080
## ENSG00000270405.1	14
## ENSG00000204894.4	18
## ENSG00000261455.1	197
## ENSG00000225416.1	12
## ENSG00000196584.4	1442
## ENSG00000133627.18	2485
## ENSG00000234722.5	6
## ENSG00000130226.18	2206
## ENSG00000214106.9	223
## ENSG00000157212.20	2130
## ENSG00000273344.2	324
## ENSG00000273117.1	127
## ENSG00000186480.13	3258
## ENSG00000164778.4	11
## ENSG00000283128.3	6
## ENSG00000216895.9	134
## ENSG00000184863.11	4789
## ENSG00000164690.8	8399
## ENSG00000182648.15	421
## ENSG00000234450.1	4
## ENSG00000105982.17	175
## ENSG00000224903.2	41
## ENSG00000105983.23	10324
## ENSG00000146909.8	3433
## ENSG00000130675.15	1056
## ENSG00000235029.1	29
## ENSG00000243479.3	179
## ENSG00000009335.19	8503
## ENSG00000225224.1	20
## ENSG00000224629.1	2
## ENSG00000105993.15	12417
## ENSG00000155093.20	1109
## ENSG00000233038.7	13
## ENSG00000146918.20	4449
## ENSG00000117868.18	5965
## ENSG00000126870.16	1754
## ENSG00000286407.1	5
## ENSG00000255464.1	4
## ENSG00000292979.1	72
## ENSG00000172748.14	319
## ENSG00000272812.1	33
## ENSG00000272240.1	39
## ENSG00000273402.1	6
## ENSG00000288985.2	73
## ENSG00000182366.11	14
## ENSG00000147364.17	4861
## ENSG00000272293.1	70
## ENSG00000279852.1	16
## ENSG00000180190.13	4172
## ENSG00000104714.14	1760
## ENSG00000198010.13	29

## ENSG00000182372.10	2327
## ENSG00000282021.1	1
## ENSG00000253982.3	510
## ENSG00000104728.16	51
## ENSG00000253764.4	17
## ENSG00000253696.2	17
## ENSG00000176595.4	3572
## ENSG00000270988.1	10
## ENSG00000036448.10	87
## ENSG00000254319.6	0
## ENSG00000254244.1	37
## ENSG00000246089.5	788
## ENSG00000147316.15	3273
## ENSG00000091879.14	460
## ENSG00000271743.1	13
## ENSG00000249898.10	124
## ENSG00000155189.12	7108
## ENSG00000275591.5	163
## ENSG00000245857.4	27
## ENSG00000164825.4	13
## ENSG00000290357.1	21
## ENSG00000215374.6	12
## ENSG00000254543.1	5
## ENSG00000225725.4	26
## ENSG00000284606.1	30
## ENSG00000253893.2	46
## ENSG00000291049.1	122
## ENSG00000291048.1	40
## ENSG00000275342.6	5681
## ENSG00000254153.2	28
## ENSG00000253958.2	614
## ENSG00000147324.11	11736
## ENSG00000293372.1	11
## ENSG00000104626.15	3375
## ENSG00000173281.5	3152
## ENSG00000248538.10	34
## ENSG00000173273.17	9338
## ENSG00000253230.11	7
## ENSG00000286622.1	9
## ENSG00000175806.15	446
## ENSG00000272505.1	5
## ENSG00000183638.6	14
## ENSG00000171056.8	31
## ENSG00000248896.3	25
## ENSG00000254093.9	1297
## ENSG00000280294.1	71
## ENSG00000171044.11	309
## ENSG00000269918.1	219
## ENSG00000255310.2	518
## ENSG00000270076.1	18
## ENSG00000280273.2	32
## ENSG00000104643.10	3032
## ENSG00000246477.3	19
## ENSG00000255020.1	17

## ENSG00000154319.16	1141
## ENSG00000136573.16	6
## ENSG00000269954.2	4
## ENSG00000286985.2	23
## ENSG00000136574.19	17275
## ENSG00000154328.16	972
## ENSG00000227203.3	8
## ENSG00000079459.14	34658
## ENSG00000255046.1	9
## ENSG00000164733.23	33571
## ENSG00000255052.5	107
## ENSG00000205879.5	8
## ENSG00000249889.1	8
## ENSG00000186523.15	603
## ENSG00000227888.4	44
## ENSG00000251402.3	25
## ENSG00000145002.13	250
## ENSG00000283674.4	96
## ENSG00000242607.1	22
## ENSG00000255122.1	14
## ENSG00000154359.13	2554
## ENSG00000250305.9	479
## ENSG00000251468.2	5
## ENSG00000164741.15	3677
## ENSG00000164743.5	151
## ENSG00000214366.4	3
## ENSG00000104723.21	11037
## ENSG00000250483.1	7
## ENSG00000038945.15	23
## ENSG00000078579.9	9
## ENSG00000155970.12	197
## ENSG00000104219.13	2732
## ENSG00000198791.12	17876
## ENSG00000155975.10	3216
## ENSG00000003987.14	668
## ENSG00000003989.18	24257
## ENSG00000104213.13	418
## ENSG00000129422.15	17921
## ENSG00000253944.1	1
## ENSG00000253671.3	89
## ENSG00000104760.17	14
## ENSG00000078674.20	21096
## ENSG00000104763.20	12465
## ENSG00000245281.9	41
## ENSG00000171428.15	1107
## ENSG00000156006.5	80
## ENSG00000156011.19	5876
## ENSG00000104611.12	1882
## ENSG00000147408.16	2462
## ENSG00000104613.12	4925
## ENSG00000175445.17	102
## ENSG00000036565.15	882
## ENSG00000147416.11	9478
## ENSG00000061337.16	851

## ENSG00000168546.11	69
## ENSG00000130227.17	18536
## ENSG00000158806.14	392
## ENSG00000158856.19	1235
## ENSG00000158863.22	2476
## ENSG00000275074.2	726
## ENSG00000168453.16	167
## ENSG00000168476.12	3571
## ENSG00000168481.9	92
## ENSG00000168487.20	6507
## ENSG00000168490.14	95
## ENSG00000168495.13	5064
## ENSG00000254064.1	28
## ENSG00000197181.12	30
## ENSG00000104635.15	25422
## ENSG00000120910.15	777
## ENSG00000251034.2	56
## ENSG00000120896.14	4436
## ENSG00000120913.24	335
## ENSG00000241852.11	473
## ENSG00000158941.17	14811
## ENSG00000253200.1	66
## ENSG00000147439.14	1706
## ENSG00000179388.9	219
## ENSG00000245025.3	82
## ENSG00000008853.18	1472
## ENSG00000120889.13	28366
## ENSG00000246130.1	12
## ENSG00000253616.5	4
## ENSG00000284948.1	19
## ENSG00000173535.15	1883
## ENSG00000173530.6	7360
## ENSG00000253930.1	110
## ENSG00000104689.10	1106
## ENSG00000246582.3	104
## ENSG00000147457.14	4595
## ENSG00000289584.1	10
## ENSG00000104679.12	2741
## ENSG00000134013.16	2061
## ENSG00000253837.1	9
## ENSG00000197217.13	8067
## ENSG00000253390.1	37
## ENSG00000253483.1	19
## ENSG00000287166.1	27
## ENSG00000147454.14	11893
## ENSG00000167034.10	471
## ENSG00000159167.12	3383
## ENSG00000042980.14	35
## ENSG00000272163.2	164
## ENSG00000104722.14	17690
## ENSG00000277586.4	7893
## ENSG00000272157.2	16
## ENSG00000147459.18	2082
## ENSG00000147437.10	13

## ENSG00000253476.1	8
## ENSG00000104756.17	2660
## ENSG00000184661.14	3282
## ENSG00000289357.1	155
## ENSG00000221818.9	28
## ENSG00000221914.11	10216
## ENSG00000293314.1	56
## ENSG00000104765.16	7737
## ENSG00000240694.9	1715
## ENSG00000092964.18	15843
## ENSG00000253899.1	3
## ENSG00000015592.17	314
## ENSG00000104228.13	2675
## ENSG00000120899.18	809
## ENSG00000120903.13	32
## ENSG00000120915.14	4629
## ENSG00000120885.22	29735
## ENSG00000168077.14	3768
## ENSG00000147419.19	7899
## ENSG00000171320.15	2164
## ENSG00000168078.10	2817
## ENSG00000189233.12	13
## ENSG00000134014.18	4710
## ENSG00000239198.1	11
## ENSG00000168081.9	30
## ENSG00000186918.14	3545
## ENSG00000214050.8	686
## ENSG00000104290.11	6479
## ENSG00000012232.10	12124
## ENSG00000246339.6	10
## ENSG00000104299.15	3264
## ENSG00000254034.2	3
## ENSG00000147421.18	986
## ENSG00000259366.3	154
## ENSG00000197892.13	5235
## ENSG00000288735.2	30
## ENSG00000120875.9	16455
## ENSG00000285601.1	26
## ENSG00000260253.1	5
## ENSG00000251191.8	28
## ENSG00000248964.7	5
## ENSG00000133872.14	18673
## ENSG00000272256.1	8
## ENSG00000289334.1	14
## ENSG00000104660.19	7132
## ENSG00000241511.1	5
## ENSG00000177669.4	142
## ENSG00000271869.2	64
## ENSG00000104671.8	1715
## ENSG00000285669.1	57
## ENSG00000272375.1	12
## ENSG00000248159.1	10
## ENSG00000293293.1	30
## ENSG00000254109.6	43

## ENSG00000157110.16	6892
## ENSG00000279041.1	169
## ENSG00000197265.9	4863
## ENSG00000104687.14	8432
## ENSG00000104691.16	1141
## ENSG00000104695.13	8692
## ENSG00000133863.9	205
## ENSG00000172733.12	322
## ENSG00000165392.11	3586
## ENSG00000157168.22	3295
## ENSG00000247134.8	1676
## ENSG00000272338.2	90
## ENSG00000172728.16	2678
## ENSG00000129696.13	1781
## ENSG00000198042.11	3437
## ENSG00000133874.2	2555
## ENSG00000133878.9	234
## ENSG00000188512.6	23
## ENSG00000243181.2	111
## ENSG00000156687.11	272
## ENSG00000232024.2	161
## ENSG00000253123.4	12
## ENSG00000253746.1	5
## ENSG00000253161.7	17
## ENSG00000253414.4	16
## ENSG00000254290.3	92
## ENSG00000183779.7	9296
## ENSG00000147475.17	10248
## ENSG00000233170.4	46
## ENSG00000147471.12	6883
## ENSG00000020181.18	402
## ENSG00000104221.13	738
## ENSG00000156675.16	19290
## ENSG00000187840.5	7065
## ENSG00000260949.1	16
## ENSG00000286677.1	16
## ENSG00000129691.16	7789
## ENSG00000147465.12	1455
## ENSG00000175324.10	1667
## ENSG00000156735.11	4893
## ENSG00000285632.1	10
## ENSG00000085788.14	6386
## ENSG00000147535.17	1891
## ENSG00000147548.17	9551
## ENSG00000272092.1	49
## ENSG00000165046.13	181
## ENSG00000077782.23	14524
## ENSG00000293142.1	10
## ENSG00000253361.3	6
## ENSG00000253570.1	278
## ENSG00000147526.20	18966
## ENSG00000169499.15	439
## ENSG00000169495.5	18
## ENSG00000169490.17	5295

## ENSG00000168615.13	25800
## ENSG00000197140.15	18
## ENSG00000243095.1	3
## ENSG00000176907.5	491
## ENSG00000165061.15	51
## ENSG00000104332.12	7997
## ENSG00000147533.19	2002
## ENSG00000253133.2	6
## ENSG00000147536.12	2620
## ENSG00000253174.2	17
## ENSG00000287535.1	5
## ENSG00000158669.11	10791
## ENSG00000165066.13	59
## ENSG00000029534.22	910
## ENSG00000260588.1	89
## ENSG00000083168.11	8129
## ENSG00000070718.13	2597
## ENSG00000104368.19	398
## ENSG00000104365.16	2315
## ENSG00000070501.12	4050
## ENSG00000240395.1	26
## ENSG00000078668.14	15607
## ENSG00000168575.10	10427
## ENSG00000254165.1	7
## ENSG00000176209.12	1434
## ENSG00000147432.7	5
## ENSG00000255101.1	5
## ENSG00000131931.8	877
## ENSG00000120925.16	2902
## ENSG00000168172.9	7466
## ENSG00000168522.13	4775
## ENSG00000185900.11	4599
## ENSG00000165102.15	7370
## ENSG00000215179.5	5
## ENSG00000188873.4	38
## ENSG00000255366.1	12
## ENSG00000164808.17	4312
## ENSG00000253330.1	15
## ENSG00000221869.5	935
## ENSG00000253729.9	45102
## ENSG00000104738.19	15861
## ENSG00000169139.12	7557
## ENSG00000224594.2	5
## ENSG00000034239.11	151
## ENSG00000019549.13	100
## ENSG00000253474.2	7
## ENSG00000147481.17	8
## ENSG00000147485.13	14
## ENSG00000168300.14	2578
## ENSG00000228801.8	774
## ENSG00000272024.1	29
## ENSG00000253844.2	7
## ENSG00000147488.13	431
## ENSG00000196711.9	71

## ENSG00000023287.13	10988
## ENSG00000028818.1	64
## ENSG000000271555.1	8
## ENSG000000288611.1	282
## ENSG000000082556.14	1037
## ENSG000000253369.4	2
## ENSG000000047249.18	5921
## ENSG000000147509.14	251
## ENSG000000187735.16	17758
## ENSG000000253667.2	8
## ENSG000000120992.18	13748
## ENSG000000137547.9	5695
## ENSG000000164736.6	206
## ENSG000000104237.11	5
## ENSG000000226098.4	6
## ENSG000000206579.10	154
## ENSG000000167904.16	2891
## ENSG000000137574.11	5317
## ENSG000000254087.8	2690
## ENSG000000236814.1	57
## ENSG000000008988.11	72644
## ENSG000000248578.1	21
## ENSG000000181690.8	994
## ENSG000000170791.18	3872
## ENSG000000272343.1	44
## ENSG000000170786.13	18
## ENSG000000181195.11	1006
## ENSG000000254254.7	43
## ENSG000000253541.1	9
## ENSG000000104331.9	17890
## ENSG000000169122.12	1750
## ENSG000000215114.10	5093
## ENSG000000137575.12	19827
## ENSG000000035681.9	3008
## ENSG000000242970.2	4
## ENSG000000198846.6	695
## ENSG000000167912.8	216
## ENSG000000178538.10	518
## ENSG000000251396.9	63
## ENSG000000104388.15	12041
## ENSG000000171316.14	16691
## ENSG000000255397.1	17
## ENSG000000177182.11	91
## ENSG000000213881.3	98
## ENSG000000198363.18	58771
## ENSG000000254285.3	3747
## ENSG000000222898.1	18
## ENSG000000285971.1	9
## ENSG000000185942.13	2318
## ENSG000000253431.1	10
## ENSG000000137563.13	6227
## ENSG000000137561.5	71
## ENSG000000270673.2	41
## ENSG000000185728.17	13199

## ENSG00000261542.1	35
## ENSG00000253554.7	7
## ENSG00000254377.8	12
## ENSG00000180828.3	51
## ENSG00000172817.4	729
## ENSG00000272010.1	10
## ENSG00000200714.1	2
## ENSG00000104442.10	5714
## ENSG00000066855.16	4910
## ENSG00000205268.11	5397
## ENSG00000272192.2	45
## ENSG00000147570.10	30
## ENSG00000147573.17	11
## ENSG00000147571.5	31
## ENSG00000179041.4	3744
## ENSG00000147576.17	24
## ENSG00000185697.17	177
## ENSG00000175073.8	2579
## ENSG00000288596.2	180
## ENSG00000104205.16	139
## ENSG00000178460.18	34
## ENSG00000245910.9	2933
## ENSG00000261787.2	18
## ENSG00000178125.15	14
## ENSG00000253223.1	1
## ENSG00000121022.14	4640
## ENSG00000104218.16	1885
## ENSG00000066777.9	6384
## ENSG00000271966.1	21
## ENSG00000046889.19	770
## ENSG00000248801.7	169
## ENSG00000165084.16	305
## ENSG00000254332.1	351
## ENSG00000137573.14	116
## ENSG00000137571.11	2216
## ENSG00000246528.4	89
## ENSG00000277740.1	6
## ENSG00000253721.1	6
## ENSG00000147596.4	42
## ENSG00000253173.3	8
## ENSG00000140396.13	4800
## ENSG00000288966.1	6
## ENSG00000067167.8	16488
## ENSG00000246366.7	6
## ENSG00000147592.9	594
## ENSG00000221947.8	22
## ENSG00000104313.20	20
## ENSG00000178860.9	16
## ENSG00000104321.11	92
## ENSG00000250979.1	13
## ENSG00000182674.6	424
## ENSG00000260838.3	230
## ENSG00000147601.15	8008
## ENSG00000253636.1	79

## ENSG00000164764.11	926
## ENSG00000274443.5	6
## ENSG00000147604.14	165410
## ENSG00000121039.10	2035
## ENSG00000253302.1	5
## ENSG00000040341.18	5580
## ENSG00000104343.21	2821
## ENSG00000154582.18	5783
## ENSG00000175606.11	1949
## ENSG00000253833.1	7
## ENSG00000104369.5	447
## ENSG00000104381.14	2212
## ENSG00000253341.1	118
## ENSG00000253706.5	40
## ENSG00000254043.1	8
## ENSG00000121005.9	3243
## ENSG00000249395.4	139
## ENSG00000164749.13	2356
## ENSG00000287352.1	27
## ENSG00000091656.19	211
## ENSG00000164751.15	2560
## ENSG00000288756.2	15
## ENSG00000171033.13	4157
## ENSG00000260398.1	39
## ENSG00000286675.1	10
## ENSG00000104427.13	1335
## ENSG00000104432.15	8
## ENSG00000254352.1	6
## ENSG00000253919.1	20
## ENSG00000240540.2	21
## ENSG00000104435.14	22173
## ENSG00000164683.19	143
## ENSG00000272138.3	14
## ENSG00000147586.10	1039
## ENSG00000276418.5	11
## ENSG00000272518.1	33
## ENSG00000272264.1	22
## ENSG00000076554.16	11421
## ENSG00000241746.1	6
## ENSG00000251867.4	31
## ENSG00000205189.13	11931
## ENSG00000254162.1	79
## ENSG00000260317.1	109
## ENSG00000188856.6	88
## ENSG00000164684.13	2804
## ENSG00000254331.1	16
## ENSG00000076641.4	389
## ENSG00000272425.1	13
## ENSG00000254027.1	21
## ENSG00000164687.11	7045
## ENSG00000237264.4	42
## ENSG00000251521.3	17
## ENSG00000133731.10	2452
## ENSG00000253598.3	35

## ENSG00000280193.1	66
## ENSG00000104231.11	2629
## ENSG00000164695.5	1054
## ENSG00000104497.15	804
## ENSG00000254689.3	6
## ENSG00000206228.4	72
## ENSG00000253503.6	15
## ENSG00000254202.2	25
## ENSG00000184672.12	86
## ENSG00000133739.16	2070
## ENSG00000133740.11	5910
## ENSG00000254208.1	5
## ENSG00000176731.12	1841
## ENSG00000185015.8	635
## ENSG00000164879.7	79
## ENSG00000253549.6	138
## ENSG00000104267.10	8600
## ENSG00000253154.4	6
## ENSG00000147614.4	26
## ENSG00000254231.3	17
## ENSG00000123124.14	4713
## ENSG00000176623.12	2681
## ENSG00000250569.1	6
## ENSG00000085719.13	13397
## ENSG00000156103.16	4372
## ENSG00000253553.9	100
## ENSG00000286984.1	11
## ENSG00000251136.11	577
## ENSG00000104312.8	2782
## ENSG00000164823.11	1838
## ENSG00000104320.15	4996
## ENSG00000104325.7	10529
## ENSG00000104327.7	3904
## ENSG00000254180.2	12
## ENSG00000253394.7	15
## ENSG00000180694.14	5446
## ENSG00000246792.3	40
## ENSG00000123119.12	248
## ENSG00000253250.3	33
## ENSG00000155099.8	686
## ENSG00000253738.3	1716
## ENSG00000155100.11	1595
## ENSG00000214954.9	43
## ENSG00000147606.9	26
## ENSG00000079102.18	384
## ENSG00000248858.7	5
## ENSG00000205133.12	2365
## ENSG00000246662.6	32
## ENSG00000188343.14	3187
## ENSG00000271971.1	36
## ENSG00000253854.1	74
## ENSG00000183808.12	2820
## ENSG00000279331.1	43
## ENSG00000164953.17	1324

## ENSG00000164951.16	2245
## ENSG00000240509.1	36
## ENSG00000079112.10	10035
## ENSG00000164949.8	503
## ENSG00000197275.14	642
## ENSG00000265817.4	866
## ENSG00000164944.12	9866
## ENSG00000253704.4	36
## ENSG00000261437.1	54
## ENSG00000104413.18	14072
## ENSG00000156162.16	3960
## ENSG00000164941.14	7347
## ENSG00000175305.18	266
## ENSG00000272509.1	8
## ENSG00000156170.14	984
## ENSG00000164938.14	9657
## ENSG00000175895.5	937
## ENSG00000253773.6	9
## ENSG00000156172.6	310
## ENSG00000253945.1	7
## ENSG00000156466.11	179
## ENSG00000156467.10	15309
## ENSG00000254224.2	3
## ENSG00000156469.9	2183
## ENSG00000156471.13	10958
## ENSG00000169439.12	8031
## ENSG00000104324.16	667
## ENSG00000180543.5	4734
## ENSG00000213750.4	1
## ENSG00000147649.10	13370
## ENSG00000202399.1	6
## ENSG00000104341.17	55809
## ENSG00000243504.1	4
## ENSG00000132561.14	5870
## ENSG00000156482.11	50613
## ENSG00000245970.2	60
## ENSG00000288752.2	58
## ENSG00000177459.11	1223
## ENSG00000132541.11	2698
## ENSG00000104356.11	3531
## ENSG00000104361.10	969
## ENSG00000104375.17	3283
## ENSG00000156486.8	5
## ENSG00000271930.1	1
## ENSG00000164920.10	252
## ENSG00000253948.4	42
## ENSG00000132549.20	3218
## ENSG00000164919.11	7685
## ENSG00000132554.21	14
## ENSG00000156509.14	44
## ENSG00000147669.11	4104
## ENSG00000104450.13	1494
## ENSG00000034677.13	7503
## ENSG00000186106.11	5488

## ENSG00000174226.9	76
## ENSG00000070756.17	364104
## ENSG00000260368.1	16
## ENSG00000164924.18	134466
## ENSG00000253395.1	7
## ENSG00000261087.1	117
## ENSG00000120963.12	4318
## ENSG00000271882.1	19
## ENSG00000289048.2	62
## ENSG00000083307.12	3567
## ENSG00000104490.18	259
## ENSG00000048392.13	7659
## ENSG00000246263.4	50
## ENSG00000104517.13	8913
## ENSG00000272037.1	3
## ENSG00000155090.15	3662
## ENSG00000283959.2	7
## ENSG00000253669.4	83
## ENSG00000155096.15	24994
## ENSG00000253320.7	205
## ENSG00000244052.1	12
## ENSG00000155097.12	5651
## ENSG00000236939.4	27
## ENSG00000164929.17	2554
## ENSG00000247081.8	422
## ENSG00000164930.12	2047
## ENSG00000286337.1	8
## ENSG00000164932.13	657
## ENSG00000164933.13	54
## ENSG00000164934.15	7994
## ENSG00000288945.1	29
## ENSG00000271830.1	13
## ENSG00000253477.5	27
## ENSG00000176406.25	1018
## ENSG00000239344.1	2
## ENSG00000147647.13	9
## ENSG00000279138.1	18
## ENSG00000147650.12	3748
## ENSG00000169946.14	828
## ENSG00000164830.19	2980
## ENSG00000253582.1	5
## ENSG00000253676.1	38
## ENSG00000154188.10	82
## ENSG00000147655.12	36
## ENSG00000104408.11	60783
## ENSG00000289094.1	99
## ENSG00000104412.8	2940
## ENSG00000164841.5	103
## ENSG00000174417.3	5
## ENSG00000120526.12	4583
## ENSG00000120533.13	7164
## ENSG00000205038.12	18
## ENSG00000254185.1	6
## ENSG00000147654.16	1747

## ENSG00000147642.17	504
## ENSG00000164794.9	35
## ENSG00000164796.18	2797
## ENSG00000286937.1	4
## ENSG00000104447.13	934
## ENSG00000147677.12	30335
## ENSG00000147679.12	1680
## ENSG00000164754.16	29048
## ENSG00000253327.2	7
## ENSG00000205002.4	320
## ENSG00000164756.13	3114
## ENSG00000164758.7	848
## ENSG00000182197.13	20651
## ENSG00000177570.15	1451
## ENSG00000281641.3	48
## ENSG00000164761.9	109
## ENSG00000184374.3	65
## ENSG00000147676.14	17976
## ENSG00000136999.5	217
## ENSG00000136960.13	6428
## ENSG00000064313.13	4135
## ENSG00000136982.6	1705
## ENSG00000279347.1	5
## ENSG00000155792.10	820
## ENSG00000254343.2	117
## ENSG00000187955.13	5596
## ENSG00000172172.8	4805
## ENSG00000172167.8	781
## ENSG00000172164.15	1686
## ENSG00000272502.1	72
## ENSG00000170961.7	150
## ENSG00000248690.8	1
## ENSG00000272384.2	17
## ENSG00000178764.8	3158
## ENSG00000136986.10	6573
## ENSG00000156787.17	1434
## ENSG00000189376.12	655
## ENSG00000259305.6	17
## ENSG00000165156.15	5467
## ENSG00000156802.13	8207
## ENSG00000156795.8	2363
## ENSG00000156804.7	569
## ENSG00000104537.17	2943
## ENSG00000176853.16	7271
## ENSG00000214814.7	444
## ENSG00000253227.2	63
## ENSG00000164983.9	5870
## ENSG00000183665.5	1316
## ENSG00000245149.6	68
## ENSG00000170881.5	3941
## ENSG00000147687.19	2213
## ENSG00000253106.1	129
## ENSG00000147684.10	9017
## ENSG00000170873.19	1815

## ENSG00000180938.6	308
## ENSG00000104549.12	13793
## ENSG00000164961.16	5178
## ENSG00000156831.8	2107
## ENSG00000173334.4	4255
## ENSG00000168672.4	11280
## ENSG00000253438.5	83
## ENSG00000254166.4	654
## ENSG00000282961.1	5
## ENSG00000246228.7	22
## ENSG00000212993.6	21
## ENSG00000249375.8	9
## ENSG00000136997.22	10225
## ENSG00000249859.14	419
## ENSG00000153310.22	8546
## ENSG00000153317.15	10157
## ENSG00000286535.1	11
## ENSG00000155897.10	2237
## ENSG00000253992.1	13
## ENSG00000132294.15	5920
## ENSG00000184156.18	50
## ENSG00000129295.10	483
## ENSG00000129292.21	3252
## ENSG00000042832.12	51
## ENSG00000155926.14	20
## ENSG00000104415.14	178
## ENSG00000104419.17	6525
## ENSG00000225259.4	40
## ENSG00000008513.17	3479
## ENSG00000261220.3	28
## ENSG00000066827.16	995
## ENSG00000289405.2	164
## ENSG00000279518.1	14
## ENSG00000131773.15	784
## ENSG00000253915.1	7
## ENSG00000147724.12	453
## ENSG00000169436.18	384
## ENSG00000169427.8	37
## ENSG00000167632.18	3989
## ENSG00000282164.4	8
## ENSG00000259891.1	50
## ENSG00000104472.10	2253
## ENSG00000123908.12	7245
## ENSG00000279766.1	10
## ENSG00000280303.2	485
## ENSG00000169398.20	18387
## ENSG00000105339.11	1513
## ENSG00000253210.4	113
## ENSG00000022567.10	4104
## ENSG00000261655.1	137
## ENSG00000204882.4	84
## ENSG00000184489.13	2966
## ENSG00000253605.1	24
## ENSG00000171045.16	567

## ENSG00000261693.1	20
## ENSG00000181790.13	91
## ENSG00000198576.4	92
## ENSG00000234616.9	2629
## ENSG00000167653.5	54
## ENSG00000253741.4	12
## ENSG00000130193.8	3032
## ENSG00000197353.4	18
## ENSG00000284505.1	7
## ENSG00000180155.20	1712
## ENSG00000247317.5	148
## ENSG00000160932.11	26884
## ENSG00000177335.13	130
## ENSG00000291309.1	16
## ENSG00000176956.13	130
## ENSG00000181638.20	1005
## ENSG00000250571.7	301
## ENSG00000253716.8	145
## ENSG00000185730.8	1065
## ENSG00000272172.1	21
## ENSG00000184428.13	3250
## ENSG00000254389.3	190
## ENSG00000158106.14	593
## ENSG00000253931.1	2
## ENSG00000182759.4	39
## ENSG00000014164.7	2460
## ENSG00000287576.1	40
## ENSG00000254859.1	6
## ENSG00000104518.11	461
## ENSG00000289161.2	111
## ENSG00000204839.9	123
## ENSG00000147813.16	723
## ENSG00000279605.1	23
## ENSG00000104529.19	13427
## ENSG00000179886.6	1183
## ENSG00000104524.14	1689
## ENSG00000104522.16	3853
## ENSG00000254812.3	4
## ENSG00000183309.12	4038
## ENSG00000181135.16	929
## ENSG00000181097.5	50
## ENSG00000181085.15	236
## ENSG00000180921.7	9280
## ENSG00000265660.1	157
## ENSG00000203499.12	606
## ENSG00000254973.2	30
## ENSG00000180900.20	9526
## ENSG00000179950.15	12618
## ENSG00000287222.1	483
## ENSG00000185189.18	625
## ENSG00000261150.3	4943
## ENSG00000288096.1	13
## ENSG00000178209.17	14611
## ENSG00000178685.14	254

## ENSG00000178719.17	14070
## ENSG00000178814.17	1434
## ENSG00000255224.2	103
## ENSG00000178896.9	32
## ENSG00000197858.12	5200
## ENSG00000179091.5	9335
## ENSG00000179526.17	2525
## ENSG00000179632.10	7751
## ENSG00000179698.14	4
## ENSG00000235173.7	3035
## ENSG00000227473.1	194
## ENSG00000179832.18	2247
## ENSG00000261236.8	5956
## ENSG00000260428.3	16
## ENSG00000185122.11	6759
## ENSG00000185000.12	3078
## ENSG00000261678.3	41
## ENSG00000185803.12	3692
## ENSG00000261587.3	9
## ENSG00000182325.11	834
## ENSG00000173137.12	507
## ENSG00000071894.17	11021
## ENSG00000272115.1	7
## ENSG00000147804.10	634
## ENSG00000160948.14	4507
## ENSG00000160949.18	3247
## ENSG00000232600.3	5
## ENSG00000187954.14	1051
## ENSG00000291317.1	419
## ENSG00000167702.13	353
## ENSG00000160973.8	104
## ENSG00000160972.10	1195
## ENSG00000255182.2	19
## ENSG00000167701.14	28
## ENSG00000167700.9	2619
## ENSG00000160957.15	2033
## ENSG00000160959.8	2126
## ENSG00000213563.7	677
## ENSG00000147799.12	2175
## ENSG00000290885.1	22
## ENSG00000255085.9	9
## ENSG00000198169.9	1006
## ENSG00000196378.13	345
## ENSG00000161016.18	161480
## ENSG00000197363.11	1060
## ENSG00000147789.16	1827
## ENSG00000170619.10	1502
## ENSG00000286681.1	42
## ENSG00000196150.14	1619
## ENSG00000170631.15	939
## ENSG00000291080.1	1356
## ENSG00000255559.1	6
## ENSG00000182307.14	7702
## ENSG00000181404.18	217

## ENSG00000170122.6	29
## ENSG00000172785.19	3068
## ENSG00000183784.7	63
## ENSG00000107099.18	1621
## ENSG00000107104.21	4936
## ENSG00000064218.5	54
## ENSG00000173253.16	36
## ENSG00000080503.25	4737
## ENSG00000236404.12	132
## ENSG00000147852.17	3179
## ENSG00000168263.9	3
## ENSG00000080608.10	6172
## ENSG00000289552.2	11
## ENSG00000080298.16	5619
## ENSG00000232104.5	82
## ENSG00000226669.2	5
## ENSG00000107249.24	13460
## ENSG00000106688.12	7099
## ENSG00000106686.18	102
## ENSG00000205808.7	2231
## ENSG00000273061.3	27
## ENSG00000106993.12	1576
## ENSG00000147853.17	13783
## ENSG00000287759.1	19
## ENSG00000120158.12	1509
## ENSG00000220937.3	11
## ENSG00000096968.14	707
## ENSG00000107014.9	78
## ENSG00000107018.8	27
## ENSG00000107020.10	1124
## ENSG00000120217.14	36
## ENSG00000286162.4	31
## ENSG00000107036.12	5609
## ENSG00000099219.15	10352
## ENSG00000183354.12	1856
## ENSG00000120215.10	24
## ENSG00000137040.10	3634
## ENSG00000137033.12	91
## ENSG00000233846.2	9
## ENSG00000147854.17	7210
## ENSG00000178445.10	10165
## ENSG00000236924.3	50
## ENSG00000232946.1	5
## ENSG00000225489.9	57
## ENSG00000256968.1	27
## ENSG00000107077.20	880
## ENSG00000230207.1	168
## ENSG00000273056.1	22
## ENSG00000137038.8	3264
## ENSG00000153707.19	4651
## ENSG00000212695.5	10
## ENSG00000225706.3	86
## ENSG00000107165.13	67
## ENSG00000153714.6	321

## ENSG00000214121.4	6
## ENSG00000107186.17	4700
## ENSG00000234740.1	23
## ENSG00000147862.18	1152
## ENSG00000272871.1	6
## ENSG00000175893.12	1112
## ENSG00000147869.5	13
## ENSG00000164946.20	206
## ENSG00000291185.1	124
## ENSG00000215237.6	12
## ENSG00000234297.2	7
## ENSG00000155158.20	783
## ENSG00000164975.16	5080
## ENSG00000164985.15	14843
## ENSG00000164989.17	249
## ENSG00000173068.19	33
## ENSG00000044459.15	866
## ENSG00000107295.10	155
## ENSG00000178031.18	180
## ENSG00000155875.15	14
## ENSG00000155876.6	5098
## ENSG00000147874.11	7916
## ENSG00000147872.10	11359
## ENSG00000232176.1	10
## ENSG00000137145.21	6240
## ENSG00000272842.1	24
## ENSG00000273226.1	71
## ENSG00000137154.13	224817
## ENSG00000177076.6	896
## ENSG00000260912.1	730
## ENSG00000155886.12	3
## ENSG00000261402.1	6
## ENSG00000171843.17	5486
## ENSG00000188352.13	9452
## ENSG00000227071.1	4
## ENSG00000188921.14	172
## ENSG00000226393.1	4
## ENSG00000198642.7	8179
## ENSG00000171889.7	247
## ENSG00000184995.7	8
## ENSG00000229835.2	10
## ENSG00000099810.21	8930
## ENSG00000229298.1	6
## ENSG00000265194.1	52
## ENSG00000279670.1	5
## ENSG00000147889.18	65
## ENSG00000240498.9	56
## ENSG00000147883.12	3136
## ENSG00000176399.4	913
## ENSG00000234840.2	17
## ENSG00000283982.1	14
## ENSG00000107105.15	1155
## ENSG00000198680.6	996
## ENSG00000120159.13	2966

## ENSG00000137055.15	8378
## ENSG00000096872.17	3744
## ENSG00000184434.8	44
## ENSG00000120156.22	45
## ENSG00000120162.10	3212
## ENSG00000285103.2	30
## ENSG00000147894.17	1398
## ENSG00000174482.11	210
## ENSG00000287038.3	39
## ENSG00000215210.3	58
## ENSG00000232203.3	19
## ENSG00000122729.19	6031
## ENSG00000107201.11	99
## ENSG00000197579.8	3764
## ENSG00000235453.12	233
## ENSG00000165264.11	2788
## ENSG00000232303.2	6
## ENSG00000188133.6	17
## ENSG00000137074.20	4489
## ENSG00000236184.1	9
## ENSG00000086061.16	32984
## ENSG00000122692.9	10542
## ENSG00000086062.13	25883
## ENSG00000233554.6	59
## ENSG00000122711.9	12
## ENSG00000107262.26	6321
## ENSG00000086065.14	6793
## ENSG00000086102.19	4636
## ENSG00000165269.13	73
## ENSG00000165272.16	1695
## ENSG00000165271.17	9899
## ENSG00000226823.1	60
## ENSG00000230453.11	256
## ENSG00000234373.1	36
## ENSG00000226562.5	94
## ENSG00000231991.4	619
## ENSG00000293199.1	3
## ENSG00000281128.2	7
## ENSG00000260947.1	60
## ENSG00000235481.4	23
## ENSG00000010438.17	15
## ENSG00000107341.5	18997
## ENSG00000137073.24	9542
## ENSG00000198876.13	12325
## ENSG00000165006.14	7453
## ENSG00000233668.1	10
## ENSG00000186638.17	1469
## ENSG00000229207.1	6
## ENSG00000164978.18	2405
## ENSG00000164976.9	2097
## ENSG00000164972.14	47
## ENSG00000164970.15	3095
## ENSG00000122735.16	26
## ENSG00000168913.7	119

## ENSG00000122756.15	396
## ENSG00000164967.10	1468
## ENSG00000137100.16	3186
## ENSG00000205143.5	14
## ENSG00000147955.18	9580
## ENSG00000213930.12	55
## ENSG00000258728.2	13
## ENSG00000137070.19	10
## ENSG00000261215.1	23
## ENSG00000187186.15	30
## ENSG00000230074.5	482
## ENSG00000178723.7	11
## ENSG00000215199.3	9
## ENSG00000122733.12	54
## ENSG00000137094.16	5100
## ENSG00000273597.1	6
## ENSG00000165280.18	75177
## ENSG00000221829.11	3575
## ENSG00000165282.15	4517
## ENSG00000165283.16	15051
## ENSG00000005238.20	1315
## ENSG00000198722.15	11284
## ENSG00000290567.1	11
## ENSG00000198853.12	1946
## ENSG00000215187.13	110
## ENSG00000288586.1	44
## ENSG00000107140.17	2766
## ENSG00000137101.14	111
## ENSG00000137078.10	21
## ENSG00000277027.1	199
## ENSG00000159884.12	150
## ENSG00000137135.18	1621
## ENSG00000107159.14	31
## ENSG00000198467.16	11345
## ENSG00000137076.22	42736
## ENSG00000107175.12	5027
## ENSG00000070610.14	8131
## ENSG00000107185.10	6393
## ENSG00000227388.3	37
## ENSG00000159899.16	922
## ENSG00000137098.14	42
## ENSG00000137133.11	228
## ENSG00000137103.20	2112
## ENSG00000213866.3	223
## ENSG00000122707.12	861
## ENSG00000122694.16	1885
## ENSG00000122705.18	14632
## ENSG00000159921.20	1842
## ENSG00000215283.3	18
## ENSG00000137075.18	7494
## ENSG00000165304.8	5504
## ENSG00000281649.3	5049
## ENSG00000147905.18	2490
## ENSG00000137106.18	6430

## ENSG00000168795.5	4030
## ENSG00000137054.16	3520
## ENSG00000234160.1	269
## ENSG00000147912.13	774
## ENSG00000256966.6	7
## ENSG00000175768.13	1822
## ENSG00000233111.1	10
## ENSG00000070601.10	39
## ENSG00000165275.10	627
## ENSG00000107371.14	2785
## ENSG00000289295.1	76
## ENSG00000122741.16	3975
## ENSG00000232454.2	2
## ENSG00000226055.2	19
## ENSG00000122696.14	1272
## ENSG00000213839.4	530
## ENSG00000107338.10	885
## ENSG00000137124.8	11230
## ENSG00000137142.5	2876
## ENSG00000291061.1	21
## ENSG00000237487.1	13
## ENSG00000180071.21	39
## ENSG00000204860.5	24
## ENSG00000106714.18	64
## ENSG00000198416.10	36
## ENSG00000278175.6	112
## ENSG00000291181.2	67
## ENSG00000284116.1	5
## ENSG00000289843.1	39
## ENSG00000291075.1	321
## ENSG00000290923.1	7
## ENSG00000280077.1	48
## ENSG00000279456.1	54
## ENSG00000215126.12	194
## ENSG00000279561.3	73
## ENSG00000288891.2	12
## ENSG00000275160.1	32
## ENSG00000276412.2	8
## ENSG00000154529.15	131
## ENSG00000237357.2	25
## ENSG00000231527.7	89
## ENSG00000284471.1	28
## ENSG00000231995.2	3
## ENSG00000291011.1	11
## ENSG00000226007.3	4
## ENSG00000288838.1	118
## ENSG00000238113.7	46
## ENSG00000287168.3	123
## ENSG00000234665.9	73
## ENSG00000238245.2	13
## ENSG00000227582.3	21
## ENSG00000293082.1	3
## ENSG00000170161.7	75
## ENSG00000290549.1	13

## ENSG00000232815.1	39
## ENSG00000266017.1	9
## ENSG00000289725.1	13
## ENSG00000225883.2	9
## ENSG00000197550.3	6
## ENSG00000204778.4	14
## ENSG00000147996.17	848
## ENSG00000274349.5	364
## ENSG00000276386.1	9
## ENSG00000274026.2	66
## ENSG00000275493.2	19
## ENSG00000260691.8	9
## ENSG00000196873.16	130
## ENSG00000154330.13	41
## ENSG00000107242.20	539
## ENSG00000187866.10	2197
## ENSG00000288771.2	15
## ENSG00000285130.2	32
## ENSG00000165060.15	1970
## ENSG00000119139.21	331
## ENSG00000135063.20	88
## ENSG00000107282.9	168
## ENSG00000188647.13	5217
## ENSG00000204711.9	70
## ENSG00000204706.14	20
## ENSG00000165072.10	234
## ENSG00000268364.3	43
## ENSG00000236801.1	96
## ENSG00000198887.9	6907
## ENSG00000119138.5	4407
## ENSG00000083067.26	35
## ENSG00000135048.14	14514
## ENSG00000107362.14	4094
## ENSG00000155621.15	1252
## ENSG00000224820.2	4
## ENSG00000119125.17	2780
## ENSG00000225434.5	38
## ENSG00000107372.13	18664
## ENSG00000165092.13	18000
## ENSG00000135046.14	4142
## ENSG00000198963.11	16
## ENSG00000119121.22	822
## ENSG00000135045.7	1646
## ENSG00000156017.13	2751
## ENSG00000229587.2	8
## ENSG00000106733.21	656
## ENSG00000134996.12	1037
## ENSG00000099139.14	8978
## ENSG00000135002.12	4210
## ENSG00000234618.1	65
## ENSG00000187210.14	19309
## ENSG00000219149.4	4
## ENSG00000106772.19	515
## ENSG00000197969.14	4099

## ENSG00000156049.7	19
## ENSG00000156052.11	10953
## ENSG00000289440.1	24
## ENSG00000148019.14	5227
## ENSG00000135069.14	25581
## ENSG00000226234.2	12
## ENSG00000106829.21	2207
## ENSG00000196781.16	4315
## ENSG00000233926.2	12
## ENSG00000290551.1	17
## ENSG00000233309.1	8
## ENSG00000165105.10	1717
## ENSG00000286451.1	104
## ENSG00000229109.2	33
## ENSG00000172159.16	76
## ENSG00000237529.2	19
## ENSG00000148057.16	108
## ENSG00000135018.14	20715
## ENSG00000254473.2	112
## ENSG00000165113.13	614
## ENSG00000231616.9	11
## ENSG00000165115.15	984
## ENSG00000165118.15	2631
## ENSG00000165119.22	107529
## ENSG00000235298.1	1
## ENSG00000178966.17	3496
## ENSG00000197506.8	35
## ENSG00000148053.18	4474
## ENSG00000135049.16	4202
## ENSG00000230303.6	14
## ENSG00000290924.1	36
## ENSG00000165121.13	22
## ENSG00000289214.1	20
## ENSG00000135040.16	5901
## ENSG00000135052.16	97530
## ENSG00000187753.13	10
## ENSG00000135070.15	5470
## ENSG00000083223.18	3065
## ENSG00000180447.7	89
## ENSG00000269994.3	186
## ENSG00000231007.5	152
## ENSG00000289166.1	8
## ENSG00000288968.1	10
## ENSG00000196730.13	27362
## ENSG00000219928.2	70
## ENSG00000135047.16	3787
## ENSG00000156345.18	848
## ENSG00000217716.3	45
## ENSG00000287750.3	12
## ENSG00000287769.1	179
## ENSG00000106723.17	13384
## ENSG00000227638.2	10
## ENSG00000130045.17	7
## ENSG00000213694.7	972

## ENSG00000148082.10	171
## ENSG00000224945.1	9
## ENSG00000123975.5	7369
## ENSG00000265112.1	8
## ENSG00000187742.15	5523
## ENSG00000187764.12	3437
## ENSG00000231799.2	12
## ENSG00000130222.11	184
## ENSG00000237372.5	9
## ENSG00000231107.2	6
## ENSG00000165023.7	18
## ENSG00000165025.15	685
## ENSG00000230537.2	10
## ENSG00000273381.1	9
## ENSG00000148090.12	1001
## ENSG00000165030.4	2497
## ENSG00000233081.1	7
## ENSG00000169071.15	5024
## ENSG00000090054.16	9655
## ENSG00000290644.1	28
## ENSG00000196305.19	49202
## ENSG00000198000.12	3747
## ENSG00000188312.15	410
## ENSG00000106819.13	4
## ENSG00000106823.13	19
## ENSG00000127080.10	568
## ENSG00000185963.14	8051
## ENSG00000288062.1	3
## ENSG00000291168.1	18
## ENSG00000275318.1	43
## ENSG00000127081.14	952
## ENSG00000127084.19	658
## ENSG00000157303.11	117
## ENSG00000165233.18	688
## ENSG00000131669.10	5018
## ENSG00000203364.2	1
## ENSG00000165238.17	6293
## ENSG00000188938.17	4816
## ENSG00000048828.18	9280
## ENSG00000289031.1	5
## ENSG00000197724.12	3645
## ENSG00000131668.14	55
## ENSG00000158079.16	413
## ENSG00000227666.1	6
## ENSG00000269929.6	75
## ENSG00000230262.9	5
## ENSG00000175787.17	253
## ENSG00000232063.2	7
## ENSG00000282886.1	42
## ENSG00000148110.17	4958
## ENSG00000231806.4	1159
## ENSG00000130957.5	38
## ENSG00000165140.12	45
## ENSG00000148120.19	2306

## ENSG00000158169.14	2038
## ENSG00000271384.1	6
## ENSG00000185920.19	4165
## ENSG00000271155.1	27
## ENSG00000271659.1	12
## ENSG00000175611.14	277
## ENSG00000268926.3	11
## ENSG00000182150.19	2767
## ENSG00000224546.2	278
## ENSG00000130958.13	1859
## ENSG00000165244.7	728
## ENSG00000238251.2	15
## ENSG00000286835.1	16
## ENSG00000130956.14	2561
## ENSG00000081377.17	4459
## ENSG00000158122.12	932
## ENSG00000224848.4	67
## ENSG00000233820.3	7
## ENSG00000081386.13	2493
## ENSG00000196597.13	359
## ENSG00000290770.1	2538
## ENSG00000188152.13	47
## ENSG00000136943.12	1106
## ENSG00000228038.1	14
## ENSG00000213612.3	30
## ENSG00000277103.1	31
## ENSG00000159712.10	59
## ENSG00000242375.1	38
## ENSG00000188801.9	7
## ENSG00000203279.6	115
## ENSG00000235494.2	3
## ENSG00000254876.5	19
## ENSG00000197816.16	18
## ENSG00000286375.1	31
## ENSG00000196116.8	3345
## ENSG00000136842.14	2503
## ENSG00000136925.15	1980
## ENSG00000136937.13	10976
## ENSG00000136936.11	1346
## ENSG00000214417.4	8
## ENSG00000236130.2	10
## ENSG00000178919.9	372
## ENSG00000136932.15	740
## ENSG00000136938.9	30839
## ENSG00000095380.11	3141
## ENSG00000106785.15	1260
## ENSG00000106789.13	3607
## ENSG00000095383.20	484
## ENSG00000136928.7	579
## ENSG00000165138.18	6266
## ENSG00000285706.1	8
## ENSG00000119514.7	1678
## ENSG00000204291.12	59
## ENSG00000106799.14	10685

## ENSG00000227269.1	14
## ENSG00000119523.10	3417
## ENSG00000106803.10	6832
## ENSG00000255815.3	10
## ENSG00000237461.3	13
## ENSG00000255145.3	44
## ENSG00000119508.18	43
## ENSG00000136874.11	5996
## ENSG00000023318.9	11777
## ENSG00000234709.2	6
## ENSG00000119509.13	2224
## ENSG00000239908.3	1
## ENSG00000238172.2	4
## ENSG00000136891.14	7079
## ENSG00000066697.15	2143
## ENSG00000241697.5	290
## ENSG00000170681.7	1073
## ENSG00000200966.1	10
## ENSG00000148123.15	200
## ENSG00000136881.12	27
## ENSG00000136897.8	4217
## ENSG00000136870.11	3439
## ENSG00000136872.21	49
## ENSG00000165152.9	5299
## ENSG00000155827.12	10173
## ENSG00000198785.7	37
## ENSG00000270332.4	10
## ENSG00000136824.19	7250
## ENSG00000136783.10	1554
## ENSG00000165028.12	114
## ENSG00000165029.17	6629
## ENSG00000226334.1	34
## ENSG00000286536.1	46
## ENSG00000070214.17	14489
## ENSG00000106701.13	1251
## ENSG00000229419.1	79
## ENSG00000106692.15	2629
## ENSG00000186051.7	60
## ENSG00000095209.12	2149
## ENSG00000148143.13	5838
## ENSG00000226535.1	75
## ENSG00000119318.13	50431
## ENSG00000136826.15	215
## ENSG00000070061.16	7467
## ENSG00000119328.12	2139
## ENSG00000119326.15	8591
## ENSG00000106771.13	13512
## ENSG00000260230.5	280
## ENSG00000095203.15	1256
## ENSG00000070159.14	1482
## ENSG00000157654.19	6235
## ENSG00000213539.4	15
## ENSG00000228053.1	10
## ENSG00000188959.10	13

## ENSG00000136810.13	15655
## ENSG00000165124.19	187
## ENSG00000198121.15	2992
## ENSG00000136813.15	19039
## ENSG00000173258.13	814
## ENSG00000106853.20	9238
## ENSG00000290837.1	4
## ENSG00000059769.20	1157
## ENSG00000242616.4	185
## ENSG00000165181.17	10
## ENSG00000148154.10	11751
## ENSG00000259953.2	1084
## ENSG00000106868.17	3494
## ENSG00000225513.1	5
## ENSG00000119314.16	16919
## ENSG00000119471.15	5016
## ENSG00000230185.7	51
## ENSG00000165185.15	4196
## ENSG00000250068.1	12
## ENSG00000148153.14	3111
## ENSG00000226609.2	5
## ENSG00000148158.17	2103
## ENSG00000291094.2	4
## ENSG00000228623.9	723
## ENSG00000136866.14	607
## ENSG00000136867.11	43
## ENSG00000119321.10	4026
## ENSG00000136868.11	16430
## ENSG00000176386.9	1776
## ENSG00000136875.13	7355
## ENSG00000165188.14	124
## ENSG00000148225.17	759
## ENSG00000119411.11	748
## ENSG00000119431.10	2926
## ENSG00000148218.16	3177
## ENSG00000148229.13	8871
## ENSG00000157653.12	47
## ENSG00000138835.24	2751
## ENSG00000233817.1	31
## ENSG00000157657.15	8616
## ENSG00000106927.12	18479
## ENSG00000136883.16	881
## ENSG00000196739.15	1809
## ENSG00000228278.5	39
## ENSG00000106948.17	3089
## ENSG00000235119.1	21
## ENSG00000095397.17	181
## ENSG00000136888.8	10219
## ENSG00000157693.15	981
## ENSG00000181634.8	811
## ENSG00000173077.16	32
## ENSG00000041982.17	17700
## ENSG00000182752.10	271
## ENSG00000148219.18	3131

## ENSG00000119401.11	3000
## ENSG00000285820.1	19
## ENSG00000230734.1	7
## ENSG00000136869.16	119
## ENSG00000234782.3	142
## ENSG00000078725.13	636
## ENSG00000136861.19	9077
## ENSG00000106780.9	3609
## ENSG00000119402.18	10850
## ENSG00000214654.9	562
## ENSG00000270917.1	13
## ENSG00000095261.14	6977
## ENSG00000293514.1	2021
## ENSG00000119403.15	1862
## ENSG00000056558.11	81
## ENSG00000106804.10	2071
## ENSG00000119397.19	1846
## ENSG00000119396.12	10925
## ENSG00000243738.3	4
## ENSG00000148180.22	10728
## ENSG00000235865.2	3
## ENSG00000148175.13	8348
## ENSG00000213467.4	20
## ENSG00000136848.19	7685
## ENSG00000175764.17	484
## ENSG00000119421.7	4792
## ENSG00000185681.13	13
## ENSG00000106852.16	10
## ENSG00000119446.14	3038
## ENSG00000148187.18	4152
## ENSG00000095303.17	49
## ENSG00000232387.2	9
## ENSG00000136940.14	2965
## ENSG00000056586.16	9028
## ENSG00000186130.5	2535
## ENSG00000171448.9	1183
## ENSG00000261094.2	77
## ENSG00000286718.2	5
## ENSG00000011454.18	7717
## ENSG00000213216.2	10
## ENSG00000236901.6	1214
## ENSG00000165209.19	8027
## ENSG00000148204.12	7386
## ENSG00000119522.18	3494
## ENSG00000119408.17	4541
## ENSG00000136930.13	13027
## ENSG00000180264.12	7
## ENSG00000136931.10	12
## ENSG00000148200.17	14554
## ENSG00000231744.1	5
## ENSG00000224020.3	13
## ENSG00000236643.1	22
## ENSG00000185585.20	1572
## ENSG00000136918.8	28

## ENSG00000136942.15	51398
## ENSG00000136950.13	4292
## ENSG00000289285.1	5
## ENSG00000136935.14	2054
## ENSG00000173611.18	1057
## ENSG00000119414.12	7933
## ENSG00000232630.1	64
## ENSG00000136933.17	2081
## ENSG00000044574.9	141077
## ENSG00000165219.23	6290
## ENSG00000214593.3	9
## ENSG00000119487.17	8798
## ENSG00000167081.18	2137
## ENSG00000196814.15	3806
## ENSG00000224842.2	69
## ENSG00000136944.19	1702
## ENSG00000169155.10	1572
## ENSG00000177125.6	3035
## ENSG00000136828.19	1437
## ENSG00000136859.10	1846
## ENSG00000228487.2	11
## ENSG00000136895.19	317
## ENSG00000271833.1	19
## ENSG00000136856.18	1970
## ENSG00000196152.10	899
## ENSG00000197958.13	126396
## ENSG00000201302.1	24
## ENSG00000148356.15	2028
## ENSG00000136830.12	7748
## ENSG00000136854.25	2521
## ENSG00000160401.15	178
## ENSG00000160404.18	1043
## ENSG00000095370.20	339
## ENSG00000136807.14	5583
## ENSG00000136877.15	4468
## ENSG00000106991.14	76
## ENSG00000225032.5	8
## ENSG00000106992.19	500
## ENSG00000257524.6	5
## ENSG00000160408.16	8
## ENSG00000136840.19	603
## ENSG00000167103.12	45
## ENSG00000227218.7	28
## ENSG00000136908.18	3817
## ENSG00000167106.12	3557
## ENSG00000171169.9	615
## ENSG00000148339.13	918
## ENSG00000234771.3	294
## ENSG00000148334.16	5795
## ENSG00000232850.3	10
## ENSG00000148346.12	45
## ENSG00000171159.5	5472
## ENSG00000148337.22	9017
## ENSG00000106976.22	727

## ENSG00000167110.19	4361
## ENSG00000175854.15	1644
## ENSG00000167112.10	4256
## ENSG00000272696.1	11
## ENSG00000167113.11	2465
## ENSG00000167114.13	4804
## ENSG00000223551.1	171
## ENSG00000167118.11	5055
## ENSG00000167123.20	983
## ENSG00000273186.1	8
## ENSG00000136811.17	4757
## ENSG00000119392.16	4189
## ENSG00000228395.3	27
## ENSG00000197694.19	40247
## ENSG00000280758.1	13
## ENSG00000119333.12	5302
## ENSG00000119335.18	92487
## ENSG00000160447.7	2117
## ENSG00000160446.19	2689
## ENSG00000223478.2	123
## ENSG00000160445.11	4020
## ENSG00000107021.16	4600
## ENSG00000167136.7	293
## ENSG00000198917.13	13
## ENSG00000171097.14	16
## ENSG00000136802.12	11065
## ENSG00000175287.19	388
## ENSG00000175283.8	3035
## ENSG00000095319.14	11963
## ENSG00000148341.18	3381
## ENSG00000148343.19	838
## ENSG00000167130.18	2787
## ENSG00000095321.18	1715
## ENSG00000119383.21	19403
## ENSG00000188483.8	1877
## ENSG00000224307.4	11
## ENSG00000233901.8	198
## ENSG00000204054.14	1861
## ENSG00000227619.3	14
## ENSG00000148335.15	2615
## ENSG00000179058.8	5
## ENSG00000148331.12	1749
## ENSG00000234789.1	6
## ENSG00000167157.11	60
## ENSG00000148344.11	43
## ENSG00000136816.16	1767
## ENSG00000136827.12	5418
## ENSG00000136819.15	4386
## ENSG00000136878.14	2445
## ENSG00000187239.19	4517
## ENSG00000288924.1	412
## ENSG00000148358.21	14726
## ENSG00000107130.10	11237
## ENSG00000148357.18	69

## ENSG00000130707.18	1580
## ENSG00000107164.17	7660
## ENSG00000130711.5	22
## ENSG00000130713.17	5358
## ENSG00000097007.20	19384
## ENSG00000188710.3	36
## ENSG00000130720.13	35
## ENSG00000050555.19	62
## ENSG00000126878.13	11150
## ENSG00000126883.19	7124
## ENSG00000126882.14	179
## ENSG00000160539.6	231
## ENSG00000288701.1	22912
## ENSG00000235284.1	8
## ENSG00000231587.1	34
## ENSG00000130714.19	2651
## ENSG00000130717.13	3100
## ENSG00000283526.2	232
## ENSG00000107263.19	8238
## ENSG00000160563.14	3151
## ENSG00000196358.12	115
## ENSG00000107290.14	8891
## ENSG00000125482.13	2302
## ENSG00000188523.9	55
## ENSG00000125485.18	2453
## ENSG00000125484.12	13001
## ENSG00000165695.10	173
## ENSG00000165698.16	394
## ENSG00000165699.15	4246
## ENSG00000165702.15	9
## ENSG00000196205.8	8914
## ENSG00000288989.2	3
## ENSG00000148308.18	8711
## ENSG00000170835.17	701
## ENSG00000290769.1	17
## ENSG00000160271.16	768
## ENSG00000148288.13	172
## ENSG00000175164.16	125
## ENSG00000148296.7	4837
## ENSG00000148297.16	5315
## ENSG00000148303.17	240481
## ENSG00000148290.10	3843
## ENSG00000148291.10	1013
## ENSG00000148248.14	34930
## ENSG00000198870.8	59
## ENSG00000148300.12	4800
## ENSG00000160323.19	224
## ENSG00000160325.15	4053
## ENSG00000160326.14	1155
## ENSG00000197859.11	10
## ENSG00000196990.10	16
## ENSG00000123454.12	27
## ENSG00000225756.1	33
## ENSG00000123453.19	539

## ENSG00000160293.17	10739
## ENSG00000235106.10	2640
## ENSG00000169925.17	11922
## ENSG00000235138.1	23
## ENSG00000196363.10	7328
## ENSG00000221676.1	6
## ENSG00000273473.1	6
## ENSG00000186350.12	8824
## ENSG00000130635.17	7530
## ENSG00000130558.20	339
## ENSG00000225361.4	160
## ENSG00000196422.11	4476
## ENSG00000160345.13	1150
## ENSG00000122140.13	6013
## ENSG00000226706.1	15
## ENSG00000148386.10	54
## ENSG00000107147.14	9
## ENSG00000130559.19	7982
## ENSG00000238058.2	61
## ENSG00000130560.9	3448
## ENSG00000148411.8	3621
## ENSG00000260193.1	61
## ENSG00000238227.8	6103
## ENSG00000275329.1	38
## ENSG00000165661.18	3344
## ENSG00000260220.7	31
## ENSG00000262075.3	9
## ENSG00000160360.13	4538
## ENSG00000213221.5	17
## ENSG00000289701.1	2
## ENSG00000187796.16	85
## ENSG00000165684.6	2524
## ENSG00000165689.17	4685
## ENSG00000165688.14	7378
## ENSG00000148384.14	1130
## ENSG00000148396.19	13508
## ENSG00000196366.3	18
## ENSG00000148400.13	3849
## ENSG00000237886.2	7
## ENSG00000279141.4	9
## ENSG00000172889.16	1632
## ENSG00000169692.14	3930
## ENSG00000165716.11	2869
## ENSG00000233016.9	1990
## ENSG00000274356.1	6
## ENSG00000177984.7	46
## ENSG00000244187.8	4169
## ENSG00000213213.14	106
## ENSG00000273066.5	161
## ENSG00000228544.1	62
## ENSG00000196642.19	21228
## ENSG00000213212.3	12
## ENSG00000265806.1	76
## ENSG00000232434.3	168

## ENSG00000054148.18	5998
## ENSG0000028873.2	8
## ENSG00000177943.14	271
## ENSG00000107223.13	15122
## ENSG00000127191.18	2676
## ENSG00000213590.2	9
## ENSG00000260190.1	7
## ENSG00000159069.14	5904
## ENSG00000176919.13	14
## ENSG00000184925.12	15
## ENSG00000107317.13	7
## ENSG00000148362.11	1582
## ENSG00000169583.13	3
## ENSG00000107331.18	4574
## ENSG00000180539.8	13
## ENSG00000107281.10	2319
## ENSG00000054179.12	63
## ENSG00000186193.9	2724
## ENSG00000197355.11	297
## ENSG00000268996.3	74
## ENSG00000177239.16	6835
## ENSG00000176978.15	2507
## ENSG00000176884.17	97
## ENSG00000184709.7	18
## ENSG00000176248.9	2349
## ENSG00000176101.12	3079
## ENSG00000176058.13	1820
## ENSG00000187713.7	3424
## ENSG00000188566.15	1668
## ENSG00000212864.4	605
## ENSG00000197191.7	64
## ENSG00000233198.4	51
## ENSG00000198569.10	53
## ENSG00000188229.6	47448
## ENSG00000188986.9	7205
## ENSG00000198113.3	742
## ENSG00000260996.1	32
## ENSG00000288234.1	14
## ENSG00000198435.4	4951
## ENSG00000187609.16	649
## ENSG00000188747.9	142
## ENSG00000188833.10	88
## ENSG00000165802.23	10327
## ENSG00000130653.16	91
## ENSG00000182154.8	1564
## ENSG00000148399.13	1619
## ENSG00000165724.6	2432
## ENSG00000197070.14	1447
## ENSG00000203993.7	995
## ENSG00000181090.21	8737
## ENSG00000293104.1	11
## ENSG00000148408.14	435
## ENSG00000290588.1	4
## ENSG00000015171.21	7919

## ENSG00000151240.18	3703
## ENSG00000180525.14	33
## ENSG00000107929.16	6510
## ENSG00000205740.2	27
## ENSG00000107937.19	11838
## ENSG00000232656.10	38
## ENSG00000067064.13	8511
## ENSG00000047056.18	1801
## ENSG00000229205.5	7
## ENSG00000185736.16	311
## ENSG00000287043.1	2
## ENSG00000287560.1	8
## ENSG00000273001.1	27
## ENSG00000067057.19	8174
## ENSG00000107959.17	7305
## ENSG00000237399.7	16
## ENSG00000067082.15	7901
## ENSG00000165568.18	183
## ENSG00000187134.14	251
## ENSG00000151632.18	800
## ENSG00000196139.14	193
## ENSG00000198610.11	3
## ENSG00000178473.7	111
## ENSG00000173848.19	9783
## ENSG00000288922.2	29
## ENSG00000196372.13	2519
## ENSG00000108021.22	8708
## ENSG00000057608.17	54332
## ENSG00000272764.1	10
## ENSG00000134461.16	719
## ENSG00000134452.20	6444
## ENSG00000232807.2	9
## ENSG00000134470.21	126
## ENSG00000134453.16	8168
## ENSG00000170525.21	4765
## ENSG00000215244.4	26
## ENSG00000212743.2	7
## ENSG00000065675.16	663
## ENSG00000237943.8	350
## ENSG00000198879.13	1996
## ENSG00000278982.1	16
## ENSG00000123243.15	256
## ENSG00000151655.19	171
## ENSG00000151657.12	1080
## ENSG00000165629.20	18072
## ENSG00000165632.9	1935
## ENSG00000107485.18	226
## ENSG00000213771.3	31
## ENSG00000048740.19	2469
## ENSG00000181800.6	12
## ENSG00000148429.15	4098
## ENSG00000134463.15	6
## ENSG00000148426.14	2698
## ENSG00000225778.5	11

## ENSG00000151461.20	5026
## ENSG00000181192.12	6311
## ENSG00000065665.21	2514
## ENSG00000165609.14	8376
## ENSG00000151465.14	11899
## ENSG00000228302.2	21
## ENSG00000183049.14	341
## ENSG00000151468.11	265
## ENSG00000123240.17	4697
## ENSG00000234175.1	8
## ENSG00000065328.17	3698
## ENSG00000272055.1	7
## ENSG00000107537.14	3616
## ENSG00000086475.15	19460
## ENSG00000289585.2	4
## ENSG00000165626.19	1469
## ENSG00000165630.15	2024
## ENSG00000151474.23	5220
## ENSG00000234091.1	9
## ENSG00000065809.14	19435
## ENSG00000185267.10	63
## ENSG00000284024.4	3794
## ENSG00000187522.16	1710
## ENSG00000272853.2	23
## ENSG00000152455.16	4356
## ENSG00000152457.19	1494
## ENSG00000197889.10	27
## ENSG00000176244.7	313
## ENSG00000176236.6	10
## ENSG00000152464.15	1445
## ENSG00000152465.18	3399
## ENSG00000148468.17	9083
## ENSG00000232739.1	21
## ENSG00000077943.8	115
## ENSG00000148481.14	2227
## ENSG00000165983.15	3731
## ENSG00000165985.11	923
## ENSG00000287925.1	169
## ENSG00000148484.18	5794
## ENSG00000107611.16	332
## ENSG00000107614.22	882
## ENSG00000229124.8	100
## ENSG00000026025.16	59148
## ENSG00000148488.17	84
## ENSG00000204832.10	14
## ENSG00000165996.14	810
## ENSG00000260589.1	27
## ENSG00000136738.15	4067
## ENSG00000148483.9	50
## ENSG00000260314.3	7
## ENSG00000165995.24	152
## ENSG00000240291.1	22
## ENSG00000241058.4	764
## ENSG00000165997.5	15032

## ENSG00000204740.11	242
## ENSG00000285852.1	11
## ENSG00000120594.17	3959
## ENSG00000078114.19	530
## ENSG00000204682.9	436
## ENSG00000180592.17	910
## ENSG00000078403.17	3025
## ENSG00000223984.1	7
## ENSG00000136770.11	2739
## ENSG00000148444.16	542
## ENSG00000168283.14	1606
## ENSG00000077327.16	408
## ENSG00000286810.1	5
## ENSG00000285254.2	6
## ENSG00000150867.14	3406
## ENSG00000165309.14	527
## ENSG00000148450.13	2010
## ENSG00000229932.3	101
## ENSG00000168267.7	25
## ENSG00000179133.15	32
## ENSG00000224215.1	6
## ENSG00000287124.2	11
## ENSG00000165312.7	1893
## ENSG00000120549.19	7464
## ENSG00000107863.20	10150
## ENSG00000099256.19	2874
## ENSG00000151023.17	134
## ENSG00000185875.13	2216
## ENSG00000151025.11	250
## ENSG00000095777.17	1691
## ENSG00000136750.13	856
## ENSG00000077420.16	55
## ENSG00000279212.1	8
## ENSG00000148459.16	1206
## ENSG00000136754.18	4965
## ENSG00000290706.1	5
## ENSG00000107890.17	1721
## ENSG00000136758.20	22008
## ENSG00000120539.15	2783
## ENSG00000107897.20	2836
## ENSG00000230445.5	29
## ENSG00000099246.18	8307
## ENSG00000285737.1	2
## ENSG00000150051.14	14
## ENSG00000169126.16	21
## ENSG00000150054.19	1298
## ENSG00000254635.6	1776
## ENSG00000095787.26	14769
## ENSG00000095739.11	1825
## ENSG00000229605.5	8
## ENSG00000291093.1	45
## ENSG00000197321.16	7070
## ENSG00000165757.9	2256
## ENSG00000259994.1	138

## ENSG00000107951.15	2387
## ENSG00000107968.10	522
## ENSG00000234814.9	13
## ENSG00000183621.15	655
## ENSG00000272914.1	10
## ENSG00000287564.2	21
## ENSG00000237036.7	305
## ENSG00000148516.23	1142
## ENSG00000289412.2	15
## ENSG00000165322.18	3272
## ENSG00000170759.11	31686
## ENSG00000234335.1	18
## ENSG00000217094.2	77
## ENSG00000120616.16	2575
## ENSG00000216937.14	56
## ENSG00000231245.2	38
## ENSG00000150093.20	60789
## ENSG00000229656.9	12
## ENSG00000235962.5	17
## ENSG00000099250.18	6726
## ENSG00000148498.17	9296
## ENSG00000108094.17	5295
## ENSG00000095794.21	1447
## ENSG00000269952.1	12
## ENSG00000108100.18	8487
## ENSG00000271335.6	82
## ENSG00000177283.8	3105
## ENSG00000287528.1	7
## ENSG00000229644.6	62
## ENSG00000198105.16	890
## ENSG00000175395.16	220
## ENSG00000189180.16	5716
## ENSG00000226086.5	14
## ENSG00000075407.19	1912
## ENSG00000272983.1	33
## ENSG00000290535.1	16
## ENSG00000291065.1	554
## ENSG00000185904.12	135
## ENSG00000293313.1	766
## ENSG00000233837.1	13
## ENSG00000196693.15	5231
## ENSG00000272319.2	1
## ENSG00000285884.3	8
## ENSG00000259869.2	66
## ENSG00000165733.8	12448
## ENSG00000165731.21	573
## ENSG00000273008.1	7
## ENSG00000169826.8	952
## ENSG00000198915.12	637
## ENSG00000169813.17	40172
## ENSG00000230555.2	59
## ENSG00000243660.12	418
## ENSG00000196793.14	1313
## ENSG00000232004.1	11

## ENSG00000198298.13	565
## ENSG00000169740.14	2259
## ENSG00000226245.1	15
## ENSG00000230565.1	39
## ENSG00000226790.3	15
## ENSG00000107562.18	1629
## ENSG00000214089.3	4
## ENSG00000224812.4	10
## ENSG00000187783.12	45
## ENSG00000107551.21	3629
## ENSG00000165507.9	3742
## ENSG00000165511.6	294
## ENSG00000165512.5	3193
## ENSG00000293022.1	7
## ENSG00000256574.8	28
## ENSG00000012779.12	162
## ENSG00000165406.16	3910
## ENSG00000172671.20	753
## ENSG00000172661.20	3549
## ENSG00000188234.15	193
## ENSG00000290921.1	115
## ENSG00000239883.10	42
## ENSG00000265354.4	7988
## ENSG00000266412.6	40631
## ENSG00000289092.1	121
## ENSG00000263639.7	918
## ENSG00000264204.2	23
## ENSG00000279058.2	10
## ENSG00000285294.1	25
## ENSG00000213412.3	13
## ENSG00000204174.8	2
## ENSG00000204175.6	2418
## ENSG00000204176.14	12
## ENSG00000231187.3	28
## ENSG00000165874.14	8
## ENSG00000290875.1	8
## ENSG00000291069.1	66
## ENSG00000243289.2	26
## ENSG00000266524.3	17
## ENSG00000265203.2	6
## ENSG00000265763.4	529
## ENSG00000265190.7	17
## ENSG00000204172.12	152
## ENSG00000254929.6	5
## ENSG00000290453.1	6
## ENSG00000189014.7	53
## ENSG00000226964.1	44
## ENSG00000277758.6	51
## ENSG00000276850.5	186
## ENSG00000273760.1	71
## ENSG00000289444.1	1
## ENSG00000170324.21	314
## ENSG00000107643.17	7353
## ENSG00000279822.1	31

## ENSG00000128805.15	521
## ENSG00000165633.13	54
## ENSG00000225830.16	1180
## ENSG00000187714.7	20
## ENSG00000197444.10	699
## ENSG00000229870.1	17
## ENSG00000227345.9	6733
## ENSG00000204152.14	378
## ENSG00000178440.9	12
## ENSG00000222108.1	5
## ENSG00000285803.1	12
## ENSG00000204149.16	31
## ENSG00000290956.1	5
## ENSG00000099290.17	3244
## ENSG00000188611.17	1288
## ENSG00000225137.1	93
## ENSG00000198964.14	2019
## ENSG00000286401.1	17
## ENSG00000279863.1	37
## ENSG00000226200.7	153
## ENSG00000293353.1	38
## ENSG00000287221.1	11
## ENSG00000204147.11	1109
## ENSG00000148584.16	7312
## ENSG00000185532.20	687
## ENSG00000177613.9	4452
## ENSG00000236671.9	18
## ENSG00000107984.10	4972
## ENSG00000231131.10	24
## ENSG00000165471.7	37
## ENSG00000285958.1	12
## ENSG00000227121.2	4564
## ENSG00000150275.20	242
## ENSG00000236993.2	10
## ENSG00000122952.17	4548
## ENSG00000287016.1	32
## ENSG00000151151.6	1488
## ENSG00000122873.12	2659
## ENSG00000072401.15	4741
## ENSG00000108064.11	7973
## ENSG00000122870.12	7453
## ENSG00000165443.12	1438
## ENSG00000148541.13	276
## ENSG00000165449.12	2340
## ENSG00000108091.11	10376
## ENSG00000151150.22	3653
## ENSG00000232682.2	6
## ENSG00000170312.17	7523
## ENSG00000072422.17	4540
## ENSG00000196932.12	7
## ENSG00000183346.9	136
## ENSG00000150347.17	6498
## ENSG00000182010.11	2148
## ENSG00000138311.18	6

## ENSG00000181915.6	4691
## ENSG00000122877.18	96
## ENSG00000148572.16	2324
## ENSG00000171988.20	5503
## ENSG00000234369.1	2
## ENSG00000272767.1	53
## ENSG00000165476.14	5608
## ENSG00000213609.3	117
## ENSG00000235489.4	27
## ENSG00000228065.13	635
## ENSG00000183230.18	186
## ENSG00000198739.11	74
## ENSG00000108176.15	967
## ENSG00000272892.1	5
## ENSG00000219932.6	12
## ENSG00000096717.12	3503
## ENSG00000148634.16	3476
## ENSG00000226318.1	6
## ENSG00000179774.9	11
## ENSG00000108187.16	263
## ENSG00000096746.18	23359
## ENSG00000204130.14	1187
## ENSG00000138346.16	3679
## ENSG00000122912.15	1151
## ENSG00000138336.9	3932
## ENSG00000260400.1	515
## ENSG00000060339.14	12808
## ENSG00000221184.1	21
## ENSG00000165730.16	406
## ENSG00000107625.14	6416
## ENSG00000165732.14	33390
## ENSG00000198954.9	3672
## ENSG00000122958.15	10690
## ENSG00000156502.14	3573
## ENSG00000156510.13	1286
## ENSG00000156515.25	11015
## ENSG00000099282.10	2542
## ENSG00000287306.1	21
## ENSG00000122859.5	1235
## ENSG00000236154.3	80
## ENSG00000171224.9	1046
## ENSG00000197467.17	47
## ENSG00000224222.2	5
## ENSG00000099284.15	15281
## ENSG00000042286.15	1254
## ENSG00000156521.14	1636
## ENSG00000079332.16	11151
## ENSG00000229097.1	36
## ENSG00000180817.12	22558
## ENSG00000172731.15	5968
## ENSG00000148730.7	34503
## ENSG00000156574.10	7
## ENSG00000280401.1	8
## ENSG00000107719.10	583

## ENSG00000138316.11	9
## ENSG00000166224.18	11056
## ENSG00000166228.9	8353
## ENSG00000107731.12	3578
## ENSG00000237512.7	161
## ENSG00000198246.10	1247
## ENSG00000279406.1	74
## ENSG00000107736.22	158
## ENSG00000107738.20	1239
## ENSG00000197746.15	108476
## ENSG00000122863.6	11909
## ENSG00000107742.14	61556
## ENSG00000138303.19	5020
## ENSG00000226701.1	15
## ENSG00000166295.9	8323
## ENSG00000289506.2	7
## ENSG00000168209.6	10916
## ENSG00000148719.16	3467
## ENSG00000107745.20	5368
## ENSG00000156026.15	9653
## ENSG00000138315.13	60
## ENSG00000215086.2	76
## ENSG00000138308.6	186
## ENSG00000213700.3	43
## ENSG00000122884.13	11106
## ENSG00000272630.1	18
## ENSG00000166321.14	135
## ENSG00000272599.2	41
## ENSG00000221164.1	39
## ENSG00000122882.11	5189
## ENSG00000138286.15	2014
## ENSG00000213551.7	2461
## ENSG00000288559.1	145
## ENSG00000236756.4	58
## ENSG00000182180.14	9528
## ENSG00000227540.1	45
## ENSG00000156042.19	127
## ENSG00000138279.16	9348
## ENSG00000229659.1	29
## ENSG00000166343.10	52
## ENSG00000107758.16	6068
## ENSG00000221817.12	103
## ENSG00000166348.20	3913
## ENSG00000268584.1	19
## ENSG00000272791.1	9
## ENSG00000177791.12	61
## ENSG00000166317.12	9
## ENSG00000172650.15	5
## ENSG00000271816.1	4
## ENSG00000272140.2	18
## ENSG00000290737.1	13
## ENSG00000291043.1	51
## ENSG00000250959.5	9
## ENSG00000235316.1	40

## ENSG00000279088.2	185
## ENSG00000176986.16	7745
## ENSG00000279689.1	5
## ENSG00000196968.11	1558
## ENSG00000288823.1	100
## ENSG00000172586.8	2537
## ENSG00000214655.11	3422
## ENSG00000166507.19	16
## ENSG00000148660.22	2369
## ENSG00000122861.16	3295
## ENSG00000222047.9	8
## ENSG00000035403.18	66228
## ENSG00000185009.13	10491
## ENSG00000156110.15	3190
## ENSG00000156650.14	3566
## ENSG00000156671.15	3125
## ENSG00000165637.14	24704
## ENSG00000165644.11	602
## ENSG00000226051.10	18
## ENSG00000165655.17	3090
## ENSG00000237149.5	552
## ENSG00000273248.2	12
## ENSG00000272692.2	23
## ENSG00000148655.16	70
## ENSG00000156113.25	2827
## ENSG00000213514.2	10
## ENSG00000213513.3	17
## ENSG00000228748.2	12
## ENSG00000151208.17	8133
## ENSG00000233871.2	31
## ENSG00000148606.15	7990
## ENSG00000138326.21	139211
## ENSG00000230417.12	19
## ENSG00000224596.9	52
## ENSG00000108175.19	14407
## ENSG00000108179.14	9606
## ENSG00000165424.7	1355
## ENSG00000253626.4	190
## ENSG00000244733.5	33
## ENSG00000225484.7	1669
## ENSG00000280355.1	62
## ENSG00000278616.1	67
## ENSG00000188199.11	12
## ENSG00000272447.1	145
## ENSG00000228570.8	76
## ENSG00000133661.17	2
## ENSG00000230091.6	38
## ENSG00000133678.14	2416
## ENSG00000189129.14	15
## ENSG00000122359.18	16165
## ENSG00000237523.2	613
## ENSG00000234743.1	50
## ENSG00000151224.13	62
## ENSG00000170788.14	4

## ENSG00000133665.13	153
## ENSG00000122378.14	19175
## ENSG00000108219.16	18545
## ENSG00000178217.15	3
## ENSG00000185737.13	71
## ENSG00000165678.22	22844
## ENSG00000148600.15	161
## ENSG00000229404.6	6
## ENSG00000107771.17	3958
## ENSG00000178429.9	169
## ENSG00000182771.19	113
## ENSG00000287475.1	10
## ENSG00000062650.20	11301
## ENSG00000227896.2	55
## ENSG00000122367.21	102
## ENSG00000272631.1	88
## ENSG00000107779.15	7993
## ENSG00000173269.14	33
## ENSG00000173267.14	198
## ENSG00000272734.1	207
## ENSG00000148672.10	22912
## ENSG00000122376.12	4113
## ENSG00000223482.10	2943
## ENSG00000287077.1	27
## ENSG00000285257.1	60
## ENSG00000184923.12	99
## ENSG00000224914.4	712
## ENSG00000214562.15	193
## ENSG00000286445.1	14
## ENSG00000107789.16	4605
## ENSG00000225913.2	21
## ENSG00000198682.13	2190
## ENSG00000138138.14	10773
## ENSG00000290782.1	43
## ENSG00000227268.5	246
## ENSG00000171862.15	8130
## ENSG00000213613.2	17
## ENSG00000184719.13	392
## ENSG00000204022.9	6
## ENSG00000152766.6	4
## ENSG00000138134.12	186
## ENSG00000107796.13	2826
## ENSG00000026103.25	800
## ENSG00000286116.1	2
## ENSG00000138135.7	177
## ENSG00000107798.18	4213
## ENSG00000119922.11	16
## ENSG00000119917.15	111
## ENSG00000185745.10	126
## ENSG00000152778.10	1246
## ENSG00000152779.14	400
## ENSG00000152782.19	4333
## ENSG00000232936.6	13
## ENSG00000235100.6	10

## ENSG00000240996.1	12
## ENSG00000138182.15	4556
## ENSG00000228938.3	4
## ENSG00000148680.16	22
## ENSG00000148688.14	3020
## ENSG00000148677.7	42669
## ENSG00000234043.3	11
## ENSG00000180628.15	5447
## ENSG00000289228.2	28
## ENSG00000165338.17	1213
## ENSG00000119938.9	1280
## ENSG00000228701.3	25
## ENSG00000107854.7	12255
## ENSG00000180581.7	87
## ENSG00000174721.10	547
## ENSG00000272817.1	3
## ENSG00000095564.15	4742
## ENSG00000107864.15	95
## ENSG00000105988.6	13
## ENSG00000198060.10	7274
## ENSG00000232709.1	14
## ENSG00000119912.18	11853
## ENSG00000138160.7	8611
## ENSG00000236493.2	12
## ENSG00000152804.11	1634
## ENSG00000138190.17	1763
## ENSG00000237417.1	12
## ENSG00000213432.2	6
## ENSG00000138119.17	23470
## ENSG00000138180.16	2914
## ENSG00000186188.11	37
## ENSG00000138207.15	3574
## ENSG00000095464.10	4
## ENSG00000148690.12	2388
## ENSG00000176273.15	1592
## ENSG00000138193.17	4515
## ENSG00000273450.1	6
## ENSG00000173145.11	3335
## ENSG00000108239.9	1225
## ENSG00000119969.16	5409
## ENSG00000108242.13	79
## ENSG00000165841.11	39
## ENSG00000138109.11	28
## ENSG00000233377.1	8
## ENSG00000138115.15	69
## ENSG00000231829.4	6
## ENSG00000288526.1	4
## ENSG00000173124.15	10
## ENSG00000234026.1	20
## ENSG00000107438.9	127950
## ENSG00000095637.23	4435
## ENSG00000214362.2	13
## ENSG00000059573.9	28459
## ENSG00000119977.22	12381

## ENSG00000138185.20	960
## ENSG00000226688.9	171
## ENSG00000188649.16	13
## ENSG00000107443.16	11010
## ENSG00000287009.1	19
## ENSG00000177853.15	3560
## ENSG00000095585.18	309
## ENSG00000095587.9	67
## ENSG00000077147.16	31377
## ENSG00000235677.1	6
## ENSG00000155629.15	1069
## ENSG00000236552.2	2102
## ENSG00000196233.14	7702
## ENSG00000187122.17	210
## ENSG00000213390.11	2695
## ENSG00000165879.9	1418
## ENSG00000181274.7	4700
## ENSG00000225850.4	18
## ENSG00000052749.14	6412
## ENSG00000171314.9	20447
## ENSG00000171311.13	2596
## ENSG00000171307.19	5402
## ENSG00000155229.21	10667
## ENSG00000165886.5	1372
## ENSG00000241935.9	102
## ENSG00000171160.18	1689
## ENSG00000155252.14	2917
## ENSG00000119986.7	892
## ENSG00000155254.13	4105
## ENSG00000155256.18	2572
## ENSG00000120057.5	6649
## ENSG00000155265.12	169
## ENSG00000095713.14	323
## ENSG00000166024.14	2555
## ENSG00000138131.4	1577
## ENSG00000119943.13	263
## ENSG00000107521.21	1293
## ENSG00000287261.3	36
## ENSG00000119946.12	451
## ENSG00000120053.12	6002
## ENSG00000224934.6	83
## ENSG00000119919.12	1
## ENSG00000155287.12	758
## ENSG00000260475.2	5
## ENSG00000198018.7	6568
## ENSG00000119929.13	981
## ENSG00000014919.13	4836
## ENSG00000023839.12	57
## ENSG00000107554.17	3171
## ENSG00000120054.12	186
## ENSG00000107566.14	6634
## ENSG00000213341.11	3567
## ENSG00000236308.1	10
## ENSG00000227492.2	5

## ENSG00000095485.18	2660
## ENSG00000230224.1	13
## ENSG00000196072.12	5446
## ENSG00000099194.6	178074
## ENSG00000235823.5	751
## ENSG00000075290.8	212
## ENSG00000075826.17	163
## ENSG00000166136.16	1051
## ENSG00000166135.14	9018
## ENSG00000272572.1	35
## ENSG00000119906.13	3184
## ENSG00000055950.17	3378
## ENSG00000095539.16	8452
## ENSG00000107815.10	4816
## ENSG00000107816.17	6488
## ENSG00000186862.20	43
## ENSG00000107819.15	1244
## ENSG00000273162.1	24
## ENSG00000107821.15	317
## ENSG00000107807.13	75
## ENSG00000138136.7	13
## ENSG00000227128.5	21
## ENSG00000289441.1	18
## ENSG00000166167.18	4975
## ENSG00000166171.13	2359
## ENSG00000166169.17	2385
## ENSG00000107829.15	3403
## ENSG00000107831.14	28
## ENSG00000107833.11	4082
## ENSG00000198408.14	10167
## ENSG00000226009.3	31
## ENSG00000120049.20	25
## ENSG00000120029.13	3605
## ENSG00000166189.8	3123
## ENSG00000198728.11	8337
## ENSG00000148840.11	7356
## ENSG00000166197.17	28951
## ENSG00000107862.7	10276
## ENSG00000077150.21	3238
## ENSG00000059915.17	349
## ENSG00000107872.14	631
## ENSG00000107874.11	7367
## ENSG00000269609.6	728
## ENSG00000120055.7	15
## ENSG00000138111.14	1406
## ENSG00000138107.13	21478
## ENSG00000107882.12	4264
## ENSG00000228657.1	20
## ENSG00000171206.16	4384
## ENSG00000138175.9	5230
## ENSG00000156398.13	871
## ENSG00000166272.18	4188
## ENSG00000166275.16	1868
## ENSG00000214435.9	40

## ENSG00000148842.18	2044
## ENSG00000076685.19	6343
## ENSG00000229256.1	7
## ENSG00000148798.11	5625
## ENSG00000156374.16	1415
## ENSG00000148835.12	1796
## ENSG00000173915.16	6275
## ENSG00000148843.15	17242
## ENSG00000138172.11	182
## ENSG00000185933.7	7
## ENSG00000183128.7	37
## ENSG00000235470.5	30
## ENSG00000107954.11	746
## ENSG00000107957.17	3183
## ENSG00000273108.1	37
## ENSG00000107960.12	322
## ENSG00000289745.1	14
## ENSG00000065613.15	8694
## ENSG00000065618.21	871
## ENSG00000156384.15	427
## ENSG00000197748.13	215
## ENSG00000148834.13	25919
## ENSG00000266852.2	16
## ENSG00000065621.15	210
## ENSG00000148841.17	2631
## ENSG00000120051.15	51
## ENSG00000156395.14	73
## ENSG00000213260.3	8
## ENSG00000108018.17	2205
## ENSG00000229981.8	5
## ENSG00000203434.2	5
## ENSG00000108039.18	7007
## ENSG00000203876.10	45
## ENSG00000148700.15	21827
## ENSG00000119950.21	4235
## ENSG00000119953.14	5186
## ENSG00000273143.2	48
## ENSG00000138166.6	36950
## ENSG00000108055.11	32958
## ENSG00000203867.8	146
## ENSG00000203497.3	122
## ENSG00000150593.18	7814
## ENSG00000214413.9	888
## ENSG00000270589.1	15
## ENSG00000108061.13	5679
## ENSG00000234118.1	22
## ENSG00000150594.7	442
## ENSG00000119927.14	3568
## ENSG00000197142.11	36
## ENSG00000023041.12	2035
## ENSG00000151532.15	2542
## ENSG00000234017.1	13
## ENSG00000285676.3	58
## ENSG00000260917.1	516

## ENSG00000148737.18	4437
## ENSG00000148702.15	4402
## ENSG00000197893.14	88
## ENSG00000165806.21	2080
## ENSG00000198924.8	1753
## ENSG00000196865.4	3613
## ENSG00000043591.6	5
## ENSG00000165813.20	1965
## ENSG00000165816.13	632
## ENSG00000169129.16	255
## ENSG00000099204.22	9893
## ENSG00000228169.3	12
## ENSG00000151553.16	2615
## ENSG00000165832.6	5249
## ENSG00000107518.18	536
## ENSG00000151892.16	1094
## ENSG00000266200.8	12
## ENSG00000165863.17	1537
## ENSG00000165868.16	2703
## ENSG00000228195.2	6
## ENSG00000188316.16	75
## ENSG00000187164.20	8230
## ENSG00000165646.14	76
## ENSG00000277879.1	101
## ENSG00000165650.12	5170
## ENSG00000229847.9	6
## ENSG00000170370.12	1
## ENSG00000107560.12	2704
## ENSG00000177640.16	285
## ENSG00000165669.14	3267
## ENSG00000119973.6	272
## ENSG00000151893.15	9666
## ENSG00000277687.1	23
## ENSG00000229272.2	4
## ENSG00000236058.3	44
## ENSG00000213574.2	14
## ENSG00000188613.7	466
## ENSG00000107581.14	52755
## ENSG00000289126.2	8
## ENSG00000119979.18	3599
## ENSG00000183605.17	2053
## ENSG00000165672.7	27755
## ENSG00000198873.12	933
## ENSG00000148908.15	203
## ENSG00000151923.18	7295
## ENSG00000151929.10	3956
## ENSG00000198825.15	10135
## ENSG00000197771.13	8849
## ENSG00000107651.15	8814
## ENSG00000220842.6	392
## ENSG00000203805.11	58
## ENSG00000227165.10	37
## ENSG00000120008.16	6458
## ENSG00000227307.1	13

## ENSG00000278484.1	16
## ENSG00000236762.1	35
## ENSG00000066468.24	32971
## ENSG00000107669.19	4755
## ENSG00000293468.1	117
## ENSG00000276742.1	5
## ENSG00000107672.15	3646
## ENSG00000273891.1	43
## ENSG00000138162.19	4596
## ENSG00000285973.2	49
## ENSG00000138152.10	13
## ENSG00000107679.15	3622
## ENSG00000166033.13	925
## ENSG00000187908.20	10
## ENSG00000293310.1	6
## ENSG00000119965.13	1167
## ENSG00000179988.15	234
## ENSG00000095574.12	1003
## ENSG00000196177.13	2178
## ENSG00000188620.11	527
## ENSG00000188816.4	69
## ENSG00000154473.18	12099
## ENSG00000230131.6	10
## ENSG00000121898.13	93
## ENSG00000182022.18	1829
## ENSG00000065154.12	7372
## ENSG00000229544.9	8
## ENSG00000107902.14	471
## ENSG00000258539.1	32
## ENSG00000189319.14	4695
## ENSG00000203791.15	628
## ENSG00000165660.8	2808
## ENSG00000249456.1	12
## ENSG00000019995.6	3213
## ENSG00000175029.17	13410
## ENSG00000273599.1	50
## ENSG00000282787.1	11
## ENSG00000224023.10	5
## ENSG00000107938.18	2572
## ENSG00000154485.5	11
## ENSG00000188690.16	5430
## ENSG00000107949.17	8773
## ENSG00000089876.12	4639
## ENSG00000203780.12	459
## ENSG00000148848.15	874
## ENSG00000150760.13	5563
## ENSG00000188916.9	36
## ENSG00000186766.8	6
## ENSG00000180745.5	116
## ENSG00000132334.17	175
## ENSG00000148773.14	19435
## ENSG00000170430.10	1229
## ENSG00000283141.1	12
## ENSG00000108001.16	57

## ENSG00000237489.5	230
## ENSG00000233122.2	12
## ENSG00000108010.12	12001
## ENSG00000175470.20	4051
## ENSG00000176171.12	6915
## ENSG00000277959.1	16
## ENSG00000273521.1	7
## ENSG00000279982.1	10
## ENSG00000188385.13	17
## ENSG00000151640.13	8703
## ENSG00000165752.17	1067
## ENSG00000148814.18	1010
## ENSG00000171813.14	1690
## ENSG00000180066.11	11
## ENSG00000226900.2	93
## ENSG00000068383.19	3772
## ENSG00000148826.9	225
## ENSG00000171811.14	207
## ENSG00000289039.1	2
## ENSG00000197177.16	133
## ENSG00000171798.19	591
## ENSG00000151650.8	221
## ENSG00000273980.1	13
## ENSG00000151651.16	444
## ENSG00000130640.15	7607
## ENSG00000198546.15	895
## ENSG00000130643.9	179
## ENSG00000230306.1	21
## ENSG00000148803.12	984
## ENSG00000127884.5	6591
## ENSG00000148832.16	39
## ENSG00000254536.2	19
## ENSG00000148824.19	491
## ENSG00000203772.8	23
## ENSG00000214279.13	22
## ENSG00000130649.10	331
## ENSG00000278518.1	8
## ENSG00000230724.9	19
## ENSG00000177951.18	4202
## ENSG00000177963.15	9379
## ENSG00000142082.15	1765
## ENSG00000185627.19	12983
## ENSG00000277290.1	10
## ENSG00000174885.13	4
## ENSG00000255026.1	29
## ENSG00000142102.16	659
## ENSG00000185201.18	632
## ENSG00000185885.17	445
## ENSG00000251661.3	12
## ENSG00000142089.17	8466
## ENSG00000182272.12	4306
## ENSG00000184363.10	1891
## ENSG00000185187.13	995
## ENSG00000185101.13	718

## ENSG00000174915.12	5164
## ENSG00000255237.1	2
## ENSG00000023191.17	6139
## ENSG00000289997.1	6
## ENSG00000174775.18	2389
## ENSG00000161328.11	180
## ENSG00000185522.9	47
## ENSG00000254815.6	13
## ENSG00000099849.15	1715
## ENSG00000247095.5	199
## ENSG00000070047.13	6940
## ENSG00000185507.21	301
## ENSG00000099834.19	27
## ENSG00000070031.4	25
## ENSG00000069696.7	28
## ENSG00000177030.19	3402
## ENSG00000177106.17	9154
## ENSG00000177042.16	527
## ENSG00000177156.11	11460
## ENSG00000177225.17	2499
## ENSG00000255284.4	116
## ENSG00000279672.2	152
## ENSG00000255142.1	13
## ENSG00000184524.6	43
## ENSG00000177542.11	2920
## ENSG00000288675.1	48
## ENSG00000177595.19	1987
## ENSG00000177600.9	65955
## ENSG00000177666.17	1459
## ENSG00000255108.1	7
## ENSG00000177685.17	387
## ENSG00000177697.19	16819
## ENSG00000177700.6	6225
## ENSG00000214063.12	3373
## ENSG00000250397.2	19
## ENSG00000177830.18	8238
## ENSG00000183020.15	8373
## ENSG00000184956.16	42
## ENSG00000198788.9	3
## ENSG00000215182.8	5
## ENSG00000117983.17	18
## ENSG00000078902.16	3513
## ENSG00000255153.1	41
## ENSG00000287935.1	13
## ENSG00000174672.16	2853
## ENSG00000182208.15	1556
## ENSG00000184545.11	1841
## ENSG00000233930.4	402
## ENSG00000205869.2	31
## ENSG00000244242.2	19
## ENSG00000250644.3	10
## ENSG00000117984.15	9447
## ENSG00000149043.17	41
## ENSG00000130592.17	6

## ENSG00000214026.11	1241
## ENSG00000226416.3	9
## ENSG00000130600.22	5
## ENSG00000167244.22	288354
## ENSG00000207805.3	4
## ENSG00000099869.8	3254
## ENSG00000254647.7	4580
## ENSG00000180176.15	73
## ENSG00000183734.5	120
## ENSG00000110665.12	29
## ENSG00000064201.16	52
## ENSG00000238184.1	9
## ENSG00000290098.1	11
## ENSG00000110651.13	32391
## ENSG00000184281.15	3670
## ENSG00000070985.14	60
## ENSG00000053918.19	246
## ENSG00000269821.2	241
## ENSG00000129757.15	14204
## ENSG00000254827.7	16
## ENSG00000110628.16	718
## ENSG00000181649.8	384
## ENSG00000205531.14	16785
## ENSG00000183562.3	7
## ENSG00000110619.18	7472
## ENSG00000285644.1	46
## ENSG00000021762.20	561
## ENSG00000005801.18	7350
## ENSG00000290960.1	453
## ENSG00000189398.5	38
## ENSG00000166492.9	95
## ENSG00000167311.14	386
## ENSG00000129749.3	46
## ENSG00000110713.18	15444
## ENSG00000148985.20	3076
## ENSG00000177105.10	2618
## ENSG00000228661.1	8
## ENSG00000167323.13	4211
## ENSG00000230593.3	6
## ENSG00000167325.15	18582
## ENSG00000254480.2	1
## ENSG00000132109.10	1117
## ENSG00000291144.1	15
## ENSG00000167333.13	867
## ENSG00000180785.10	370
## ENSG00000167332.9	4
## ENSG00000271602.1	29
## ENSG00000175518.8	13
## ENSG00000229534.1	10
## ENSG00000121236.21	697
## ENSG00000132256.20	3076
## ENSG00000132274.17	281
## ENSG00000267940.1	31
## ENSG00000180878.3	8

## ENSG00000051009.11	2056
## ENSG00000132259.13	29
## ENSG00000110148.10	203
## ENSG00000170955.10	86
## ENSG00000166311.10	1968
## ENSG00000166313.20	5305
## ENSG00000110169.12	212
## ENSG00000110171.21	712
## ENSG00000132254.13	5932
## ENSG00000132286.12	3736
## ENSG00000254595.1	49
## ENSG00000179532.13	307
## ENSG00000132275.11	1857
## ENSG00000166333.14	645
## ENSG00000166337.11	218
## ENSG00000166340.18	9658
## ENSG00000166341.9	7542
## ENSG00000255410.2	2
## ENSG00000158042.9	3815
## ENSG00000291143.1	10
## ENSG00000254781.1	26
## ENSG00000188124.4	11
## ENSG00000149054.16	485
## ENSG00000149050.10	397
## ENSG00000158077.5	4
## ENSG00000170743.17	11
## ENSG00000251364.9	222
## ENSG00000183801.8	37
## ENSG00000166387.14	6986
## ENSG00000166394.15	2204
## ENSG00000183378.13	36
## ENSG00000275612.1	5
## ENSG00000276668.1	14
## ENSG00000254951.7	27
## ENSG00000279000.4	7
## ENSG00000170683.7	6
## ENSG00000175390.15	28825
## ENSG00000166402.9	2943
## ENSG00000166405.16	248
## ENSG00000166407.14	104
## ENSG00000130413.16	1139
## ENSG00000166436.18	530
## ENSG00000166441.13	99774
## ENSG00000212607.1	5
## ENSG00000166444.19	3042
## ENSG00000166452.12	1020
## ENSG00000176029.14	23
## ENSG00000175348.11	2064
## ENSG00000254860.7	237
## ENSG00000175352.12	179
## ENSG00000175356.14	70
## ENSG00000213538.5	6
## ENSG00000184014.9	11433
## ENSG00000166471.11	5520

## ENSG00000205339.10	42189
## ENSG00000201998.1	2
## ENSG00000268403.3	46
## ENSG00000166478.10	3242
## ENSG00000166483.12	23047
## ENSG00000243964.1	45
## ENSG00000239470.3	10
## ENSG00000133789.15	6091
## ENSG00000245522.2	38
## ENSG00000246273.9	572
## ENSG00000133812.18	5806
## ENSG00000254719.1	16
## ENSG00000254554.1	26
## ENSG00000148926.10	5272
## ENSG00000133805.16	1190
## ENSG00000283813.1	4
## ENSG00000110315.7	5985
## ENSG00000072952.21	643
## ENSG00000198730.9	6908
## ENSG00000110321.19	172119
## ENSG00000246308.4	16
## ENSG00000236287.8	3553
## ENSG00000247271.9	223
## ENSG00000110328.6	889
## ENSG00000254598.3	49
## ENSG00000170242.19	8300
## ENSG00000050165.19	7111
## ENSG00000133816.19	8689
## ENSG00000197702.14	6928
## ENSG00000187079.20	12421
## ENSG00000251381.8	17
## ENSG00000254670.1	74
## ENSG00000189431.8	1773
## ENSG00000133794.20	258
## ENSG00000148925.11	3295
## ENSG00000197601.14	5353
## ENSG00000262655.4	3707
## ENSG00000133818.14	6314
## ENSG00000129083.13	20660
## ENSG00000129084.18	2873
## ENSG00000152270.9	4528
## ENSG00000255040.1	19
## ENSG00000186104.11	914
## ENSG00000175868.14	34
## ENSG00000188487.12	12
## ENSG00000110693.19	1132
## ENSG00000110696.10	27898
## ENSG00000166689.18	2863
## ENSG00000244398.1	922
## ENSG00000290957.1	38
## ENSG00000110700.7	54368
## ENSG00000272034.1	13
## ENSG00000011405.14	13443
## ENSG00000070081.18	5877

## ENSG00000197149.5	20
## ENSG00000188211.9	1173
## ENSG00000187486.7	598
## ENSG00000260196.1	229
## ENSG00000006071.16	682
## ENSG00000006611.17	1255
## ENSG00000188162.12	67
## ENSG00000129159.9	139
## ENSG00000129158.11	1526
## ENSG00000129167.10	1749
## ENSG00000166788.10	3920
## ENSG00000212789.4	29
## ENSG00000110756.18	2645
## ENSG00000110768.12	3609
## ENSG00000134333.15	80160
## ENSG00000166796.12	23
## ENSG00000166800.11	17
## ENSG00000074319.13	6434
## ENSG00000256464.1	15
## ENSG00000151116.17	1746
## ENSG00000247595.5	62
## ENSG00000293242.1	15
## ENSG00000279837.1	10
## ENSG00000179119.15	4716
## ENSG00000257043.1	7
## ENSG00000151117.9	251
## ENSG00000179057.14	36
## ENSG00000254966.1	15
## ENSG00000110786.18	462
## ENSG00000177054.14	2148
## ENSG00000129173.13	726
## ENSG00000166833.23	9010
## ENSG00000254622.1	10
## ENSG00000109854.14	2861
## ENSG00000185238.13	2689
## ENSG00000165973.19	162
## ENSG00000171714.13	864
## ENSG00000254768.6	14
## ENSG00000091664.9	424
## ENSG00000183161.6	3138
## ENSG00000148935.12	103
## ENSG00000198168.9	2670
## ENSG00000246225.7	42
## ENSG00000255418.6	68
## ENSG00000187398.12	322
## ENSG00000134343.14	4
## ENSG00000169550.14	43
## ENSG00000148942.15	70
## ENSG00000176971.4	11
## ENSG00000254560.6	24
## ENSG00000109881.17	2644
## ENSG00000205213.14	10891
## ENSG00000148943.12	3276
## ENSG00000245573.9	99

## ENSG00000240036.4	46
## ENSG00000176697.20	1437
## ENSG00000224411.3	217
## ENSG00000121621.7	2545
## ENSG00000169519.21	2236
## ENSG00000182255.7	7
## ENSG00000254532.2	20
## ENSG00000152219.5	3022
## ENSG00000066382.17	148
## ENSG00000170959.15	156
## ENSG00000170946.15	1089
## ENSG00000148950.11	932
## ENSG00000109911.19	1511
## ENSG00000007372.25	805
## ENSG00000281880.2	99
## ENSG00000049449.10	15605
## ENSG00000184937.16	20
## ENSG00000183242.13	4
## ENSG00000149100.13	29206
## ENSG00000270903.1	10
## ENSG00000135378.4	275
## ENSG00000060749.17	10581
## ENSG00000121690.11	544
## ENSG00000176148.16	1142
## ENSG00000213713.3	268
## ENSG00000280798.1	1000
## ENSG00000176102.13	5642
## ENSG00000247151.7	12
## ENSG00000241255.1	20
## ENSG00000110422.12	8035
## ENSG00000110427.17	1605
## ENSG00000085063.18	15088
## ENSG00000110429.14	2779
## ENSG00000135363.12	250
## ENSG00000286626.2	10
## ENSG00000135387.21	63850
## ENSG00000135372.10	10545
## ENSG00000166016.6	1167
## ENSG00000121691.7	3641
## ENSG00000135374.11	27
## ENSG00000135373.13	1563
## ENSG00000271369.1	146
## ENSG00000149089.13	1590
## ENSG00000110435.13	4558
## ENSG00000026508.21	2473
## ENSG00000110436.13	7
## ENSG00000149090.13	45
## ENSG00000179431.7	1336
## ENSG00000166326.7	13770
## ENSG00000186082.9	5
## ENSG00000179241.13	3455
## ENSG00000110442.12	3212
## ENSG00000135362.14	33
## ENSG00000175104.15	1963

## ENSG00000166349.11	108
## ENSG00000166352.18	1321
## ENSG00000279675.1	7
## ENSG00000148948.8	155
## ENSG00000166181.13	14222
## ENSG00000254907.1	5
## ENSG00000052841.16	9434
## ENSG00000283341.4	60
## ENSG00000149084.13	9198
## ENSG00000246250.3	9
## ENSG00000166199.13	1151
## ENSG00000213693.4	40
## ENSG00000244926.7	19
## ENSG00000254409.3	18
## ENSG00000110455.14	263
## ENSG00000151348.16	17407
## ENSG00000052850.8	8
## ENSG00000085117.12	386
## ENSG00000157570.12	5342
## ENSG00000175274.19	15249
## ENSG00000019485.14	1250
## ENSG00000019505.8	9064
## ENSG00000254427.3	45
## ENSG00000175264.8	56
## ENSG00000181830.9	5107
## ENSG00000121671.12	4629
## ENSG00000121653.11	3267
## ENSG00000234776.5	18
## ENSG00000121680.16	1583
## ENSG00000165905.18	1519
## ENSG00000135365.17	3749
## ENSG00000255007.3	36
## ENSG00000157613.11	5317
## ENSG00000149091.15	5727
## ENSG00000110492.17	108816
## ENSG00000180720.8	57
## ENSG00000110497.15	6483
## ENSG00000244313.3	766
## ENSG00000180423.4	451
## ENSG00000175224.17	7944
## ENSG00000175220.12	5246
## ENSG00000175213.3	1796
## ENSG00000180210.15	2690
## ENSG00000175216.15	35370
## ENSG00000212135.1	10
## ENSG00000247675.8	15
## ENSG00000134569.10	4109
## ENSG00000149179.14	6421
## ENSG00000149182.15	7653
## ENSG00000270060.1	9
## ENSG00000165912.16	4517
## ENSG00000243802.2	7
## ENSG00000134574.12	4167
## ENSG00000256897.1	11

## ENSG00000134575.13	3517
## ENSG00000025434.19	815
## ENSG00000110514.20	4566
## ENSG00000134571.12	67
## ENSG00000165915.14	1255
## ENSG00000165916.9	15574
## ENSG00000149187.19	14170
## ENSG00000213619.11	5931
## ENSG00000110536.14	1031
## ENSG00000123444.14	645
## ENSG00000172247.4	30
## ENSG00000109919.10	16543
## ENSG00000165923.17	30
## ENSG00000109920.13	4517
## ENSG00000200090.1	11
## ENSG00000030066.14	18047
## ENSG00000149177.15	5197
## ENSG00000226268.3	13
## ENSG00000242208.1	27
## ENSG00000238041.3	8
## ENSG00000183908.7	114
## ENSG00000134817.12	76
## ENSG00000149115.14	15143
## ENSG00000149136.9	39358
## ENSG00000109991.10	41
## ENSG00000254979.5	6
## ENSG00000134802.18	3224
## ENSG00000186907.8	966
## ENSG00000149150.9	4071
## ENSG00000134809.9	2109
## ENSG00000156587.16	2882
## ENSG00000240371.1	26
## ENSG00000149131.17	12601
## ENSG00000254602.2	185
## ENSG00000166793.13	104
## ENSG00000172409.7	2546
## ENSG00000156599.11	12433
## ENSG00000156603.20	2047
## ENSG00000288534.1	18
## ENSG00000213593.10	12540
## ENSG00000211450.11	2746
## ENSG00000254732.2	3
## ENSG00000233436.8	4
## ENSG00000198561.16	4836
## ENSG00000290827.1	5
## ENSG00000255146.1	15
## ENSG00000110031.13	324
## ENSG00000186660.15	8531
## ENSG00000269570.2	3
## ENSG00000242689.3	61
## ENSG00000280010.1	37
## ENSG00000149124.11	6
## ENSG00000289621.2	6
## ENSG00000156689.7	395

## ENSG00000290884.1	9
## ENSG00000254717.3	94
## ENSG00000166840.14	1476
## ENSG00000255523.1	12
## ENSG00000255240.6	290
## ENSG00000254877.1	21
## ENSG00000255189.1	16
## ENSG00000254786.1	7
## ENSG00000289635.2	12
## ENSG00000189057.11	2366
## ENSG00000245571.7	616
## ENSG00000166801.17	2502
## ENSG00000110042.8	11365
## ENSG00000287264.1	20
## ENSG00000255139.2	60
## ENSG00000110048.12	10220
## ENSG00000166889.14	6132
## ENSG00000166900.17	26657
## ENSG00000254477.2	80
## ENSG00000234964.4	172
## ENSG00000166902.5	7206
## ENSG00000134812.8	4457
## ENSG00000134827.8	14727
## ENSG00000285231.2	11
## ENSG00000255393.3	11
## ENSG00000149534.9	16
## ENSG00000166959.8	643
## ENSG00000166961.15	3
## ENSG00000110104.13	4936
## ENSG00000183134.5	281
## ENSG00000110107.9	21037
## ENSG00000257052.1	4
## ENSG00000110108.10	7905
## ENSG00000256196.2	11
## ENSG00000006118.15	21205
## ENSG00000110446.12	35
## ENSG00000013725.14	34
## ENSG00000167987.11	2351
## ENSG00000229859.10	6
## ENSG00000256713.8	103
## ENSG00000167992.14	2658
## ENSG00000167986.15	53184
## ENSG00000149476.16	4165
## ENSG00000162144.10	1546
## ENSG00000279246.1	5
## ENSG00000149483.13	1421
## ENSG00000187049.11	1508
## ENSG00000149532.16	9802
## ENSG00000256591.5	73
## ENSG00000167985.7	644
## ENSG00000162148.11	73
## ENSG00000255931.2	21
## ENSG00000204950.4	421
## ENSG00000011347.10	4362

## ENSG00000256443.1	6
## ENSG00000293352.1	38
## ENSG00000255947.1	12
## ENSG00000134780.10	903
## ENSG00000124920.14	16096
## ENSG00000134825.16	8171
## ENSG00000168496.4	7207
## ENSG00000134824.14	81249
## ENSG00000289268.1	501
## ENSG00000149485.19	37863
## ENSG00000221968.9	1233
## ENSG00000167994.13	163
## ENSG00000167995.17	36
## ENSG00000167996.16	23917
## ENSG00000279491.2	13
## ENSG00000149503.13	6681
## ENSG00000289194.1	644
## ENSG00000255118.1	14
## ENSG00000162174.12	5224
## ENSG00000254454.2	50
## ENSG00000124942.14	66420
## ENSG00000257058.1	8
## ENSG00000149016.16	1062
## ENSG00000149480.7	18600
## ENSG00000149499.12	1848
## ENSG00000149489.9	60
## ENSG00000149541.10	4039
## ENSG00000089597.18	111486
## ENSG00000185085.2	3151
## ENSG00000278615.5	24
## ENSG00000162194.13	107
## ENSG00000214756.8	500
## ENSG00000204922.5	106
## ENSG00000162191.14	9993
## ENSG00000168000.16	377
## ENSG00000234857.2	11
## ENSG00000162188.6	130
## ENSG00000214753.4	7725
## ENSG00000162222.14	2536
## ENSG00000185670.9	326
## ENSG00000168002.12	6672
## ENSG00000267811.1	9
## ENSG00000162227.8	1128
## ENSG00000168569.8	1199
## ENSG00000269176.2	39
## ENSG00000185475.11	1246
## ENSG00000162231.14	5638
## ENSG00000162236.13	2917
## ENSG00000256690.1	5
## ENSG00000133316.16	3178
## ENSG00000255717.9	7218
## ENSG00000168003.19	30733
## ENSG00000168539.4	8
## ENSG00000149452.16	29

## ENSG00000168004.10	534
## ENSG00000133317.16	11
## ENSG00000133321.11	164
## ENSG00000133328.4	5
## ENSG00000176485.14	3781
## ENSG00000184743.13	3485
## ENSG00000133318.14	24708
## ENSG00000188070.9	3083
## ENSG00000168005.9	6280
## ENSG00000072518.23	5578
## ENSG00000167771.6	4493
## ENSG00000110583.13	3610
## ENSG00000176340.4	7605
## ENSG00000167770.13	11668
## ENSG00000133315.12	931
## ENSG00000126500.4	14
## ENSG00000288852.1	169
## ENSG00000289486.2	85
## ENSG00000168439.17	36592
## ENSG00000149781.14	20
## ENSG00000149743.14	1462
## ENSG00000149761.9	954
## ENSG00000110011.14	1619
## ENSG00000173511.10	2129
## ENSG00000173486.14	70
## ENSG00000286264.2	26
## ENSG00000173457.11	10514
## ENSG00000256940.4	56
## ENSG00000257086.1	35
## ENSG00000149782.13	4000
## ENSG00000002330.14	2181
## ENSG00000173264.16	2690
## ENSG00000173153.17	1976
## ENSG00000173113.7	8373
## ENSG00000126432.14	15021
## ENSG00000168071.22	121
## ENSG00000162302.13	2217
## ENSG00000181908.5	10
## ENSG00000110076.21	68
## ENSG00000068831.19	14
## ENSG00000068976.14	222
## ENSG00000168066.22	29343
## ENSG00000269038.1	5
## ENSG00000168067.12	1387
## ENSG00000133895.19	6358
## ENSG00000171219.9	3120
## ENSG00000110047.18	11151
## ENSG00000229719.7	5
## ENSG00000110046.14	2788
## ENSG00000068971.14	1146
## ENSG00000149735.7	21
## ENSG00000168062.10	48
## ENSG00000213465.8	4659
## ENSG00000110025.13	26

## ENSG00000168061.17	1198
## ENSG00000168060.16	48
## ENSG00000146670.10	4214
## ENSG00000162300.13	691
## ENSG00000187066.9	6
## ENSG00000149823.10	6680
## ENSG00000149809.17	6183
## ENSG00000174276.7	731
## ENSG00000278952.1	134
## ENSG00000149806.11	27254
## ENSG00000162298.19	3576
## ENSG00000149792.9	6369
## ENSG00000293278.1	34
## ENSG00000254614.2	154
## ENSG00000014216.16	30765
## ENSG00000293475.1	15
## ENSG00000014138.10	614
## ENSG00000285816.1	41
## ENSG00000287917.3	16
## ENSG00000133884.11	6866
## ENSG00000173825.7	209
## ENSG00000255478.1	19
## ENSG00000162241.13	163
## ENSG00000126391.14	2051
## ENSG00000245532.11	1542
## ENSG00000291174.1	72
## ENSG00000251562.11	141
## ENSG00000142186.18	7259
## ENSG00000168056.18	2614
## ENSG00000260233.4	49
## ENSG00000173465.8	1435
## ENSG00000176973.8	681
## ENSG00000173442.13	650
## ENSG00000173338.13	12
## ENSG00000173327.8	4828
## ENSG00000197136.5	7027
## ENSG00000213445.10	920
## ENSG00000173039.20	5162
## ENSG00000285533.4	137
## ENSG00000172977.13	1493
## ENSG00000172922.11	1312
## ENSG00000255557.1	2
## ENSG00000254470.3	4177
## ENSG00000172818.10	978
## ENSG00000255120.5	6
## ENSG00000172757.13	93577
## ENSG00000172803.18	226
## ENSG00000172732.12	2057
## ENSG00000172638.13	4291
## ENSG00000172500.13	6784
## ENSG00000175602.4	1097
## ENSG00000175592.9	968
## ENSG00000175573.7	1599
## ENSG00000175550.8	3399

## ENSG00000175467.15	5711
## ENSG00000175376.9	3237
## ENSG00000175334.8	12140
## ENSG00000175229.7	178
## ENSG00000087365.16	32653
## ENSG00000175115.13	11775
## ENSG00000255320.2	145
## ENSG00000174996.12	5966
## ENSG00000254461.1	16
## ENSG00000174903.16	9425
## ENSG00000245156.1	9
## ENSG00000174871.11	1062
## ENSG00000174851.16	5733
## ENSG00000179292.5	118
## ENSG00000174807.4	62
## ENSG00000174791.11	94
## ENSG00000174744.14	4929
## ENSG00000174684.7	5483
## ENSG00000255468.7	207
## ENSG00000174669.12	3365
## ENSG00000254510.3	35
## ENSG00000174547.13	7086
## ENSG00000174516.15	1144
## ENSG00000255517.8	186
## ENSG00000254986.8	11345
## ENSG00000174483.20	37
## ENSG00000174165.8	1541
## ENSG00000248746.6	20
## ENSG00000174080.12	1193
## ENSG00000182791.5	58
## ENSG00000173992.9	1151
## ENSG00000239306.5	7165
## ENSG00000248643.5	25
## ENSG00000173933.21	1284
## ENSG00000173914.12	2392
## ENSG00000173898.15	8989
## ENSG00000173715.19	1255
## ENSG00000173653.8	1647
## ENSG00000173599.15	1911
## ENSG00000173621.9	1561
## ENSG00000173227.14	14
## ENSG00000173156.7	659
## ENSG00000173120.15	9685
## ENSG00000173020.11	4929
## ENSG00000172932.16	1354
## ENSG00000172830.13	2550
## ENSG00000172613.8	800
## ENSG00000175482.9	231
## ENSG00000175505.11	376
## ENSG00000275484.1	7
## ENSG00000172531.16	15637
## ENSG00000175463.12	13
## ENSG00000172508.11	25
## ENSG00000175634.15	4772

## ENSG00000172725.14	6490
## ENSG00000172663.9	1343
## ENSG00000110711.11	2676
## ENSG00000110697.13	8194
## ENSG00000167797.8	3223
## ENSG00000084207.18	64062
## ENSG00000167792.13	8771
## ENSG00000293486.1	9
## ENSG00000167799.10	158
## ENSG00000167800.10	52
## ENSG00000132744.8	87
## ENSG00000132746.16	18
## ENSG00000239559.2	80
## ENSG00000227620.4	47
## ENSG00000290994.1	853
## ENSG00000160172.11	7
## ENSG00000251637.6	8
## ENSG00000110057.9	1464
## ENSG00000006534.17	281
## ENSG00000255306.1	12
## ENSG00000110717.13	5915
## ENSG00000110719.11	1000
## ENSG00000255031.5	26
## ENSG00000110721.12	3133
## ENSG00000110066.16	3964
## ENSG00000171067.11	4786
## ENSG00000286369.2	17
## ENSG00000162337.12	11437
## ENSG00000110075.15	12044
## ENSG00000069482.7	671
## ENSG00000132749.11	650
## ENSG00000110090.13	104
## ENSG00000250508.1	16
## ENSG00000197345.13	3688
## ENSG00000132740.10	1494
## ENSG00000255741.1	18
## ENSG00000172935.10	63
## ENSG00000162341.18	546
## ENSG00000284713.2	9
## ENSG00000172927.9	26
## ENSG00000255774.2	33
## ENSG00000285094.1	22
## ENSG00000110092.4	52757
## ENSG00000149716.13	756
## ENSG00000162344.4	858
## ENSG00000131620.18	2438
## ENSG00000168040.5	837
## ENSG00000289074.2	43
## ENSG00000131626.19	5706
## ENSG00000255329.1	3
## ENSG00000254604.1	6
## ENSG00000246889.3	49
## ENSG00000085733.16	16420
## ENSG00000162105.21	2193

## ENSG00000172893.18	12532
## ENSG00000254682.2	259
## ENSG00000172890.13	5632
## ENSG00000293546.1	14
## ENSG00000285933.1	5
## ENSG00000291186.1	1201
## ENSG00000254978.2	30
## ENSG00000254469.11	40
## ENSG00000225805.4	18
## ENSG00000228915.3	18
## ENSG00000254593.1	13
## ENSG00000137522.18	2437
## ENSG00000137496.19	264
## ENSG00000137497.19	11155
## ENSG00000251143.1	7
## ENSG00000284922.2	5
## ENSG00000184154.16	345
## ENSG00000149357.10	8484
## ENSG00000110200.9	1773
## ENSG00000110203.10	7
## ENSG00000110195.14	1539
## ENSG00000165458.15	13132
## ENSG00000165462.5	481
## ENSG00000162129.15	2584
## ENSG00000186642.16	218
## ENSG00000186635.16	6204
## ENSG00000286555.1	5
## ENSG00000214530.10	16069
## ENSG00000285693.2	16
## ENSG00000168010.11	209
## ENSG00000137478.15	1699
## ENSG00000234751.1	7
## ENSG00000175591.12	151
## ENSG00000171631.16	1
## ENSG00000257038.1	7
## ENSG00000110237.5	3821
## ENSG00000054967.13	616
## ENSG00000054965.11	4935
## ENSG00000256148.1	22
## ENSG00000021300.14	2721
## ENSG00000175582.20	15882
## ENSG00000175581.14	2651
## ENSG00000181924.7	5392
## ENSG00000175575.13	3213
## ENSG00000187726.9	60
## ENSG00000175567.11	11081
## ENSG00000175564.13	50
## ENSG00000168014.18	4199
## ENSG00000214517.10	7584
## ENSG00000149380.12	4
## ENSG00000165434.8	3449
## ENSG00000175538.11	117
## ENSG00000175536.7	644
## ENSG00000254837.2	207

## ENSG00000077514.9	2971
## ENSG00000054938.17	7
## ENSG00000227615.1	866
## ENSG00000166439.6	2094
## ENSG00000166435.17	305
## ENSG00000293324.1	23
## ENSG00000118363.13	7753
## ENSG00000162139.10	2436
## ENSG00000137491.15	1521
## ENSG00000261594.4	75
## ENSG00000137486.17	3259
## ENSG00000149273.15	203969
## ENSG00000207445.1	5
## ENSG00000149243.17	81
## ENSG00000158555.15	716
## ENSG00000149257.16	37304
## ENSG00000255326.1	21
## ENSG00000171533.12	1492
## ENSG00000255434.1	13
## ENSG00000062282.15	359
## ENSG00000198382.9	1543
## ENSG00000085741.14	643
## ENSG00000255362.1	33
## ENSG00000137492.9	9195
## ENSG00000179240.13	539
## ENSG00000255135.5	494
## ENSG00000158636.17	3095
## ENSG00000137507.11	152
## ENSG00000182704.8	11499
## ENSG00000255100.1	47
## ENSG00000261578.1	653
## ENSG00000078124.13	3784
## ENSG00000198488.10	18
## ENSG00000149260.18	1763
## ENSG00000137474.23	271
## ENSG00000149269.10	11674
## ENSG00000074201.9	14012
## ENSG00000178301.4	165
## ENSG00000048649.14	9527
## ENSG00000227376.1	29
## ENSG00000219529.2	7
## ENSG00000087884.16	697
## ENSG00000149262.19	2551
## ENSG00000151364.17	611
## ENSG00000151366.13	3130
## ENSG00000159063.14	8512
## ENSG00000246174.10	186
## ENSG00000188997.8	895
## ENSG00000118369.13	797
## ENSG00000033327.13	6208
## ENSG00000288538.1	25
## ENSG00000251323.3	10
## ENSG00000137513.11	5005
## ENSG00000149256.16	11950

## ENSG00000254471.1	16
## ENSG00000287912.2	22
## ENSG00000227097.5	805
## ENSG00000182103.5	1453
## ENSG00000255382.2	11
## ENSG00000137509.12	22992
## ENSG00000165490.13	1549
## ENSG00000137502.10	1230
## ENSG00000246067.10	467
## ENSG00000255503.1	6
## ENSG00000279900.1	7
## ENSG00000165494.12	5074
## ENSG00000247137.9	131
## ENSG00000137494.14	1615
## ENSG00000137500.10	5407
## ENSG00000150672.19	823
## ENSG00000213305.3	8
## ENSG00000171204.13	2578
## ENSG00000171202.7	1332
## ENSG00000137504.15	2266
## ENSG00000179071.5	9
## ENSG00000137501.18	501
## ENSG00000073921.18	19471
## ENSG00000074266.23	3127
## ENSG00000288809.1	42
## ENSG00000254783.1	79
## ENSG00000149196.17	3755
## ENSG00000149201.10	59
## ENSG00000278989.1	30
## ENSG00000151376.19	782
## ENSG00000150687.12	29686
## ENSG00000255471.1	171
## ENSG00000280339.1	60
## ENSG00000174804.4	5745
## ENSG00000246523.10	19
## ENSG00000166575.17	4201
## ENSG00000123892.12	2794
## ENSG00000109861.17	39947
## ENSG00000288018.3	42
## ENSG00000086991.13	1508
## ENSG00000168930.13	12
## ENSG00000166013.11	4
## ENSG00000204455.7	3
## ENSG00000225581.3	10
## ENSG00000204449.3	17
## ENSG00000077616.11	1434
## ENSG00000280385.1	592
## ENSG00000110172.12	5962
## ENSG00000280367.1	10
## ENSG00000214391.3	122
## ENSG00000165323.16	2245
## ENSG00000180773.15	4476
## ENSG00000165325.15	409
## ENSG00000166002.7	1683

## ENSG00000234106.3	16
## ENSG00000166004.15	1528
## ENSG00000279696.1	61
## ENSG00000166012.17	5546
## ENSG00000202314.1	5
## ENSG00000182919.15	2279
## ENSG00000042429.12	543
## ENSG00000214376.6	114
## ENSG00000181333.12	82
## ENSG00000110218.9	4086
## ENSG00000250519.7	171
## ENSG00000256745.1	41
## ENSG00000123901.9	156
## ENSG00000020922.13	4859
## ENSG00000255893.1	8
## ENSG00000168876.9	1082
## ENSG00000134627.12	55
## ENSG00000196371.4	1725
## ENSG00000166025.18	13301
## ENSG00000150316.12	4237
## ENSG00000186280.7	198
## ENSG00000235268.2	17
## ENSG00000263465.5	5624
## ENSG00000149218.5	2002
## ENSG00000245552.9	54
## ENSG00000149212.12	11049
## ENSG00000077458.13	1679
## ENSG00000166037.11	4918
## ENSG00000087053.20	8816
## ENSG00000184384.15	1844
## ENSG00000149231.16	1420
## ENSG00000183340.7	1066
## ENSG00000149972.12	575
## ENSG00000255059.1	5
## ENSG00000248027.1	19
## ENSG00000165895.19	5351
## ENSG00000137672.13	8
## ENSG00000110318.15	312
## ENSG00000137691.13	137
## ENSG00000277459.1	64
## ENSG00000137693.14	37517
## ENSG00000023445.17	327
## ENSG00000288833.2	21
## ENSG00000110330.10	5919
## ENSG00000152558.15	58203
## ENSG00000255337.1	73
## ENSG00000137673.9	5
## ENSG00000293047.1	18
## ENSG00000225678.3	7
## ENSG00000166670.10	569
## ENSG00000196611.6	22442
## ENSG00000149968.12	10
## ENSG00000262406.3	52
## ENSG00000137692.12	5700

## ENSG00000187240.17	1865
## ENSG00000170962.13	1583
## ENSG00000196954.14	72
## ENSG00000137752.25	21
## ENSG00000204397.10	11
## ENSG00000152578.15	197
## ENSG00000285813.1	57
## ENSG00000170903.12	4328
## ENSG00000182359.15	508
## ENSG00000149313.11	9603
## ENSG00000254433.1	20
## ENSG00000290498.1	18
## ENSG00000255065.1	31
## ENSG00000152402.11	9008
## ENSG00000261098.1	191
## ENSG00000152404.16	1813
## ENSG00000137760.15	1185
## ENSG00000110675.13	38
## ENSG00000170290.4	26
## ENSG00000110660.15	6392
## ENSG00000179331.3	200
## ENSG00000288012.2	5
## ENSG00000166266.14	4340
## ENSG00000075239.14	5425
## ENSG00000149308.17	2709
## ENSG00000149311.21	4151
## ENSG00000166323.13	45
## ENSG00000178202.14	5248
## ENSG00000110723.12	1969
## ENSG00000178105.12	5957
## ENSG00000185742.7	232
## ENSG00000137710.17	25423
## ENSG00000149289.11	1645
## ENSG00000254416.6	156
## ENSG00000137714.3	2740
## ENSG00000137727.13	26
## ENSG00000271584.2	20
## ENSG00000150750.9	6
## ENSG00000196167.10	59
## ENSG00000214290.9	50
## ENSG00000110777.12	57
## ENSG00000204381.12	142
## ENSG00000170145.5	8397
## ENSG00000137713.16	15822
## ENSG00000086848.15	1091
## ENSG00000255561.7	199
## ENSG00000137720.8	1708
## ENSG00000109846.9	43
## ENSG00000150764.14	6475
## ENSG00000150768.18	15252
## ENSG00000150773.12	180
## ENSG00000150776.18	7469
## ENSG00000150779.12	4947
## ENSG00000204370.13	4683

## ENSG00000150782.12	1361
## ENSG00000197580.13	86
## ENSG00000150787.8	1255
## ENSG00000250303.6	27
## ENSG00000254968.8	5
## ENSG00000247416.5	15
## ENSG00000149294.18	2205
## ENSG00000149292.17	1264
## ENSG00000270179.1	66
## ENSG00000149295.14	82
## ENSG00000166682.13	26
## ENSG00000086827.9	3782
## ENSG00000048028.12	4459
## ENSG00000109906.15	2546
## ENSG00000166741.9	311
## ENSG00000180425.11	343
## ENSG00000076053.12	4604
## ENSG00000076043.11	3466
## ENSG00000204361.10	5
## ENSG00000182985.19	10865
## ENSG00000246100.5	40
## ENSG00000137656.12	2840
## ENSG00000109917.11	6500
## ENSG00000110243.12	5
## ENSG00000110244.7	21
## ENSG00000110245.12	100
## ENSG00000118137.10	13238
## ENSG00000235910.2	3
## ENSG00000160584.17	4836
## ENSG00000234268.1	41
## ENSG00000168092.14	17454
## ENSG00000149577.17	4106
## ENSG00000149591.17	35288
## ENSG00000160613.15	2372
## ENSG00000167257.11	2729
## ENSG00000186318.18	3292
## ENSG00000278768.4	226
## ENSG00000110274.16	2636
## ENSG00000177103.15	560
## ENSG00000137731.14	14
## ENSG00000254528.7	46
## ENSG00000137726.17	2461
## ENSG00000137747.16	529
## ENSG00000110324.12	31
## ENSG00000255274.10	12
## ENSG00000137648.19	564
## ENSG00000177098.9	216
## ENSG00000149575.9	46
## ENSG00000160593.20	83
## ENSG00000160588.10	1881
## ENSG00000149573.9	3044
## ENSG00000280032.1	3
## ENSG00000198851.10	10
## ENSG00000167286.11	50

## ENSG00000160654.11	4
## ENSG00000110344.10	5934
## ENSG00000167283.9	4416
## ENSG00000118058.25	6452
## ENSG00000255435.7	9
## ENSG00000172425.12	25
## ENSG00000149582.16	1443
## ENSG00000118096.10	1525
## ENSG00000243431.1	35
## ENSG00000095139.15	24004
## ENSG00000019144.20	5312
## ENSG00000287238.1	20
## ENSG00000110367.14	27361
## ENSG00000278376.2	52
## ENSG00000186174.13	6640
## ENSG00000110375.3	24
## ENSG00000280502.1	21
## ENSG00000255121.2	198
## ENSG00000186166.9	603
## ENSG00000240970.1	24
## ENSG00000254428.1	38
## ENSG00000254909.1	22
## ENSG00000118181.11	60323
## ENSG00000196655.12	3403
## ENSG00000137700.19	6624
## ENSG00000149428.21	57405
## ENSG00000272186.1	3
## ENSG00000160695.16	3529
## ENSG00000256269.11	3839
## ENSG00000188486.4	8053
## ENSG00000172269.20	4532
## ENSG00000172375.14	741
## ENSG00000172273.13	2054
## ENSG00000172350.10	28
## ENSG00000160703.17	1335
## ENSG00000172367.16	32
## ENSG00000248712.8	54
## ENSG00000110395.8	5060
## ENSG00000076706.17	1681
## ENSG00000173456.5	8185
## ENSG00000036672.16	1012
## ENSG00000245248.10	160
## ENSG00000154096.14	119
## ENSG00000289553.1	21
## ENSG00000230716.3	5
## ENSG00000110400.11	10305
## ENSG00000254854.1	7
## ENSG00000288047.3	8
## ENSG00000137699.17	23
## ENSG00000184232.9	1301
## ENSG00000137709.10	12
## ENSG00000181264.9	1213
## ENSG00000196914.9	15883
## ENSG00000149403.13	194

## ENSG00000154114.13	2024
## ENSG00000285509.1	23
## ENSG00000109927.11	159
## ENSG00000109929.10	11113
## ENSG00000232460.4	17
## ENSG00000137642.13	3263
## ENSG00000255248.11	32
## ENSG00000154127.10	3768
## ENSG00000109944.11	329
## ENSG00000109971.14	220255
## ENSG00000288061.3	6
## ENSG00000166250.12	1268
## ENSG00000023171.20	316
## ENSG00000254449.1	5
## ENSG00000166257.10	904
## ENSG00000166261.11	2035
## ENSG00000181518.4	5
## ENSG00000181499.3	13
## ENSG00000254737.3	12
## ENSG00000110002.16	2334
## ENSG00000154144.13	2294
## ENSG00000110013.13	3458
## ENSG00000064199.7	1482
## ENSG00000154146.13	143
## ENSG00000019102.12	182
## ENSG00000149564.12	58
## ENSG00000250073.4	21
## ENSG00000120458.13	1034
## ENSG00000279342.2	39
## ENSG00000245498.7	232
## ENSG00000154134.15	116
## ENSG00000285825.2	121
## ENSG00000149548.15	253
## ENSG00000134955.12	66
## ENSG00000150433.10	1053
## ENSG00000289631.1	5
## ENSG00000293069.1	8
## ENSG00000254880.1	7
## ENSG00000165495.16	1285
## ENSG00000149557.14	626
## ENSG00000149547.15	21574
## ENSG00000134910.14	28701
## ENSG00000149554.15	5436
## ENSG00000134940.14	33
## ENSG00000198331.11	1119
## ENSG00000110060.9	2331
## ENSG00000109832.14	275
## ENSG00000064309.16	1228
## ENSG00000254759.1	55
## ENSG00000165526.9	3745
## ENSG00000254694.1	2
## ENSG00000197798.9	4147
## ENSG00000182934.12	12579
## ENSG00000110074.12	3388

## ENSG00000150455.15	743
## ENSG00000255062.2	72
## ENSG00000110063.10	1821
## ENSG00000280832.3	250
## ENSG00000110080.20	748
## ENSG00000149571.12	28
## ENSG00000254612.2	108
## ENSG00000134954.14	1127
## ENSG00000151702.18	23
## ENSG00000151704.16	7
## ENSG00000120457.12	917
## ENSG00000174370.12	62
## ENSG00000120471.16	9
## ENSG00000134909.19	3266
## ENSG00000043039.7	414
## ENSG00000151715.8	295
## ENSG00000289223.1	77
## ENSG00000170322.15	4664
## ENSG00000170325.16	1935
## ENSG00000084234.18	108192
## ENSG00000149418.11	15416
## ENSG00000196323.14	4132
## ENSG00000175773.15	4
## ENSG00000134917.10	46
## ENSG00000166106.4	177
## ENSG00000120451.11	7911
## ENSG00000182667.15	294
## ENSG00000183715.15	907
## ENSG00000279711.1	24
## ENSG00000080854.16	1588
## ENSG00000255406.3	25
## ENSG00000204241.9	14
## ENSG00000166086.13	1673
## ENSG00000151503.14	4560
## ENSG00000151502.11	6693
## ENSG00000151500.15	6061
## ENSG00000151498.12	1828
## ENSG00000149328.16	1992
## ENSG00000109956.13	1151
## ENSG00000255545.8	15
## ENSG00000251226.2	80
## ENSG00000285735.2	7
## ENSG00000226210.3	1342
## ENSG00000120645.12	68
## ENSG00000249695.6	6
## ENSG00000111181.13	103
## ENSG00000010379.16	11
## ENSG00000261799.1	314
## ENSG00000073614.13	7241
## ENSG00000120647.10	2326
## ENSG00000139044.12	11563
## ENSG00000171840.13	20
## ENSG00000177406.5	335
## ENSG00000060237.19	20653

## ENSG00000002016.18	633
## ENSG00000250132.6	430
## ENSG00000082805.21	7213
## ENSG00000111186.13	657
## ENSG00000171823.7	958
## ENSG00000006831.10	8732
## ENSG00000243663.1	9
## ENSG00000151062.15	11
## ENSG00000166159.11	14
## ENSG00000151065.14	1966
## ENSG00000151067.23	274
## ENSG00000256271.1	63
## ENSG00000246627.6	21
## ENSG00000274659.4	7
## ENSG00000004478.8	26091
## ENSG00000111203.13	1039
## ENSG00000288984.1	10
## ENSG00000053702.15	58
## ENSG00000283297.2	3
## ENSG00000111206.13	8340
## ENSG00000171792.11	4147
## ENSG00000078246.17	2928
## ENSG00000278356.1	15
## ENSG00000197905.10	1584
## ENSG00000250899.3	787
## ENSG00000234589.4	104
## ENSG00000011105.14	2876
## ENSG00000227081.5	420
## ENSG00000291189.1	11
## ENSG00000111218.12	8
## ENSG00000130038.10	228
## ENSG00000280202.1	48
## ENSG00000111224.14	1257
## ENSG00000118976.5	8
## ENSG00000256862.5	5
## ENSG00000256356.1	40
## ENSG00000255920.4	35
## ENSG00000118971.9	23331
## ENSG00000078237.7	1743
## ENSG00000118972.3	20
## ENSG00000047621.12	1443
## ENSG00000111247.15	2029
## ENSG00000010219.14	880
## ENSG00000111254.8	75
## ENSG00000139180.11	1604
## ENSG00000255639.3	4
## ENSG00000130035.9	233
## ENSG00000256988.2	48
## ENSG00000151079.8	601
## ENSG00000130037.5	16
## ENSG00000256115.6	7
## ENSG00000256417.1	16
## ENSG00000256146.1	9
## ENSG00000256218.1	42

## ENSG00000185652.12	2054
## ENSG00000047617.18	23
## ENSG00000110799.14	33
## ENSG00000010278.15	11295
## ENSG00000008323.16	3051
## ENSG00000067182.9	6710
## ENSG00000111319.13	18350
## ENSG00000111321.11	825
## ENSG00000213942.3	33
## ENSG00000215039.9	263
## ENSG00000139192.12	32
## ENSG00000139190.17	119
## ENSG00000256913.1	5
## ENSG00000111639.8	11144
## ENSG00000010292.13	23165
## ENSG00000255966.1	7
## ENSG00000111640.15	328105
## ENSG00000010295.20	419
## ENSG00000111641.13	157
## ENSG00000111642.16	3287
## ENSG00000184574.10	36
## ENSG00000111644.8	44
## ENSG00000111653.20	1599
## ENSG00000219410.7	16
## ENSG00000126746.19	3715
## ENSG00000139200.14	166
## ENSG00000111652.10	1994
## ENSG00000269892.1	4
## ENSG00000089693.11	19629
## ENSG00000159335.19	29583
## ENSG00000089692.9	11
## ENSG00000010610.10	128
## ENSG00000250510.8	274
## ENSG00000110811.20	4006
## ENSG00000111664.11	45
## ENSG00000111665.12	2205
## ENSG00000111667.14	14619
## ENSG00000111669.15	83490
## ENSG00000111671.10	424
## ENSG00000293161.1	71
## ENSG00000010626.15	532
## ENSG00000290712.1	142
## ENSG00000275703.1	7
## ENSG00000111674.9	2814
## ENSG00000111676.15	10039
## ENSG00000111678.11	1895
## ENSG00000272173.2	15
## ENSG00000111679.17	1975
## ENSG00000257084.2	33
## ENSG00000215021.10	32985
## ENSG00000126749.17	1326
## ENSG00000290146.1	12
## ENSG00000111684.11	2159
## ENSG00000182326.17	109

## ENSG00000159403.18	452
## ENSG00000139178.12	3455
## ENSG00000205885.8	118
## ENSG00000139194.8	54
## ENSG00000256967.1	33
## ENSG00000139182.15	7475
## ENSG00000139197.11	5081
## ENSG00000177675.9	5
## ENSG00000255836.1	37
## ENSG00000177575.13	60
## ENSG00000173262.12	52
## ENSG00000059804.17	10359
## ENSG00000255964.1	5
## ENSG00000065970.9	2315
## ENSG00000089818.18	2184
## ENSG00000279865.1	58
## ENSG00000226711.9	158
## ENSG00000275367.1	29
## ENSG00000171847.11	6
## ENSG00000254016.3	9
## ENSG00000164845.17	66
## ENSG00000215241.4	30
## ENSG00000286895.1	42
## ENSG00000226091.7	19
## ENSG00000243830.2	7
## ENSG00000166523.8	12
## ENSG00000255967.1	11
## ENSG00000197614.11	24
## ENSG00000166532.16	2228
## ENSG00000249790.3	1225
## ENSG00000111752.11	2829
## ENSG00000003056.8	8873
## ENSG00000139187.10	149
## ENSG00000245105.4	20
## ENSG00000175899.15	2835
## ENSG00000283429.1	19
## ENSG00000231503.4	84
## ENSG00000237248.6	15
## ENSG00000111788.10	169
## ENSG00000260423.2	6
## ENSG00000256673.1	9
## ENSG00000278635.1	6
## ENSG00000214826.5	155
## ENSG00000284634.1	16
## ENSG00000291107.1	46
## ENSG00000257027.1	151
## ENSG00000069493.15	115
## ENSG00000150045.12	6
## ENSG00000173391.9	93
## ENSG00000165685.9	14
## ENSG00000139112.11	6948
## ENSG00000134539.17	8
## ENSG00000245648.2	294
## ENSG00000213809.9	6

## ENSG00000180574.4	81
## ENSG00000290537.1	55
## ENSG00000111196.10	2075
## ENSG00000060140.9	46
## ENSG00000060138.13	23746
## ENSG00000231887.9	23
## ENSG00000121318.3	5
## ENSG00000111215.12	14
## ENSG00000275778.3	17
## ENSG00000212127.6	26
## ENSG00000212125.2	17
## ENSG00000255837.2	39
## ENSG00000212124.2	10
## ENSG00000256436.1	12
## ENSG00000256537.5	3438
## ENSG00000197870.14	20
## ENSG00000247157.7	27
## ENSG00000139083.11	2621
## ENSG00000121380.12	144
## ENSG00000198134.3	117
## ENSG00000283475.1	8
## ENSG00000070018.9	10729
## ENSG00000111261.14	2110
## ENSG00000205791.4	26
## ENSG00000165714.11	1095
## ENSG00000111266.9	13355
## ENSG00000290048.1	18
## ENSG00000111269.3	1853
## ENSG00000183150.8	56
## ENSG00000111276.12	1808
## ENSG00000178878.13	104
## ENSG00000213782.7	42
## ENSG00000241352.3	48
## ENSG00000234498.3	71
## ENSG00000013588.10	13361
## ENSG00000247498.11	150
## ENSG00000111291.9	6
## ENSG00000013583.10	9413
## ENSG00000293237.1	114
## ENSG00000084444.14	2199
## ENSG00000111305.19	268
## ENSG00000134531.10	31
## ENSG00000180861.9	69
## ENSG00000273079.7	66
## ENSG00000171681.13	18448
## ENSG00000121316.11	2076
## ENSG00000256751.6	132
## ENSG00000070019.5	749
## ENSG00000214772.2	5
## ENSG00000261324.2	29
## ENSG00000197837.4	33
## ENSG00000289909.1	10
## ENSG00000246705.5	1933
## ENSG00000084463.8	14673

## ENSG00000182993.5	303
## ENSG00000111339.12	4
## ENSG00000111341.10	13
## ENSG00000139055.7	1121
## ENSG00000111348.9	736
## ENSG00000134533.6	612
## ENSG00000151490.15	31
## ENSG00000151491.14	965
## ENSG00000023734.11	30728
## ENSG00000023697.13	3285
## ENSG00000008394.13	11906
## ENSG00000256238.1	171
## ENSG00000048540.16	120
## ENSG00000256211.1	8
## ENSG00000213235.3	84
## ENSG00000139144.11	8
## ENSG00000227525.4	16
## ENSG00000052126.17	4208
## ENSG00000139154.16	2798
## ENSG00000255909.1	8
## ENSG00000245205.3	421
## ENSG00000287074.1	3
## ENSG00000255910.2	20
## ENSG00000256849.1	15
## ENSG00000256879.1	24
## ENSG00000172572.7	38565
## ENSG00000256663.1	170
## ENSG00000139155.9	28
## ENSG00000111700.13	3
## ENSG00000134538.3	9
## ENSG00000084453.17	145
## ENSG00000121351.8	54
## ENSG00000121350.16	754
## ENSG00000004700.16	2292
## ENSG00000111711.10	4546
## ENSG00000134548.11	113
## ENSG00000111716.14	9039
## ENSG00000121361.5	1392
## ENSG00000069431.14	154
## ENSG00000111726.13	3562
## ENSG00000111728.11	236
## ENSG00000111731.13	6938
## ENSG00000256973.1	2
## ENSG00000257023.1	28
## ENSG00000139163.16	11939
## ENSG00000256995.8	10
## ENSG00000134532.20	1176
## ENSG00000060982.15	8047
## ENSG00000255921.1	4
## ENSG00000118308.16	116
## ENSG00000118307.20	25
## ENSG00000205707.11	377
## ENSG00000133703.14	8887
## ENSG00000255725.2	12

## ENSG00000246695.9	146
## ENSG00000123094.16	1242
## ENSG00000123095.6	59
## ENSG00000123096.12	184
## ENSG00000256894.1	10
## ENSG00000123104.12	1743
## ENSG00000064102.15	4156
## ENSG00000111790.14	1783
## ENSG00000064115.11	7992
## ENSG00000247903.1	23
## ENSG00000152944.9	3098
## ENSG00000275764.1	388
## ENSG00000256625.1	5
## ENSG00000211455.8	8115
## ENSG00000029153.15	3179
## ENSG00000288971.1	14
## ENSG00000165935.10	9
## ENSG00000110841.14	4486
## ENSG00000256377.6	10
## ENSG00000174236.4	12
## ENSG00000276261.1	11
## ENSG00000061794.13	9867
## ENSG00000087448.11	2793
## ENSG00000087494.16	723
## ENSG00000123106.11	2321
## ENSG00000247934.4	99
## ENSG00000064763.12	1062
## ENSG00000257176.3	39
## ENSG00000274315.1	17
## ENSG00000087502.19	3311
## ENSG00000257599.5	30
## ENSG00000133687.16	1020
## ENSG00000133704.10	9244
## ENSG00000110888.19	2347
## ENSG00000285517.1	223
## ENSG00000110900.16	2665
## ENSG00000290531.1	16
## ENSG00000245614.6	70
## ENSG00000013573.17	2012
## ENSG00000291250.1	15
## ENSG00000243517.1	98
## ENSG00000275097.1	11
## ENSG00000139146.14	34930
## ENSG00000177340.5	29
## ENSG00000256232.1	189
## ENSG00000170456.16	3471
## ENSG00000275769.1	6
## ENSG00000233381.4	10
## ENSG00000139160.13	98
## ENSG00000151743.11	646
## ENSG00000276900.1	59
## ENSG00000188375.5	41
## ENSG00000255760.4	32
## ENSG00000174718.12	25439

## ENSG00000276136.1	34
## ENSG00000151746.15	3312
## ENSG00000277342.1	17
## ENSG00000274964.1	175
## ENSG00000276115.1	25
## ENSG00000139132.16	3099
## ENSG00000087470.21	13483
## ENSG00000276148.1	12
## ENSG00000257511.1	70
## ENSG00000139131.13	3451
## ENSG00000274105.1	8
## ENSG00000275854.1	41
## ENSG00000057294.18	23398
## ENSG00000257316.1	19
## ENSG00000110975.8	473
## ENSG00000259937.2	14
## ENSG00000273853.1	1
## ENSG00000139133.7	638
## ENSG00000256538.2	9
## ENSG00000175548.9	1306
## ENSG00000139117.14	652
## ENSG00000257718.1	11
## ENSG00000139116.19	7725
## ENSG00000173208.4	17
## ENSG00000151229.13	834
## ENSG00000188906.17	26
## ENSG00000205592.16	128
## ENSG00000018236.15	438
## ENSG00000165966.16	3
## ENSG00000286591.1	21
## ENSG00000151233.11	5757
## ENSG00000015153.15	1273
## ENSG00000134283.18	5789
## ENSG00000257674.1	12
## ENSG00000139168.9	3832
## ENSG00000274943.1	48
## ENSG00000257376.1	8
## ENSG00000139174.12	1425
## ENSG00000173157.18	45
## ENSG00000257907.2	3
## ENSG00000129317.15	3551
## ENSG00000198001.16	1148
## ENSG00000151239.14	9951
## ENSG00000139173.10	963
## ENSG00000184613.11	1954
## ENSG00000293316.1	109
## ENSG00000134297.9	6
## ENSG00000177119.17	11225
## ENSG00000273015.3	876
## ENSG00000289229.1	3
## ENSG00000189079.18	6628
## ENSG00000139218.18	15574
## ENSG00000289046.1	37
## ENSG00000111371.16	33622

## ENSG00000134294.14	25552
## ENSG00000257261.7	91
## ENSG00000275481.1	7
## ENSG00000272369.1	7
## ENSG00000139209.16	633
## ENSG00000139211.7	1028
## ENSG00000179715.13	121
## ENSG00000005175.10	4935
## ENSG00000276390.1	24
## ENSG00000257433.8	48
## ENSG00000280054.1	10
## ENSG00000274902.1	4
## ENSG00000079337.16	49
## ENSG00000211584.14	1492
## ENSG00000061273.18	6085
## ENSG00000274737.1	12
## ENSG00000111424.12	52
## ENSG00000278385.1	25
## ENSG00000134291.12	7328
## ENSG00000139219.19	152156
## ENSG00000258203.5	6
## ENSG00000079387.15	3460
## ENSG00000152556.17	9980
## ENSG00000177981.11	1381
## ENSG00000177875.5	90
## ENSG00000269514.3	5
## ENSG00000167528.13	1917
## ENSG00000139620.13	2883
## ENSG00000129315.12	7035
## ENSG00000257987.6	58
## ENSG00000174233.12	7192
## ENSG00000257660.5	37
## ENSG00000167535.8	3366
## ENSG00000174243.11	13945
## ENSG00000172602.11	737
## ENSG00000239617.1	5
## ENSG00000272822.2	11
## ENSG00000139537.11	407
## ENSG00000134285.11	3342
## ENSG00000134287.10	25804
## ENSG00000169884.14	83
## ENSG00000181418.8	116
## ENSG00000257913.4	59
## ENSG00000181929.13	23
## ENSG00000167548.18	7948
## ENSG00000167550.11	42
## ENSG00000139636.16	2191
## ENSG00000123416.15	78700
## ENSG00000258017.3	10
## ENSG00000167552.15	154792
## ENSG00000167553.17	38343
## ENSG00000258101.2	22
## ENSG00000258334.1	13
## ENSG00000135406.15	155

## ENSG00000135451.13	2570
## ENSG00000186897.5	20
## ENSG00000178401.16	2135
## ENSG00000123352.18	6687
## ENSG00000257954.1	5
## ENSG00000135519.8	766
## ENSG00000187778.14	8110
## ENSG00000110844.14	517
## ENSG00000135436.8	12
## ENSG00000161791.14	631
## ENSG00000139644.13	83729
## ENSG00000167566.17	3984
## ENSG00000258057.6	43
## ENSG00000186666.6	497
## ENSG00000135472.9	16
## ENSG00000167580.8	9
## ENSG00000161798.7	33
## ENSG00000161800.13	7038
## ENSG00000110881.12	2641
## ENSG00000066117.15	16169
## ENSG00000167588.13	349
## ENSG00000178449.9	1272
## ENSG00000272368.2	13
## ENSG00000139624.14	4624
## ENSG00000050405.14	8878
## ENSG00000257298.1	1
## ENSG00000161813.23	9292
## ENSG00000066084.13	8015
## ENSG00000123268.9	1911
## ENSG00000185432.12	1470
## ENSG00000110911.17	4280
## ENSG00000050426.16	3205
## ENSG00000110925.7	4541
## ENSG00000135457.11	6099
## ENSG00000184271.18	451
## ENSG00000278126.1	82
## ENSG00000183283.16	12700
## ENSG00000170545.17	2565
## ENSG00000139610.2	8
## ENSG00000139629.16	1077
## ENSG00000050438.17	2790
## ENSG00000196876.19	748
## ENSG00000257851.2	44
## ENSG00000284730.2	5
## ENSG00000260473.2	33
## ENSG00000261308.4	2564
## ENSG00000259887.1	9
## ENSG00000167612.13	34
## ENSG00000139567.13	38
## ENSG00000135503.13	10092
## ENSG00000161835.11	171
## ENSG00000123358.20	1313
## ENSG00000123395.15	1743
## ENSG00000167767.14	49

## ENSG00000135480.17	1731
## ENSG00000257671.1	7
## ENSG00000170442.12	3
## ENSG00000170477.13	257
## ENSG00000170421.13	399307
## ENSG00000111057.11	158940
## ENSG00000063046.18	86089
## ENSG00000257337.9	205
## ENSG00000111077.18	109
## ENSG00000167778.9	2902
## ENSG00000167779.9	2219
## ENSG00000167780.12	107
## ENSG00000258016.1	26
## ENSG00000257790.1	32
## ENSG00000139631.20	181
## ENSG00000139651.11	6199
## ENSG00000139626.16	14
## ENSG00000172819.17	780
## ENSG00000182544.9	2347
## ENSG00000135476.12	3936
## ENSG00000123349.15	100
## ENSG00000288663.1	20
## ENSG00000257605.4	11
## ENSG00000139637.14	52
## ENSG00000094914.14	6358
## ENSG00000185591.10	11155
## ENSG00000135409.11	1491
## ENSG00000205352.11	6504
## ENSG00000197111.16	29384
## ENSG00000139625.13	994
## ENSG00000270175.2	84
## ENSG00000139546.12	3303
## ENSG00000139574.9	8
## ENSG00000170653.19	2675
## ENSG00000135390.21	22514
## ENSG00000012822.16	2513
## ENSG00000286069.2	52
## ENSG00000260492.3	15
## ENSG00000197757.8	1
## ENSG00000037965.6	1
## ENSG00000198353.8	1404
## ENSG00000172789.4	59
## ENSG00000248265.2	127
## ENSG00000291180.1	55
## ENSG00000249388.3	12
## ENSG00000250432.5	69
## ENSG00000123415.16	3208
## ENSG00000250742.6	14784
## ENSG00000260470.1	2
## ENSG00000094916.16	33634
## ENSG00000289154.2	26
## ENSG00000135486.19	272919
## ENSG00000123405.14	65
## ENSG00000111481.10	19700

## ENSG00000161642.18	3005
## ENSG00000161638.11	7395
## ENSG00000123360.12	36
## ENSG00000135447.17	5812
## ENSG00000123307.4	265
## ENSG00000179899.8	260
## ENSG00000170439.8	511
## ENSG00000135424.19	1129
## ENSG00000258311.5	53
## ENSG00000135441.8	773
## ENSG00000135437.10	61
## ENSG00000135404.12	27286
## ENSG00000258056.3	462
## ENSG00000135414.10	6541
## ENSG00000205323.9	39
## ENSG00000257390.5	7
## ENSG00000257509.1	4
## ENSG00000123353.10	1852
## ENSG00000135392.19	2860
## ENSG00000293491.1	384
## ENSG00000182796.17	44
## ENSG00000123342.16	56
## ENSG00000170473.17	3810
## ENSG00000065357.20	758
## ENSG00000185664.15	260
## ENSG00000123374.11	5499
## ENSG00000111540.16	14708
## ENSG00000237493.3	18
## ENSG00000139531.13	1808
## ENSG00000123411.15	1136
## ENSG00000197728.11	11452
## ENSG00000065361.17	10680
## ENSG00000170515.14	23959
## ENSG00000229117.9	71939
## ENSG00000139641.13	27701
## ENSG00000135482.7	907
## ENSG00000258317.1	7
## ENSG00000196465.11	10114
## ENSG00000092841.19	102435
## ENSG00000139613.12	8348
## ENSG00000181852.18	7150
## ENSG00000139579.13	3410
## ENSG00000139540.12	1321
## ENSG00000139645.11	14772
## ENSG00000135469.14	1615
## ENSG00000062485.19	30063
## ENSG00000144785.8	3
## ENSG00000257303.4	37
## ENSG00000257740.1	53
## ENSG00000257727.6	1228
## ENSG00000135473.16	1685
## ENSG00000110944.9	127
## ENSG00000170581.15	2949
## ENSG00000276272.1	26

## ENSG00000274569.1	24
## ENSG00000111602.12	8332
## ENSG00000176422.14	900
## ENSG00000135423.13	85
## ENSG00000257576.1	87
## ENSG00000076067.14	5461
## ENSG00000076108.12	16056
## ENSG00000110955.9	112872
## ENSG00000110958.16	57119
## ENSG00000196531.14	59098
## ENSG00000285625.1	6
## ENSG00000198056.16	2282
## ENSG00000025423.11	106
## ENSG00000139547.8	17
## ENSG00000166856.3	8
## ENSG00000166860.3	3902
## ENSG00000166863.13	311
## ENSG00000166866.13	228
## ENSG00000166881.10	4838
## ENSG00000166886.13	2125
## ENSG00000166888.12	4861
## ENSG00000123384.14	27284
## ENSG00000182379.10	424
## ENSG00000182199.11	25415
## ENSG00000185633.11	25
## ENSG00000185482.8	36
## ENSG00000179912.21	1868
## ENSG00000175189.4	7
## ENSG00000139269.3	134
## ENSG00000287200.1	21
## ENSG00000111087.10	40
## ENSG00000123329.20	35
## ENSG00000166986.15	24744
## ENSG00000175197.13	657
## ENSG00000166987.15	2786
## ENSG00000175203.17	18193
## ENSG00000155980.13	481
## ENSG00000166908.18	5103
## ENSG00000178498.16	1803
## ENSG00000240771.8	272
## ENSG00000224713.4	9
## ENSG00000135454.14	67
## ENSG00000135506.17	17121
## ENSG00000135439.12	30
## ENSG00000135452.10	2334
## ENSG00000135446.17	24317
## ENSG00000139266.6	2085
## ENSG00000111012.11	43
## ENSG00000037897.17	1747
## ENSG00000123427.17	397
## ENSG00000257921.6	3
## ENSG00000123297.20	76
## ENSG00000135407.11	170
## ENSG00000270039.1	38

## ENSG00000269903.1	6
## ENSG00000175215.11	13954
## ENSG00000257953.1	10
## ENSG00000166896.9	480
## ENSG00000257698.3	251
## ENSG00000139263.12	6969
## ENSG00000257443.2	6
## ENSG00000118596.12	1015
## ENSG00000198673.11	790
## ENSG00000213363.4	18
## ENSG00000135655.16	4240
## ENSG00000061987.16	3026
## ENSG00000221949.6	14
## ENSG00000257354.2	170
## ENSG00000275180.2	38
## ENSG00000111110.12	5725
## ENSG00000213352.3	6
## ENSG00000139239.7	708
## ENSG00000166148.4	48
## ENSG00000177990.12	74
## ENSG00000118600.13	937
## ENSG00000255642.1	105
## ENSG00000196935.10	2131
## ENSG00000174206.13	823
## ENSG00000293269.1	15
## ENSG00000185306.13	56
## ENSG00000184575.12	17628
## ENSG00000255566.1	5
## ENSG00000183735.11	2481
## ENSG00000153179.14	1978
## ENSG00000135677.11	23586
## ENSG00000111490.15	55
## ENSG00000156076.10	74
## ENSG00000174106.3	3640
## ENSG00000174099.12	569
## ENSG00000293176.1	10
## ENSG00000149948.14	48069
## ENSG00000277945.1	5
## ENSG00000197301.7	26
## ENSG00000256083.1	6
## ENSG00000139233.7	2697
## ENSG00000155957.19	392
## ENSG00000090376.11	37
## ENSG00000225422.4	15
## ENSG00000127311.10	210
## ENSG00000155974.14	1314
## ENSG00000111530.13	29451
## ENSG00000286563.1	7
## ENSG00000127334.11	7393
## ENSG00000255970.1	11
## ENSG00000111554.15	600
## ENSG00000251301.8	10
## ENSG00000240087.3	90
## ENSG00000127314.18	8860

## ENSG00000234925.2	15
## ENSG00000247363.3	25
## ENSG00000111581.10	7380
## ENSG00000233560.2	4
## ENSG00000175782.11	1213
## ENSG00000135679.27	23819
## ENSG00000135678.12	20973
## ENSG00000111605.18	12413
## ENSG00000274979.1	246
## ENSG00000090382.7	6859
## ENSG00000127337.7	2875
## ENSG00000166225.9	4135
## ENSG00000166226.13	51185
## ENSG00000127328.22	2955
## ENSG00000166268.11	10
## ENSG00000257815.9	104
## ENSG00000111596.14	9652
## ENSG00000279530.2	18
## ENSG00000135643.5	2094
## ENSG00000127329.16	77
## ENSG00000153233.13	49
## ENSG00000127324.9	332
## ENSG00000139292.13	15
## ENSG00000133858.17	3520
## ENSG00000173451.7	1009
## ENSG00000139291.14	1911
## ENSG00000080371.6	5882
## ENSG00000121749.16	2920
## ENSG00000072657.10	319
## ENSG00000236333.4	57
## ENSG00000251138.7	5
## ENSG00000253719.4	31289
## ENSG00000180881.21	204
## ENSG00000273987.1	4
## ENSG00000173401.10	9
## ENSG00000180481.11	23
## ENSG00000139278.10	357
## ENSG00000257497.2	91
## ENSG00000111615.14	6980
## ENSG00000286259.1	10
## ENSG00000258245.1	11
## ENSG00000258088.1	9
## ENSG00000139289.15	26184
## ENSG00000257839.1	48
## ENSG00000187109.15	126282
## ENSG00000179941.9	1793
## ENSG00000091039.17	11319
## ENSG00000257526.3	18
## ENSG00000243071.1	11
## ENSG00000186908.15	2972
## ENSG00000175183.10	7009
## ENSG00000257199.2	5
## ENSG00000165891.16	3079
## ENSG00000067798.16	332

## ENSG00000067715.15	98
## ENSG00000257894.2	28
## ENSG00000257956.1	5
## ENSG00000177425.11	13035
## ENSG00000058272.19	7856
## ENSG00000257557.2	46
## ENSG00000165899.12	13
## ENSG00000230291.5	65
## ENSG00000111052.8	1996
## ENSG00000111058.8	3248
## ENSG00000139220.17	21
## ENSG00000258162.4	247
## ENSG00000133773.12	2451
## ENSG00000127720.8	370
## ENSG00000179104.9	1030
## ENSG00000213270.5	3
## ENSG00000257729.2	9
## ENSG00000072041.18	450
## ENSG00000133640.20	400
## ENSG00000180318.4	30
## ENSG00000258815.1	60
## ENSG00000198774.5	2290
## ENSG00000133636.11	18305
## ENSG00000182050.14	63
## ENSG00000133641.18	1813
## ENSG00000198707.17	2149
## ENSG00000139324.12	8010
## ENSG00000289384.2	56
## ENSG00000049130.16	26991
## ENSG00000281333.2	24
## ENSG00000289174.1	48
## ENSG00000246363.4	6
## ENSG00000139318.8	7917
## ENSG00000274021.1	7
## ENSG00000271327.1	22
## ENSG00000139323.14	5903
## ENSG00000259075.6	18
## ENSG00000257594.4	185
## ENSG00000270344.4	110
## ENSG00000258302.2	14
## ENSG00000070961.17	18068
## ENSG00000271614.1	78
## ENSG00000083782.8	28
## ENSG00000139329.5	1282
## ENSG00000011465.18	645
## ENSG00000257893.3	5
## ENSG00000257242.9	40
## ENSG00000133639.6	8877
## ENSG00000245904.6	19
## ENSG00000187510.11	10
## ENSG00000102189.17	4368
## ENSG00000257195.1	30
## ENSG00000257345.2	162
## ENSG00000256393.1	237

## ENSG00000293091.1	8
## ENSG00000257252.7	53
## ENSG00000173598.14	16667
## ENSG00000177889.10	15289
## ENSG00000198015.14	11078
## ENSG00000246985.8	563
## ENSG00000120833.14	6118
## ENSG00000186076.5	138
## ENSG00000169372.13	584
## ENSG00000136040.9	791
## ENSG00000258365.1	10
## ENSG00000173588.16	1476
## ENSG00000213250.5	53
## ENSG00000278916.1	50
## ENSG00000258357.1	8
## ENSG00000236349.1	23
## ENSG00000057704.13	1419
## ENSG00000184752.14	3514
## ENSG00000120798.17	2363
## ENSG00000180263.14	3972
## ENSG00000028203.19	8060
## ENSG00000289437.1	8
## ENSG00000265917.1	8
## ENSG00000241556.1	108
## ENSG00000111142.14	17668
## ENSG00000136014.12	455
## ENSG00000293270.1	8
## ENSG00000074527.13	4662
## ENSG00000139343.11	8137
## ENSG00000165972.13	11
## ENSG00000139344.8	13
## ENSG00000084110.11	4
## ENSG00000111144.10	15664
## ENSG00000111145.8	799
## ENSG00000059758.8	2601
## ENSG00000188596.11	70
## ENSG00000139350.12	3796
## ENSG00000258131.1	5
## ENSG00000255794.11	16
## ENSG00000206899.1	1
## ENSG00000293147.1	18
## ENSG00000245017.4	7
## ENSG00000257167.3	364
## ENSG00000120802.14	22942
## ENSG00000075415.15	75401
## ENSG00000212443.1	15
## ENSG00000166130.15	2921
## ENSG00000120868.14	3166
## ENSG00000185046.21	480
## ENSG00000214203.4	23
## ENSG00000279148.1	56
## ENSG00000111647.13	4636
## ENSG00000280088.1	436
## ENSG00000257696.1	12

## ENSG00000290571.1	259
## ENSG00000290576.1	23
## ENSG00000075089.10	3018
## ENSG00000166153.17	166
## ENSG00000136021.19	9580
## ENSG00000179520.11	273
## ENSG00000012504.15	4
## ENSG00000139354.11	3545
## ENSG00000151572.18	273
## ENSG00000258033.1	6
## ENSG00000256870.3	38
## ENSG00000120800.5	7206
## ENSG00000120805.14	6894
## ENSG00000257543.1	10
## ENSG00000196091.15	26
## ENSG00000111666.11	2846
## ENSG00000139351.15	8
## ENSG00000111670.16	5550
## ENSG00000258153.1	4
## ENSG00000136048.14	4875
## ENSG00000120860.11	679
## ENSG00000257222.1	8
## ENSG00000075188.9	3130
## ENSG00000185480.12	2003
## ENSG00000281344.1	73
## ENSG00000171759.10	278
## ENSG00000139352.4	100
## ENSG00000136011.15	2
## ENSG00000257681.1	10
## ENSG00000111696.12	1169
## ENSG00000293399.2	48
## ENSG00000166598.16	214332
## ENSG00000204954.10	1103
## ENSG00000139372.15	8981
## ENSG00000120820.13	66
## ENSG00000216285.5	57
## ENSG00000111727.12	306
## ENSG00000120837.8	5282
## ENSG00000198431.18	24511
## ENSG00000213442.5	920
## ENSG00000255150.2	63
## ENSG00000171310.11	2041
## ENSG00000136052.10	718
## ENSG00000257758.1	9
## ENSG00000151131.11	2458
## ENSG00000136010.14	1142
## ENSG00000136051.15	5501
## ENSG00000136044.12	9657
## ENSG00000235162.9	21460
## ENSG00000257859.2	14
## ENSG00000257773.1	21
## ENSG00000074590.14	3616
## ENSG00000136026.14	28786
## ENSG00000277715.1	10

## ENSG00000166046.11	354
## ENSG00000013503.10	2173
## ENSG00000111783.13	7
## ENSG00000257711.2	17
## ENSG00000257918.1	5
## ENSG00000111785.21	2170
## ENSG00000287957.1	24
## ENSG00000260329.2	24
## ENSG00000151135.10	2808
## ENSG00000120832.11	542
## ENSG00000008405.12	3336
## ENSG00000151136.15	402
## ENSG00000136045.12	5886
## ENSG00000110851.12	8791
## ENSG00000258136.2	35
## ENSG00000258072.2	63
## ENSG00000075035.10	125
## ENSG00000174600.14	39
## ENSG00000198855.7	311
## ENSG00000075856.12	8500
## ENSG00000287202.1	24
## ENSG00000136003.16	4777
## ENSG00000183160.9	4
## ENSG00000110876.10	18
## ENSG00000110880.11	21545
## ENSG00000084112.15	5175
## ENSG00000166111.10	444
## ENSG00000135093.13	1221
## ENSG00000189046.11	1893
## ENSG00000076248.12	8096
## ENSG00000256139.2	8
## ENSG00000076555.16	548
## ENSG00000174527.11	7
## ENSG00000110906.13	7373
## ENSG00000151148.14	4009
## ENSG00000139428.12	2763
## ENSG00000110921.14	1739
## ENSG00000139438.6	541
## ENSG00000255650.6	5
## ENSG00000111199.12	429
## ENSG00000139433.11	2273
## ENSG00000139437.18	1405
## ENSG00000139436.22	1524
## ENSG00000280426.1	16
## ENSG00000076513.17	3240
## ENSG00000174456.16	1315
## ENSG00000122970.16	3489
## ENSG00000289311.2	29
## ENSG00000174437.18	45518
## ENSG00000196510.14	5478
## ENSG00000258011.2	28
## ENSG00000111229.16	15578
## ENSG00000111231.9	2683
## ENSG00000241680.1	23

## ENSG00000204856.12	968
## ENSG00000111237.19	5017
## ENSG00000278993.1	22
## ENSG00000151164.19	10
## ENSG00000196850.6	3188
## ENSG00000204852.17	3527
## ENSG00000122986.14	172
## ENSG00000186298.12	29162
## ENSG00000185847.9	37
## ENSG00000111249.14	2846
## ENSG00000198324.14	3364
## ENSG00000111252.11	1432
## ENSG00000204842.18	4157
## ENSG00000258099.1	3
## ENSG00000089234.16	3611
## ENSG00000258359.1	20
## ENSG00000111271.15	2149
## ENSG00000111275.13	5754
## ENSG00000234608.9	1552
## ENSG00000089022.15	5420
## ENSG00000226469.1	10
## ENSG00000198270.13	696
## ENSG00000089248.7	23332
## ENSG00000274227.1	4
## ENSG00000111300.10	5857
## ENSG00000135148.12	5887
## ENSG00000173064.14	5064
## ENSG00000213152.5	6
## ENSG00000089009.16	143675
## ENSG00000179295.19	22380
## ENSG00000089127.15	18
## ENSG00000111331.14	307
## ENSG00000135144.8	35
## ENSG00000111344.12	41
## ENSG00000123064.13	8548
## ENSG00000139405.16	1995
## ENSG00000166578.10	238
## ENSG00000186815.13	3940
## ENSG00000277566.1	8
## ENSG00000089060.12	1636
## ENSG00000151176.8	13324
## ENSG00000135094.11	17
## ENSG00000139410.15	892
## ENSG00000249550.8	14
## ENSG00000122965.11	4446
## ENSG00000135111.16	3716
## ENSG00000257817.2	4
## ENSG00000123066.9	10352
## ENSG00000196668.4	5
## ENSG00000258102.5	47
## ENSG00000111412.6	10960
## ENSG00000135119.15	733
## ENSG00000239374.1	7
## ENSG00000290033.1	103

## ENSG00000135116.9	1630
## ENSG00000174989.13	3479
## ENSG00000274554.1	1
## ENSG00000257279.1	4
## ENSG00000088992.18	200
## ENSG00000135108.16	8663
## ENSG00000089250.20	33
## ENSG00000171435.15	141
## ENSG00000111445.14	3319
## ENSG00000277873.1	5
## ENSG00000176871.9	6690
## ENSG00000176834.14	1585
## ENSG00000089220.5	38719
## ENSG00000135090.14	1042
## ENSG00000240342.3	34953
## ENSG00000111707.12	8410
## ENSG00000275759.1	8
## ENSG00000255618.2	14
## ENSG00000139767.10	364
## ENSG00000152137.8	2800
## ENSG00000213144.2	37
## ENSG00000183273.7	780
## ENSG00000248636.7	8
## ENSG00000224982.4	35
## ENSG00000111725.11	4545
## ENSG00000122966.18	3523
## ENSG00000135127.12	377
## ENSG00000111737.12	4077
## ENSG00000277283.2	92
## ENSG00000089154.11	21362
## ENSG00000089157.16	359174
## ENSG00000255857.8	223
## ENSG00000089159.17	4808
## ENSG00000286067.1	38
## ENSG00000123009.4	29
## ENSG00000089163.4	83
## ENSG00000170890.14	14
## ENSG00000135097.7	4936
## ENSG00000111775.3	6850
## ENSG00000170855.4	7010
## ENSG00000257218.6	4078
## ENSG00000111786.10	10118
## ENSG00000088986.11	20329
## ENSG00000248008.5	1415
## ENSG00000278344.1	15
## ENSG00000110871.15	3475
## ENSG00000022840.17	18567
## ENSG00000289401.1	11
## ENSG00000167272.11	1721
## ENSG00000256008.3	28
## ENSG00000157782.10	28
## ENSG00000110917.8	43880
## ENSG00000277423.1	9
## ENSG00000276188.1	11

## ENSG00000175970.11	14452
## ENSG00000122971.9	1326
## ENSG00000255946.3	8
## ENSG00000157837.16	5999
## ENSG00000231313.2	17
## ENSG00000241388.6	341
## ENSG00000135100.19	979
## ENSG00000157895.11	2424
## ENSG00000135124.16	1504
## ENSG00000110931.19	6551
## ENSG00000089053.13	11169
## ENSG00000170633.17	4889
## ENSG00000089094.20	6382
## ENSG00000256742.1	60
## ENSG00000276045.4	1919
## ENSG00000139714.12	103
## ENSG00000188735.13	1526
## ENSG00000139725.8	358
## ENSG00000212694.8	105
## ENSG00000272849.1	42
## ENSG00000139718.12	2469
## ENSG00000158104.11	117
## ENSG00000110801.14	753
## ENSG00000158023.10	499
## ENSG00000110987.9	6272
## ENSG00000256546.4	23
## ENSG00000175727.15	6359
## ENSG00000158113.13	101
## ENSG00000176383.9	88
## ENSG00000184047.21	153
## ENSG00000139719.11	2561
## ENSG00000130779.22	11660
## ENSG00000257097.1	11
## ENSG00000289831.1	7
## ENSG00000033030.16	3340
## ENSG00000111011.18	7357
## ENSG00000184445.12	3696
## ENSG00000182782.8	13
## ENSG00000196917.6	110
## ENSG00000139726.11	12434
## ENSG00000130783.14	33
## ENSG00000130787.14	2767
## ENSG00000139722.7	3817
## ENSG00000280138.1	39
## ENSG00000150967.19	412
## ENSG00000111325.16	41
## ENSG00000182196.14	26
## ENSG00000090975.14	725
## ENSG00000051825.15	1644
## ENSG00000280120.1	103
## ENSG00000130921.9	1827
## ENSG00000111328.7	15065
## ENSG00000139697.14	11479
## ENSG00000256092.4	125

## ENSG00000183955.14	2552
## ENSG00000150977.11	750
## ENSG00000184209.15	1228
## ENSG00000188026.13	1091
## ENSG00000274427.1	4
## ENSG00000278112.1	16
## ENSG00000247373.3	41
## ENSG00000086598.11	32303
## ENSG00000111364.16	1899
## ENSG00000111361.13	4021
## ENSG00000111358.14	3428
## ENSG00000279953.1	4
## ENSG00000278861.1	6
## ENSG00000168778.13	2899
## ENSG00000185344.15	3569
## ENSG00000197653.16	184
## ENSG00000119242.9	2619
## ENSG00000250091.3	412
## ENSG00000269997.1	10
## ENSG00000269938.1	11
## ENSG00000270061.1	8
## ENSG00000179195.16	31968
## ENSG00000178882.15	5878
## ENSG00000275389.1	12
## ENSG00000256596.1	8
## ENSG00000196498.15	12246
## ENSG00000073060.17	5408
## ENSG00000287242.1	9
## ENSG00000150991.16	94376
## ENSG00000150990.9	4469
## ENSG00000184992.13	6202
## ENSG00000081760.17	7869
## ENSG00000279233.1	52
## ENSG00000139364.11	246
## ENSG00000249267.8	12
## ENSG00000256001.3	7
## ENSG00000286791.1	11
## ENSG00000278266.1	29
## ENSG00000181234.10	35
## ENSG00000139370.12	2812
## ENSG00000279500.1	31
## ENSG00000274695.1	9
## ENSG00000151948.12	1662
## ENSG00000151952.16	1420
## ENSG00000251536.2	9
## ENSG00000214039.9	8
## ENSG00000250208.7	10
## ENSG00000111432.5	11
## ENSG00000125207.7	11
## ENSG00000060709.17	851
## ENSG00000279146.1	9
## ENSG00000111450.15	2745
## ENSG00000132341.12	63587
## ENSG00000111452.13	211

## ENSG00000061936.10	3023
## ENSG00000198598.7	55
## ENSG00000177169.10	6433
## ENSG00000279283.1	5
## ENSG00000255992.1	7
## ENSG00000177192.14	2149
## ENSG00000273568.1	13
## ENSG00000183495.15	6061
## ENSG00000291171.1	1034
## ENSG00000279640.1	7
## ENSG00000185163.10	3462
## ENSG00000184967.7	3312
## ENSG00000256576.3	54
## ENSG00000256312.1	4
## ENSG00000182870.13	16
## ENSG00000274373.1	27
## ENSG00000112787.14	5014
## ENSG00000280287.1	102
## ENSG00000279700.1	9
## ENSG00000187848.15	81
## ENSG00000280311.1	5
## ENSG00000177084.19	7653
## ENSG00000176894.10	453
## ENSG00000247077.8	8485
## ENSG00000176915.15	6182
## ENSG00000090615.16	3803
## ENSG00000072609.18	2667
## ENSG00000236617.2	8
## ENSG00000250790.4	21
## ENSG00000196458.11	3060
## ENSG00000289516.1	17
## ENSG00000198393.8	1036
## ENSG00000198040.11	5041
## ENSG00000196387.10	572
## ENSG00000214029.6	752
## ENSG00000256223.6	1068
## ENSG00000090612.22	4084
## ENSG00000279081.2	9
## ENSG00000280208.1	13
## ENSG00000226361.5	8
## ENSG00000227879.2	23
## ENSG00000215349.2	8
## ENSG00000196199.14	4428
## ENSG00000226352.2	15
## ENSG00000121390.19	5742
## ENSG00000233469.1	7
## ENSG00000132950.19	814
## ENSG00000275964.2	180
## ENSG00000289235.1	8
## ENSG00000121741.17	15445
## ENSG00000279951.1	3
## ENSG00000121743.4	32
## ENSG00000165474.8	111
## ENSG00000165475.15	365

## ENSG00000032742.18	1622
## ENSG000000238286.1	11
## ENSG000000278291.1	197
## ENSG000000172458.5	259
## ENSG000000279135.1	5
## ENSG000000150456.11	698
## ENSG000000132953.18	5000
## ENSG000000213621.3	175
## ENSG000000150457.9	4437
## ENSG000000150459.13	12182
## ENSG000000165480.16	2469
## ENSG000000173141.5	3144
## ENSG000000290911.1	11
## ENSG000000291046.1	255
## ENSG000000224429.10	50
## ENSG000000180776.17	16582
## ENSG000000289814.1	14
## ENSG000000236953.1	7
## ENSG000000165487.14	4409
## ENSG000000226525.5	91
## ENSG000000289860.1	32
## ENSG000000102678.7	965
## ENSG000000276476.4	923
## ENSG000000232187.1	27
## ENSG000000262619.4	32
## ENSG000000262198.2	77
## ENSG000000234685.1	20
## ENSG000000102683.8	8
## ENSG000000151835.17	4775
## ENSG000000232977.7	75
## ENSG000000289688.1	10
## ENSG000000127863.16	9128
## ENSG000000027001.10	3775
## ENSG000000205861.13	17
## ENSG000000273167.1	4
## ENSG000000182957.16	2036
## ENSG000000228741.2	59
## ENSG000000225674.1	26
## ENSG000000102699.6	7775
## ENSG000000075673.12	319
## ENSG000000151849.16	2000
## ENSG000000291041.1	27
## ENSG000000232858.1	7
## ENSG000000165566.13	17
## ENSG000000139505.13	4898
## ENSG000000139496.18	7897
## ENSG000000132932.19	830
## ENSG000000289125.1	11
## ENSG000000180730.5	1277
## ENSG000000127870.17	3467
## ENSG000000277368.2	3
## ENSG000000132964.13	4447
## ENSG000000132970.14	5395
## ENSG000000234031.1	31

## ENSG00000152484.14	5243
## ENSG00000275294.4	6
## ENSG00000122026.11	74005
## ENSG00000122035.7	851
## ENSG00000122034.17	11655
## ENSG00000122033.15	1929
## ENSG00000289827.1	41
## ENSG00000139517.9	7344
## ENSG00000186184.20	12971
## ENSG00000247381.3	90
## ENSG00000139515.6	14272
## ENSG00000180389.7	32
## ENSG00000260704.1	368
## ENSG00000165556.10	15571
## ENSG00000183463.7	147
## ENSG00000122025.15	28
## ENSG00000261485.1	63
## ENSG00000152520.14	4065
## ENSG00000232587.1	12
## ENSG00000102755.13	519
## ENSG00000235472.1	8
## ENSG00000132963.9	10901
## ENSG00000139508.15	272
## ENSG00000233588.1	17
## ENSG00000132938.22	1124
## ENSG00000139514.13	13387
## ENSG00000122042.10	8139
## ENSG00000224511.2	20
## ENSG00000232117.2	10
## ENSG00000102781.14	1916
## ENSG00000189403.15	52481
## ENSG00000132952.12	2381
## ENSG00000132965.10	12
## ENSG00000175664.10	24
## ENSG00000120694.20	23223
## ENSG00000187676.8	1168
## ENSG00000073910.23	390
## ENSG00000139618.18	1705
## ENSG00000139597.18	388
## ENSG00000244754.9	4767
## ENSG00000281026.1	28
## ENSG00000083642.19	5544
## ENSG00000277151.1	12
## ENSG00000133116.8	47
## ENSG00000133121.21	538
## ENSG00000236581.9	9
## ENSG00000230490.4	8
## ENSG00000288767.2	29
## ENSG00000133119.13	4155
## ENSG00000276672.1	129
## ENSG00000225179.2	10
## ENSG00000172915.20	2197
## ENSG00000133083.15	840
## ENSG00000120669.16	259

## ENSG00000250709.1	117
## ENSG00000242715.8	504
## ENSG00000133104.14	16355
## ENSG00000120664.11	112
## ENSG00000133101.10	164
## ENSG00000180440.4	173
## ENSG00000133111.4	754
## ENSG00000120693.15	1098
## ENSG00000226161.1	13
## ENSG00000120697.10	3125
## ENSG00000120699.14	4127
## ENSG00000102710.21	4796
## ENSG00000133110.15	340
## ENSG00000133107.15	548
## ENSG00000287477.1	30
## ENSG00000274317.2	15
## ENSG00000223685.8	48
## ENSG00000120686.12	6211
## ENSG00000150893.11	8053
## ENSG00000235550.1	13
## ENSG00000133115.12	2
## ENSG00000120685.20	9381
## ENSG00000188811.14	1488
## ENSG00000183722.9	100
## ENSG00000133103.17	2377
## ENSG00000215483.12	32
## ENSG00000150907.10	1626
## ENSG00000102738.8	1929
## ENSG00000102743.16	4787
## ENSG00000290476.1	3
## ENSG00000176268.5	7
## ENSG00000287837.1	100
## ENSG00000290464.1	8
## ENSG00000120690.16	6295
## ENSG00000229473.2	5
## ENSG00000120688.9	2062
## ENSG00000165572.8	3322
## ENSG00000278390.7	85
## ENSG00000215482.3	33
## ENSG00000120696.9	2322
## ENSG00000120662.16	565
## ENSG00000277662.1	24
## ENSG00000172766.19	1832
## ENSG00000214222.2	65
## ENSG00000102760.13	16
## ENSG00000288598.2	7
## ENSG00000102763.18	3639
## ENSG00000278338.4	11
## ENSG00000102780.17	848
## ENSG00000231530.1	10
## ENSG00000237263.1	15
## ENSG0000023516.9	7027
## ENSG00000133106.15	1510
## ENSG00000120675.6	6561

## ENSG00000120658.14	478
## ENSG00000287029.1	3
## ENSG00000151773.13	510
## ENSG00000179630.11	751
## ENSG00000179611.3	39
## ENSG00000227258.7	18
## ENSG00000151778.11	194
## ENSG00000237361.5	61
## ENSG00000102804.16	14073
## ENSG00000278156.2	23
## ENSG00000230793.1	6
## ENSG00000083635.8	2837
## ENSG00000133114.18	3502
## ENSG00000188342.13	4513
## ENSG00000133112.17	198341
## ENSG00000170919.16	772
## ENSG00000214455.4	5
## ENSG00000174032.17	1962
## ENSG00000136152.15	2215
## ENSG00000165837.12	3
## ENSG00000215475.5	112
## ENSG00000123200.17	15946
## ENSG00000235903.11	38
## ENSG00000080618.17	6
## ENSG00000136167.15	7037
## ENSG00000102445.20	184
## ENSG00000205105.6	0
## ENSG00000136141.15	3666
## ENSG00000139684.15	12592
## ENSG00000136143.16	7534
## ENSG00000234145.1	15
## ENSG00000260388.2	37
## ENSG00000227848.1	9
## ENSG00000136159.4	4920
## ENSG00000136146.15	4271
## ENSG00000136156.15	16707
## ENSG00000231473.5	13
## ENSG00000139687.16	4091
## ENSG00000177197.7	5
## ENSG00000139679.16	655
## ENSG00000136161.13	467
## ENSG00000152207.8	132
## ENSG00000225131.2	151
## ENSG00000275202.1	70
## ENSG00000102531.16	13174
## ENSG00000235957.1	17
## ENSG00000288743.1	58
## ENSG00000102543.14	646
## ENSG00000102547.19	2040
## ENSG00000136169.17	780
## ENSG00000136147.18	577
## ENSG00000136144.12	6575
## ENSG00000123179.14	4108
## ENSG00000102753.10	17644

## ENSG00000276436.1	10
## ENSG00000123178.16	740
## ENSG00000231607.15	317
## ENSG00000204977.10	3610
## ENSG00000198553.9	16
## ENSG00000176124.15	528
## ENSG00000274270.1	9
## ENSG00000232150.3	18
## ENSG00000286191.1	10
## ENSG00000186047.11	56
## ENSG00000233672.9	27
## ENSG00000136104.21	2808
## ENSG00000150510.17	35
## ENSG00000253309.7	13
## ENSG00000102786.15	3864
## ENSG00000236778.9	45
## ENSG00000139668.9	2366
## ENSG00000102796.12	221
## ENSG00000231856.4	95
## ENSG00000281106.4	22
## ENSG00000232872.2	68
## ENSG00000123191.17	9316
## ENSG00000253710.5	1209
## ENSG00000197168.14	242
## ENSG00000273523.1	14
## ENSG00000136098.18	2475
## ENSG00000291010.1	8
## ENSG00000136114.17	72
## ENSG00000136100.14	4208
## ENSG00000278238.2	61
## ENSG00000136108.15	11382
## ENSG00000235660.2	17
## ENSG00000273784.5	63
## ENSG00000250299.7	33
## ENSG00000273723.2	29
## ENSG00000165416.15	5769
## ENSG00000136110.13	18
## ENSG00000136099.13	9
## ENSG00000136149.6	455
## ENSG00000287460.1	18
## ENSG00000288765.1	288
## ENSG00000118946.12	4007
## ENSG00000139734.19	4172
## ENSG00000083544.16	2158
## ENSG00000280165.2	50
## ENSG00000214269.3	13
## ENSG00000236565.3	91
## ENSG00000184226.15	323
## ENSG00000150361.12	17
## ENSG00000226846.2	10
## ENSG00000276644.5	1180
## ENSG00000236534.1	49
## ENSG00000204899.6	2636
## ENSG00000136122.18	1418

## ENSG00000083520.15	10139
## ENSG00000083535.16	3360
## ENSG00000102554.14	38102
## ENSG00000236972.2	20
## ENSG00000224853.3	43
## ENSG00000118922.19	2358
## ENSG00000136111.14	3102
## ENSG00000188243.14	4220
## ENSG00000118939.19	703
## ENSG00000261553.5	12
## ENSG00000261105.6	6
## ENSG00000136153.20	2743
## ENSG00000285572.2	17
## ENSG00000178695.6	16013
## ENSG00000278727.1	79
## ENSG00000233873.1	26
## ENSG00000228002.2	9
## ENSG00000102805.16	427
## ENSG00000283208.2	13
## ENSG00000005812.11	1618
## ENSG00000005810.20	3515
## ENSG00000136155.17	141
## ENSG00000139737.23	3414
## ENSG00000225579.2	8
## ENSG00000136160.17	6
## ENSG00000152192.8	44
## ENSG00000152193.8	3101
## ENSG00000139746.16	7882
## ENSG00000227354.7	155
## ENSG00000102471.16	8147
## ENSG00000227676.4	6
## ENSG00000284196.3	11
## ENSG00000285684.1	1
## ENSG00000136158.12	7025
## ENSG00000293057.1	77
## ENSG00000286385.1	16
## ENSG00000178235.8	62
## ENSG00000288016.3	37
## ENSG00000184564.11	3347
## ENSG00000165300.8	94
## ENSG00000215417.14	70
## ENSG00000179399.16	245
## ENSG00000278177.1	17
## ENSG00000183098.12	14155
## ENSG00000088451.11	1661
## ENSG00000152749.8	1409
## ENSG00000227640.5	455
## ENSG00000125285.6	766
## ENSG00000252335.1	8
## ENSG00000125257.16	12914
## ENSG00000223298.1	16
## ENSG00000134873.10	29
## ENSG00000134874.18	3197
## ENSG00000247400.6	244

## ENSG00000102580.15	10242
## ENSG00000102595.22	4215
## ENSG00000185352.10	817
## ENSG00000165621.9	58
## ENSG00000139793.21	3332
## ENSG00000202290.1	5
## ENSG00000286416.1	17
## ENSG00000125249.7	6568
## ENSG00000065150.21	50705
## ENSG00000152767.17	17040
## ENSG00000102572.15	10631
## ENSG00000224418.1	9
## ENSG00000088386.17	18
## ENSG00000088387.22	1290
## ENSG00000260992.1	4
## ENSG00000228889.9	97
## ENSG00000134882.16	7962
## ENSG00000218502.3	10
## ENSG00000169508.7	3
## ENSG00000125304.10	31636
## ENSG00000280734.3	79
## ENSG00000203441.2	41
## ENSG00000125246.16	343
## ENSG00000274605.4	161
## ENSG00000175198.17	2520
## ENSG00000228501.2	31
## ENSG00000134864.11	580
## ENSG00000224356.5	55
## ENSG00000125247.16	6037
## ENSG00000237082.1	23
## ENSG00000289594.1	56
## ENSG00000102452.18	8
## ENSG00000102466.17	864
## ENSG00000272143.2	112
## ENSG00000134900.13	10634
## ENSG00000175820.4	11
## ENSG00000151287.17	495
## ENSG00000134901.14	2648
## ENSG00000134897.14	1335
## ENSG00000134899.24	250
## ENSG00000125255.7	230
## ENSG00000125266.8	20516
## ENSG00000284966.3	57
## ENSG00000274204.1	10
## ENSG00000134884.15	5413
## ENSG00000272274.4	56
## ENSG00000285643.1	2
## ENSG00000204442.4	245
## ENSG00000174405.15	2103
## ENSG00000139826.6	3926
## ENSG00000102524.12	50
## ENSG00000283384.1	42
## ENSG00000041515.16	438
## ENSG00000236242.1	4

## ENSG00000275216.2	736
## ENSG00000289901.1	91
## ENSG00000185950.9	4077
## ENSG00000275830.4	5
## ENSG00000187498.16	47830
## ENSG00000134871.19	103612
## ENSG00000139832.5	708
## ENSG00000275880.1	35
## ENSG00000213995.12	3495
## ENSG00000134905.17	3953
## ENSG00000153487.13	2609
## ENSG00000255874.4	27
## ENSG00000088448.14	3773
## ENSG00000229152.2	178
## ENSG00000277767.1	14
## ENSG00000227105.1	8
## ENSG00000102606.20	5785
## ENSG00000224243.2	24
## ENSG00000182968.5	121
## ENSG00000126216.15	1953
## ENSG00000277159.1	33
## ENSG00000274922.3	119
## ENSG00000068650.19	10660
## ENSG00000126217.22	1994
## ENSG00000267868.1	51
## ENSG00000235280.2	50
## ENSG00000269376.1	18
## ENSG00000057593.14	78
## ENSG00000126218.12	1461
## ENSG00000230371.1	8
## ENSG00000283828.1	63
## ENSG00000126231.15	12
## ENSG00000126226.22	3790
## ENSG00000139842.15	8865
## ENSG00000185896.11	20231
## ENSG00000139835.14	1109
## ENSG00000276434.1	6
## ENSG00000153531.15	134
## ENSG00000150401.15	1623
## ENSG00000150403.18	8409
## ENSG00000276916.1	47
## ENSG00000276248.1	168
## ENSG00000198176.13	11343
## ENSG00000184497.13	148
## ENSG00000233695.2	64
## ENSG00000183087.15	6781
## ENSG00000272695.2	123
## ENSG00000283199.3	7
## ENSG00000185989.11	603
## ENSG00000130177.16	6651
## ENSG00000285672.1	5
## ENSG00000169062.15	4863
## ENSG00000198824.8	6725
## ENSG00000136319.12	2963

## ENSG00000258768.2	100
## ENSG00000100814.19	19151
## ENSG00000287735.1	35
## ENSG00000222489.1	10
## ENSG00000129484.14	3302
## ENSG00000129566.13	2273
## ENSG00000092094.11	3043
## ENSG00000258515.1	16
## ENSG00000100823.12	30613
## ENSG00000165782.11	2520
## ENSG00000198805.13	7857
## ENSG00000214274.10	395
## ENSG00000258818.4	32
## ENSG00000169413.3	10
## ENSG00000129538.14	8024
## ENSG00000165792.18	2664
## ENSG00000165795.25	1200
## ENSG00000165801.10	3283
## ENSG00000165804.16	3934
## ENSG00000232070.9	20
## ENSG00000258441.1	3250
## ENSG00000092199.19	112669
## ENSG00000092200.13	66
## ENSG00000092201.10	38827
## ENSG00000100888.15	18255
## ENSG00000129472.15	2377
## ENSG00000092203.15	8857
## ENSG00000165819.12	5096
## ENSG00000165821.12	13187
## ENSG00000256737.1	9
## ENSG00000276240.4	4
## ENSG00000211777.2	4
## ENSG00000211798.3	3
## ENSG00000251002.10	27
## ENSG00000211813.2	11
## ENSG00000211818.1	21
## ENSG00000211820.1	10
## ENSG00000277734.8	34
## ENSG00000129562.11	11966
## ENSG00000275552.1	6
## ENSG00000100439.11	3881
## ENSG00000258458.8	15
## ENSG00000155463.14	15161
## ENSG00000155465.21	24492
## ENSG00000172590.18	4439
## ENSG00000157227.14	60586
## ENSG00000197324.9	12445
## ENSG00000139890.10	753
## ENSG00000100461.18	8716
## ENSG00000237054.9	6
## ENSG00000100462.16	11844
## ENSG00000257285.7	22
## ENSG00000092036.19	1602
## ENSG00000129474.17	15432

## ENSG00000258457.5	52
## ENSG00000100802.15	890
## ENSG00000280129.1	11
## ENSG00000100804.19	21381
## ENSG00000279656.1	118
## ENSG00000139880.21	2071
## ENSG00000288795.1	10
## ENSG00000100813.15	17834
## ENSG00000179933.6	8255
## ENSG00000283654.3	64
## ENSG00000092068.21	10904
## ENSG00000215277.9	22
## ENSG00000290292.10	4349
## ENSG00000235194.9	325
## ENSG00000129473.11	1543
## ENSG00000258643.6	14
## ENSG00000100836.11	1772
## ENSG00000092096.19	1461
## ENSG00000100842.13	2029
## ENSG00000197616.13	70
## ENSG00000092054.13	29
## ENSG00000129460.17	3289
## ENSG00000157306.14	6
## ENSG00000136367.15	932
## ENSG00000259431.6	566
## ENSG00000213983.12	1620
## ENSG00000258727.1	13
## ENSG00000092051.18	14
## ENSG00000100867.15	215
## ENSG00000215256.6	1816
## ENSG00000157326.19	1129
## ENSG00000187630.18	446
## ENSG00000285467.1	2
## ENSG00000286931.3	28
## ENSG00000186648.15	95
## ENSG00000129535.13	99
## ENSG00000100889.12	6775
## ENSG00000100897.18	7021
## ENSG00000139914.7	8
## ENSG00000092010.15	9840
## ENSG00000100908.14	754
## ENSG00000259321.1	7
## ENSG00000100911.16	5973
## ENSG00000092098.18	49
## ENSG00000259529.2	54
## ENSG00000213928.10	141
## ENSG00000100918.14	17117
## ENSG00000196497.17	123
## ENSG00000100926.15	844
## ENSG00000288820.2	62
## ENSG00000276698.1	18
## ENSG00000278784.1	83
## ENSG00000139908.15	56
## ENSG00000254505.11	35

## ENSG00000260669.2	33
## ENSG00000213920.9	6
## ENSG00000255526.6	14
## ENSG00000129559.13	6246
## ENSG00000100938.19	4443
## ENSG00000092330.19	2625
## ENSG00000289979.1	8
## ENSG00000092295.12	45
## ENSG00000100949.15	1831
## ENSG00000288044.3	132
## ENSG00000157379.14	959
## ENSG00000196943.14	6706
## ENSG00000213906.10	33
## ENSG00000213903.9	68
## ENSG00000129467.14	6
## ENSG00000129465.16	21
## ENSG00000100968.14	787
## ENSG00000205978.6	5174
## ENSG00000139899.11	44
## ENSG00000100441.10	6228
## ENSG00000100445.18	436
## ENSG00000258744.3	478
## ENSG00000168952.16	3944
## ENSG00000288100.1	15
## ENSG00000287481.1	5
## ENSG00000139910.20	1121
## ENSG00000292998.1	23
## ENSG00000293235.1	13
## ENSG00000258282.2	5
## ENSG00000184304.17	1890
## ENSG00000092140.16	3983
## ENSG00000092108.22	4993
## ENSG00000213867.4	43
## ENSG00000100473.18	2995
## ENSG00000258525.2	27
## ENSG00000196792.12	4055
## ENSG00000100478.16	793
## ENSG00000092148.14	17525
## ENSG00000129493.15	1713
## ENSG00000203546.7	12
## ENSG00000250365.7	35
## ENSG00000129480.14	983
## ENSG00000151413.17	1764
## ENSG00000258474.1	15
## ENSG00000258655.2	352
## ENSG00000100852.14	9132
## ENSG00000286527.1	6
## ENSG00000202337.1	23
## ENSG00000151320.11	367
## ENSG00000259045.1	8
## ENSG00000151322.20	156
## ENSG00000129521.15	1842
## ENSG00000165389.7	6300
## ENSG00000129518.10	3535

## ENSG00000129515.20	10407
## ENSG00000240463.1	11
## ENSG00000165410.15	6302
## ENSG00000243824.1	25
## ENSG00000198604.11	10728
## ENSG00000258738.1	322
## ENSG00000293497.1	62
## ENSG00000100883.13	8442
## ENSG00000151327.14	2754
## ENSG00000092020.11	1833
## ENSG00000279434.1	11
## ENSG00000100890.16	758
## ENSG00000240392.1	25
## ENSG00000100902.11	2745
## ENSG00000100906.12	3303
## ENSG00000174373.17	2688
## ENSG00000258938.1	16
## ENSG00000100916.14	1756
## ENSG00000151332.20	1716
## ENSG00000198807.13	27
## ENSG00000183032.12	495
## ENSG00000258708.1	43
## ENSG00000151338.21	1967
## ENSG00000289687.1	10
## ENSG00000259087.5	126
## ENSG00000129514.8	20518
## ENSG00000139865.17	504
## ENSG00000139874.6	564
## ENSG00000176435.7	19
## ENSG00000259070.9	12
## ENSG00000100934.15	16982
## ENSG00000258591.2	8
## ENSG00000092208.19	1627
## ENSG00000182400.15	498
## ENSG00000259083.1	16
## ENSG00000100941.9	12560
## ENSG00000270503.1	24
## ENSG00000150527.18	4364
## ENSG00000258940.2	24
## ENSG00000165355.8	1701
## ENSG00000258526.8	59
## ENSG00000286123.1	9
## ENSG00000286099.1	96
## ENSG00000251363.3	306
## ENSG00000258636.2	104
## ENSG00000289436.1	47
## ENSG00000165379.14	277
## ENSG00000259051.1	15
## ENSG00000258828.2	27
## ENSG00000259137.1	12
## ENSG00000179476.8	241
## ENSG00000179454.14	1399
## ENSG00000198718.13	1524
## ENSG00000185246.18	1889

## ENSG00000100442.11	10280
## ENSG00000187790.12	1059
## ENSG00000129534.14	4407
## ENSG00000258608.1	5
## ENSG00000139915.22	84
## ENSG00000259129.6	155
## ENSG00000213741.11	23773
## ENSG00000276168.1	791
## ENSG00000165501.17	1538
## ENSG00000258568.1	20
## ENSG00000278009.1	16
## ENSG00000165502.7	13100
## ENSG00000168282.6	97
## ENSG00000165506.15	3642
## ENSG00000258450.1	11
## ENSG00000100479.14	791
## ENSG00000197776.8	29
## ENSG00000165516.11	2964
## ENSG00000165525.18	4711
## ENSG00000278771.1	12
## ENSG00000282885.3	24
## ENSG00000165527.8	12549
## ENSG00000214900.13	44
## ENSG00000270788.1	18
## ENSG00000100483.14	621
## ENSG00000100485.12	3677
## ENSG00000087299.12	2725
## ENSG00000125375.18	816
## ENSG00000100490.10	420
## ENSG00000258857.1	7
## ENSG00000012983.12	7275
## ENSG00000198513.14	817
## ENSG00000151748.15	3472
## ENSG00000269906.1	69
## ENSG00000289866.1	3
## ENSG00000100503.27	4801
## ENSG00000270062.1	30
## ENSG00000100504.17	6540
## ENSG00000131969.15	66
## ENSG00000100505.14	330
## ENSG00000139921.13	7315
## ENSG00000258537.6	50
## ENSG00000139926.16	3096
## ENSG00000186469.9	1998
## ENSG00000087302.9	19068
## ENSG00000087303.19	519
## ENSG00000289424.2	13
## ENSG00000125384.7	869
## ENSG00000087301.9	2951
## ENSG00000180998.12	912
## ENSG00000197930.13	10494
## ENSG00000100519.12	11918
## ENSG00000198252.12	3357
## ENSG00000100522.10	5951

## ENSG00000073712.15	8740
## ENSG00000288045.1	13
## ENSG00000100523.17	3148
## ENSG00000237356.7	65
## ENSG00000225680.1	11
## ENSG00000235269.2	44
## ENSG00000125378.16	1457
## ENSG00000287156.1	14
## ENSG00000224004.2	12
## ENSG00000100526.21	1457
## ENSG00000100528.12	15263
## ENSG00000197045.14	13433
## ENSG00000100532.13	1421
## ENSG00000020577.14	2857
## ENSG00000131979.20	6979
## ENSG00000198554.12	6068
## ENSG00000180008.9	4299
## ENSG00000168175.16	14475
## ENSG00000289523.1	49
## ENSG00000131981.16	27536
## ENSG00000126787.13	11016
## ENSG00000279392.1	31
## ENSG00000258413.2	4
## ENSG00000178974.11	3598
## ENSG00000126775.9	1969
## ENSG00000186615.12	551
## ENSG00000126777.18	36798
## ENSG00000277763.1	6
## ENSG00000139946.11	4024
## ENSG00000275569.1	7
## ENSG00000070269.14	2602
## ENSG00000165588.19	11
## ENSG00000258592.1	21
## ENSG00000070367.17	10733
## ENSG00000053770.12	4892
## ENSG00000139977.14	4395
## ENSG00000100557.10	546
## ENSG00000151812.15	16
## ENSG00000259969.1	68
## ENSG00000139971.15	1524
## ENSG00000131966.14	4517
## ENSG00000100567.13	11972
## ENSG00000258682.1	14
## ENSG00000257621.9	1319
## ENSG00000180189.10	6
## ENSG00000279636.2	13
## ENSG00000032219.19	2110
## ENSG00000196860.8	25
## ENSG00000258378.1	16
## ENSG00000100575.14	2722
## ENSG00000100578.18	2657
## ENSG00000165617.16	256
## ENSG00000213598.4	42
## ENSG00000100592.16	4533

## ENSG00000181619.12	64
## ENSG00000126790.12	189
## ENSG00000050130.18	3659
## ENSG00000139970.18	630
## ENSG00000261120.1	7
## ENSG00000131951.12	85
## ENSG00000126773.13	6717
## ENSG00000100612.14	6596
## ENSG00000100614.18	4921
## ENSG00000179008.9	37
## ENSG00000258427.3	32
## ENSG00000126778.12	7
## ENSG00000100625.9	1899
## ENSG00000020426.11	1940
## ENSG00000258445.3	10
## ENSG00000126814.7	2546
## ENSG00000139974.17	534
## ENSG00000027075.17	496
## ENSG00000182107.7	4413
## ENSG00000247287.3	12
## ENSG00000232774.8	44
## ENSG00000258777.2	27
## ENSG00000100644.17	38326
## ENSG00000258667.3	16
## ENSG00000023608.5	1016
## ENSG00000139973.18	390
## ENSG00000293464.1	868
## ENSG00000288802.1	240
## ENSG00000140015.20	1582
## ENSG00000126785.13	49
## ENSG00000154001.14	9956
## ENSG00000270878.1	19
## ENSG00000140006.12	2219
## ENSG00000258645.2	7
## ENSG00000274015.3	30
## ENSG00000126821.8	1913
## ENSG00000054654.20	5926
## ENSG00000140009.19	21
## ENSG00000214770.3	15
## ENSG00000293482.1	10
## ENSG00000284664.1	10
## ENSG00000100714.18	15541
## ENSG00000258824.2	17
## ENSG00000089775.12	1086
## ENSG00000179841.8	696
## ENSG00000126804.14	3140
## ENSG00000259116.2	11
## ENSG00000126803.10	644
## ENSG00000165807.8	67
## ENSG00000126822.18	4525
## ENSG00000070182.21	583
## ENSG00000258289.10	3931
## ENSG00000125954.13	14
## ENSG00000176153.13	4206

## ENSG00000139998.16	5142
## ENSG00000257365.8	1211
## ENSG00000272158.1	6
## ENSG00000125952.21	2967
## ENSG00000259118.5	7
## ENSG00000255002.2	9
## ENSG00000258760.1	9
## ENSG00000259078.2	6
## ENSG00000033170.17	25795
## ENSG00000276116.2	276
## ENSG00000224861.1	399
## ENSG00000258502.6	4
## ENSG00000258561.2	10
## ENSG00000171723.16	2379
## ENSG00000172717.17	3
## ENSG00000072415.10	6569
## ENSG00000100554.12	6576
## ENSG00000134001.15	11285
## ENSG00000100558.9	218
## ENSG00000198133.9	289
## ENSG00000054690.14	4478
## ENSG00000100564.9	993
## ENSG00000081181.8	2250
## ENSG00000100568.11	7819
## ENSG00000258626.2	16
## ENSG00000072042.13	22681
## ENSG00000139988.10	106
## ENSG00000072121.17	3090
## ENSG00000182185.19	358
## ENSG00000258477.1	3
## ENSG00000287385.1	13
## ENSG00000259038.2	2
## ENSG00000258623.1	13
## ENSG00000185650.10	9121
## ENSG00000072110.16	38251
## ENSG00000139990.18	7110
## ENSG00000258957.2	6
## ENSG00000081177.19	4241
## ENSG00000258520.1	10
## ENSG00000100626.17	1962
## ENSG00000100632.11	17850
## ENSG00000029364.12	10418
## ENSG00000175985.10	55
## ENSG00000267909.3	9
## ENSG00000100647.8	3349
## ENSG00000100650.16	8530
## ENSG00000198732.11	306
## ENSG00000242071.3	1189
## ENSG00000100678.20	53
## ENSG00000258422.6	40
## ENSG00000274330.1	49
## ENSG00000259033.2	14
## ENSG00000133983.16	364
## ENSG00000258644.6	22

## ENSG00000222640.1	4
## ENSG00000213463.5	4978
## ENSG00000139985.8	37
## ENSG00000133997.12	2518
## ENSG00000133985.3	1114
## ENSG00000006432.16	5329
## ENSG00000259153.4	977
## ENSG00000274818.1	60
## ENSG00000100731.16	8266
## ENSG00000259146.4	37
## ENSG00000197555.10	8043
## ENSG00000266869.2	7
## ENSG00000182732.18	124
## ENSG00000205683.12	217
## ENSG00000119599.17	1425
## ENSG00000165861.14	2289
## ENSG00000258813.2	17
## ENSG00000119707.14	14074
## ENSG00000080815.20	13837
## ENSG00000100767.17	196
## ENSG00000258376.2	49
## ENSG00000258944.1	3
## ENSG00000133961.21	5385
## ENSG00000251393.5	3
## ENSG00000187105.9	33
## ENSG00000170468.8	1668
## ENSG00000184227.8	210
## ENSG00000119673.16	728
## ENSG00000279026.1	23
## ENSG00000177465.5	11
## ENSG00000119661.15	2535
## ENSG00000176903.5	4706
## ENSG00000156030.14	2991
## ENSG00000259065.3	86
## ENSG00000140043.12	231
## ENSG00000273711.2	5
## ENSG00000119725.21	70
## ENSG00000156050.10	90
## ENSG00000119723.17	310
## ENSG00000187097.13	1998
## ENSG00000119636.16	289
## ENSG00000119711.13	5390
## ENSG00000205659.12	2000
## ENSG00000119614.3	5
## ENSG00000119688.21	3909
## ENSG00000258559.2	25
## ENSG00000133980.5	56
## ENSG00000183379.9	28
## ENSG00000270000.1	12
## ENSG00000259005.1	18
## ENSG00000119655.11	10106
## ENSG00000165898.14	1877
## ENSG00000119681.12	349
## ENSG00000258976.1	10

## ENSG00000119682.18	7968
## ENSG00000258439.1	10
## ENSG00000119616.11	5206
## ENSG00000119596.18	15241
## ENSG00000119608.15	5
## ENSG00000119689.15	11917
## ENSG00000198208.12	287
## ENSG00000119630.14	668
## ENSG00000119718.11	3678
## ENSG00000279594.1	10
## ENSG00000119684.16	1839
## ENSG00000119640.9	371
## ENSG00000119703.15	302
## ENSG00000119638.14	9890
## ENSG00000170348.9	35144
## ENSG00000170345.10	826
## ENSG00000259687.4	33
## ENSG00000259319.2	78
## ENSG00000140044.13	1754
## ENSG00000156127.8	16
## ENSG00000119686.10	189
## ENSG00000242951.1	53
## ENSG00000119685.20	4128
## ENSG00000133935.7	5181
## ENSG00000119650.13	1844
## ENSG00000119699.8	1317
## ENSG00000089916.18	4921
## ENSG00000119715.15	16
## ENSG00000242952.1	23
## ENSG00000071246.11	4308
## ENSG00000259081.1	10
## ENSG00000258301.3	41
## ENSG00000013523.11	4862
## ENSG00000241081.1	34
## ENSG00000258602.2	11
## ENSG00000119669.5	3519
## ENSG00000289347.1	8
## ENSG00000258819.2	55
## ENSG00000198894.8	2310
## ENSG00000165548.11	233
## ENSG00000177108.5	73
## ENSG00000165553.5	14
## ENSG00000009830.13	4090
## ENSG00000100577.19	2245
## ENSG00000100580.8	5706
## ENSG00000100583.5	333
## ENSG00000165555.10	30
## ENSG00000151445.16	3610
## ENSG00000100591.8	13247
## ENSG00000212371.1	5
## ENSG00000100593.18	48
## ENSG00000100596.8	13598
## ENSG00000100601.10	1818
## ENSG00000119705.10	3624

## ENSG00000100603.14	7927
## ENSG00000063761.16	1000
## ENSG00000021645.20	274
## ENSG00000211448.14	1
## ENSG00000100629.17	1123
## ENSG00000165409.18	76
## ENSG00000284959.3	13
## ENSG00000165417.12	6327
## ENSG00000273783.2	45
## ENSG00000205579.3	16
## ENSG00000140022.14	2590
## ENSG00000258605.1	2
## ENSG00000071537.14	19867
## ENSG00000258977.2	41
## ENSG00000258501.1	5
## ENSG00000258743.8	61
## ENSG00000259032.2	18
## ENSG00000205562.5	190
## ENSG00000185070.12	17148
## ENSG00000054983.17	3909
## ENSG00000100433.16	65
## ENSG00000042317.17	1595
## ENSG00000070778.13	2632
## ENSG00000258789.1	39
## ENSG00000100722.20	7715
## ENSG00000278576.1	31
## ENSG00000165521.16	259
## ENSG00000165533.19	1795
## ENSG00000283627.1	7
## ENSG00000053254.16	4622
## ENSG00000258920.1	71
## ENSG00000140025.16	798
## ENSG00000042088.14	3888
## ENSG00000152315.5	41
## ENSG00000100764.14	5470
## ENSG00000119720.18	1786
## ENSG00000242571.1	31
## ENSG00000275198.1	33
## ENSG00000198668.14	40282
## ENSG00000258424.1	24
## ENSG00000165914.15	2836
## ENSG00000213315.5	13
## ENSG00000258884.3	13
## ENSG00000100784.12	119
## ENSG00000133943.21	3492
## ENSG00000119714.11	19
## ENSG00000015133.20	7720
## ENSG00000258798.1	3
## ENSG00000100796.18	9147
## ENSG00000133962.8	14
## ENSG00000260711.2	35
## ENSG00000165929.13	2843
## ENSG00000140092.16	163
## ENSG00000100815.12	4883

## ENSG00000259020.3	15
## ENSG00000066427.25	1710
## ENSG00000183648.11	1075
## ENSG00000165934.13	12962
## ENSG00000140090.18	51
## ENSG00000100599.16	1164
## ENSG00000100600.15	12667
## ENSG00000066455.13	5537
## ENSG00000100604.13	129964
## ENSG00000100605.17	6698
## ENSG00000165943.5	2523
## ENSG00000153485.6	860
## ENSG00000259066.5	6
## ENSG00000170270.5	648
## ENSG00000012963.15	2998
## ENSG00000240096.1	6
## ENSG00000011114.15	5089
## ENSG00000133958.14	149
## ENSG00000278396.1	27
## ENSG00000175785.13	950
## ENSG00000100628.12	52
## ENSG00000089723.10	328
## ENSG00000089737.19	21510
## ENSG00000165948.11	670
## ENSG00000165949.13	46
## ENSG00000119632.4	650
## ENSG00000119698.12	166
## ENSG00000140093.10	20
## ENSG00000170099.6	86
## ENSG00000197249.14	10142
## ENSG00000186910.4	12
## ENSG00000100665.12	214
## ENSG00000188488.14	4249
## ENSG00000273259.3	10
## ENSG00000239269.1	6
## ENSG00000240914.1	63
## ENSG00000100697.17	14480
## ENSG00000235706.9	124
## ENSG00000165959.12	493
## ENSG00000176438.13	1075
## ENSG00000247092.9	329
## ENSG00000182512.5	7342
## ENSG00000250366.4	781
## ENSG00000227051.7	6082
## ENSG00000168398.7	88
## ENSG00000100739.11	11
## ENSG00000066739.12	2216
## ENSG00000100744.15	4924
## ENSG00000140057.9	584
## ENSG00000240051.1	13
## ENSG00000260806.1	67
## ENSG00000090060.19	28295
## ENSG00000258702.5	30
## ENSG00000100749.9	5149

## ENSG00000232573.1	892
## ENSG00000234648.1	52
## ENSG00000127152.18	14
## ENSG00000183576.13	6313
## ENSG00000090061.17	2709
## ENSG00000205476.9	8059
## ENSG00000182218.10	154
## ENSG00000036530.9	35
## ENSG00000066629.19	2790
## ENSG00000196405.13	7214
## ENSG00000168350.8	17
## ENSG00000258982.1	16
## ENSG00000100811.15	12353
## ENSG00000258904.1	3
## ENSG00000197119.13	3662
## ENSG00000140105.18	21090
## ENSG00000176473.14	990
## ENSG00000183092.18	95
## ENSG00000185559.16	22788
## ENSG00000214548.18	30
## ENSG00000254656.3	473
## ENSG00000258498.10	122
## ENSG00000197406.8	1134
## ENSG00000241494.1	35
## ENSG00000258512.2	1
## ENSG00000078304.20	10168
## ENSG00000259088.1	28
## ENSG00000271780.2	95
## ENSG00000272444.1	10
## ENSG00000197102.14	54181
## ENSG00000080824.19	204703
## ENSG00000140153.18	2007
## ENSG00000080823.23	422
## ENSG00000022976.16	635
## ENSG00000100865.15	2394
## ENSG00000196663.16	3538
## ENSG00000156381.9	1242
## ENSG00000289862.1	6
## ENSG00000089902.10	4377
## ENSG00000131323.17	4718
## ENSG00000166126.11	166
## ENSG00000198752.11	12644
## ENSG00000259515.1	8
## ENSG00000213176.4	6
## ENSG00000289207.1	33
## ENSG00000283071.1	49
## ENSG00000205436.8	484
## ENSG00000185215.11	1798
## ENSG00000259374.3	4
## ENSG00000251533.2	107
## ENSG00000259775.1	26
## ENSG00000100664.11	34624
## ENSG00000243904.1	7
## ENSG00000075413.19	6486

## ENSG00000166165.14	78420
## ENSG00000260285.1	51
## ENSG00000166166.13	1808
## ENSG00000166170.12	6612
## ENSG00000126214.22	2057
## ENSG00000256053.9	2191
## ENSG00000246451.2	71
## ENSG00000270108.1	13
## ENSG00000269910.1	32
## ENSG00000269940.1	33
## ENSG00000269958.1	276
## ENSG00000126215.14	1142
## ENSG00000100711.14	1389
## ENSG00000088808.18	1552
## ENSG00000287346.1	144
## ENSG00000156411.10	7322
## ENSG00000166183.16	8
## ENSG00000066735.16	1743
## ENSG00000258986.7	888
## ENSG00000203485.14	8596
## ENSG00000185100.12	641
## ENSG00000184990.13	5270
## ENSG00000142208.18	18191
## ENSG00000179627.10	2035
## ENSG00000279140.1	7
## ENSG00000258701.1	213
## ENSG00000196183.5	3
## ENSG00000099814.17	8760
## ENSG00000166428.14	5
## ENSG00000185567.7	434
## ENSG00000140104.14	1157
## ENSG00000170779.11	2983
## ENSG00000183484.12	34
## ENSG00000257556.4	51
## ENSG00000184916.9	912
## ENSG00000183828.15	659
## ENSG00000185024.18	2271
## ENSG00000184887.14	2330
## ENSG00000179364.15	6461
## ENSG00000279495.1	83
## ENSG00000242085.1	7
## ENSG00000226174.7	12
## ENSG00000251602.7	447
## ENSG00000182979.18	8222
## ENSG00000257270.1	51
## ENSG00000182809.11	917
## ENSG00000213145.10	52
## ENSG00000185347.19	479
## ENSG00000184986.12	19
## ENSG00000225200.2	159
## ENSG00000258628.1	6
## ENSG00000290376.1	8
## ENSG00000273679.1	3
## ENSG00000291003.1	207

## ENSG00000290399.1	4
## ENSG00000274253.6	33
## ENSG00000170113.16	2934
## ENSG00000140157.16	5980
## ENSG00000273749.5	22221
## ENSG00000275835.5	2197
## ENSG00000274471.3	23
## ENSG00000260978.2	5
## ENSG00000254585.5	774
## ENSG00000182636.8	5151
## ENSG00000259905.7	5
## ENSG00000286110.1	21
## ENSG00000128739.23	4895
## ENSG00000241061.3	109
## ENSG00000242088.1	11
## ENSG00000273173.6	13
## ENSG00000224078.15	23247
## ENSG00000114062.22	13781
## ENSG00000289522.1	128
## ENSG00000206190.13	11
## ENSG00000166206.16	2133
## ENSG00000278840.1	20
## ENSG00000186297.12	20
## ENSG00000182256.13	105
## ENSG00000104044.16	194
## ENSG00000128731.18	7818
## ENSG00000256338.2	88
## ENSG00000291259.1	14
## ENSG00000206149.13	16
## ENSG00000291082.1	113
## ENSG00000290879.1	7
## ENSG00000291258.1	145
## ENSG00000261649.7	10
## ENSG00000289209.1	7
## ENSG00000034053.15	4520
## ENSG00000104059.5	1349
## ENSG00000185115.6	2033
## ENSG00000256802.3	91
## ENSG00000104067.17	16933
## ENSG00000234664.1	124
## ENSG00000259523.1	24
## ENSG00000225930.4	30
## ENSG00000166664.15	7
## ENSG00000289455.1	13
## ENSG00000186399.11	7
## ENSG00000270055.1	23
## ENSG00000261794.2	16
## ENSG00000247728.2	7
## ENSG00000285077.4	36
## ENSG00000198690.10	2122
## ENSG00000166912.17	1674
## ENSG00000259772.8	12
## ENSG00000259448.3	19
## ENSG00000169926.11	10995

## ENSG00000169918.10	125
## ENSG00000175344.19	96
## ENSG00000293141.1	12
## ENSG00000262728.6	12
## ENSG00000232653.9	9
## ENSG00000198826.11	3405
## ENSG00000166922.9	72
## ENSG00000166923.12	19
## ENSG00000248905.10	112
## ENSG00000198838.15	78
## ENSG00000259408.2	8
## ENSG00000169857.9	1877
## ENSG00000134153.10	3966
## ENSG00000182405.6	223
## ENSG00000134152.11	3192
## ENSG00000128463.13	5261
## ENSG00000140199.13	2012
## ENSG00000182117.7	7322
## ENSG00000176454.15	1601
## ENSG00000175265.19	665
## ENSG00000279092.1	8
## ENSG00000259917.1	74
## ENSG00000261559.1	12
## ENSG00000215252.12	445
## ENSG00000159248.5	207
## ENSG00000250007.8	12
## ENSG00000159251.9	2122
## ENSG00000021776.11	10056
## ENSG00000231409.3	18
## ENSG00000198146.4	8007
## ENSG00000259397.3	10
## ENSG00000134146.12	1105
## ENSG00000248079.4	12
## ENSG00000186073.14	1276
## ENSG00000259280.2	4
## ENSG00000134138.22	10601
## ENSG00000288808.1	29
## ENSG00000274444.1	9
## ENSG00000236914.4	49
## ENSG00000166068.13	5579
## ENSG00000171262.11	10941
## ENSG00000172575.14	509
## ENSG00000286786.1	14
## ENSG00000259345.7	27
## ENSG00000137801.11	48677
## ENSG00000276107.1	10
## ENSG00000150667.8	108
## ENSG00000261136.1	25
## ENSG00000166073.12	124
## ENSG00000128829.12	11737
## ENSG00000140319.11	23343
## ENSG00000248508.10	209
## ENSG00000104081.14	8394
## ENSG00000156970.13	7348

## ENSG00000137843.12	1075
## ENSG00000273786.1	5
## ENSG00000176753.5	11
## ENSG00000137841.12	84
## ENSG00000259330.3	1510
## ENSG00000188549.13	28
## ENSG00000140323.6	216
## ENSG00000128944.14	5368
## ENSG00000128928.10	5986
## ENSG00000140320.12	2998
## ENSG00000169105.8	3609
## ENSG00000259536.5	7
## ENSG00000128891.17	780
## ENSG00000223313.1	15
## ENSG00000166133.18	2085
## ENSG00000137812.21	2903
## ENSG00000245849.8	138
## ENSG00000051180.17	1844
## ENSG00000137824.16	3719
## ENSG00000137880.6	310
## ENSG00000104129.10	1406
## ENSG00000188277.10	76
## ENSG00000166140.17	1667
## ENSG00000166143.10	13
## ENSG00000261183.7	295
## ENSG00000166145.15	25768
## ENSG00000104140.7	196
## ENSG00000104142.11	6141
## ENSG00000251161.4	38
## ENSG00000128917.8	225
## ENSG00000259405.1	7
## ENSG00000128965.13	955
## ENSG00000128908.19	3169
## ENSG00000157021.9	75
## ENSG00000187446.12	17723
## ENSG00000247556.7	17589
## ENSG00000104147.9	136
## ENSG00000137804.14	10
## ENSG00000137806.10	1181
## ENSG00000137815.15	13396
## ENSG00000137825.11	125
## ENSG00000062524.16	45
## ENSG00000103932.12	7354
## ENSG00000259838.1	3
## ENSG00000092445.12	12690
## ENSG00000174197.19	8047
## ENSG00000137802.14	2198
## ENSG00000168970.22	28
## ENSG00000137877.10	130
## ENSG00000103966.11	6122
## ENSG00000278493.1	31
## ENSG00000246740.2	9
## ENSG00000166887.16	7742
## ENSG00000103978.17	5672

## ENSG00000214013.10	843
## ENSG00000258461.5	6
## ENSG00000092529.26	12
## ENSG00000103994.18	10130
## ENSG00000092531.10	3492
## ENSG00000180979.10	1319
## ENSG00000137814.12	2856
## ENSG00000260490.2	31
## ENSG00000159433.12	254
## ENSG00000140326.13	1687
## ENSG00000274403.1	10
## ENSG00000128881.18	1236
## ENSG00000260799.1	5
## ENSG00000159459.12	3222
## ENSG00000205871.5	133
## ENSG00000137842.7	1735
## ENSG00000166946.14	2433
## ENSG00000168806.8	2106
## ENSG00000168803.16	954
## ENSG00000140265.14	5270
## ENSG00000137822.13	3213
## ENSG00000067369.14	13590
## ENSG00000166963.13	1605
## ENSG00000168781.24	832
## ENSG00000237289.10	427
## ENSG00000166762.19	60
## ENSG00000275601.1	15
## ENSG00000223572.10	356
## ENSG00000291053.1	18
## ENSG00000167004.14	112253
## ENSG00000128886.12	46
## ENSG00000140264.22	22863
## ENSG00000242028.8	15
## ENSG00000140259.7	6500
## ENSG00000092470.12	1434
## ENSG00000171877.21	1095
## ENSG00000227973.1	14
## ENSG00000185607.5	5
## ENSG00000289277.1	9
## ENSG00000166734.20	8091
## ENSG00000137770.14	5436
## ENSG00000259563.1	4
## ENSG00000179523.7	558
## ENSG00000104131.13	13812
## ENSG00000104133.16	6660
## ENSG00000259659.1	11
## ENSG00000229474.8	3
## ENSG00000166710.23	28562
## ENSG00000185880.13	3619
## ENSG00000290387.1	2462
## ENSG00000140263.15	9791
## ENSG00000140279.13	4409
## ENSG00000140274.14	607
## ENSG00000140254.13	24

## ENSG00000137857.18	214
## ENSG00000138606.20	2357
## ENSG00000259520.6	20
## ENSG00000137860.12	113
## ENSG00000171766.17	4624
## ENSG00000171763.20	1085
## ENSG00000166920.13	61
## ENSG00000104154.7	541
## ENSG00000293154.1	17
## ENSG00000104164.12	6669
## ENSG00000137767.14	139
## ENSG00000259200.2	13
## ENSG00000137872.17	1359
## ENSG00000213862.4	79
## ENSG00000104177.20	5118
## ENSG00000259488.2	10
## ENSG00000128951.14	2424
## ENSG00000166147.15	1561
## ENSG00000103995.14	825
## ENSG00000185634.12	32
## ENSG00000255302.5	19373
## ENSG00000259500.1	4
## ENSG00000138593.9	5144
## ENSG00000166200.15	13142
## ENSG00000156958.15	1057
## ENSG00000166262.16	246
## ENSG00000275580.1	12
## ENSG00000259531.2	8
## ENSG00000140285.12	22
## ENSG00000104047.15	2174
## ENSG00000104043.15	56
## ENSG00000140284.11	933
## ENSG00000104064.18	3079
## ENSG00000285410.1	681
## ENSG00000244879.10	1020
## ENSG00000138592.14	5119
## ENSG00000170236.16	9
## ENSG00000092439.16	4792
## ENSG00000138600.11	4030
## ENSG00000273674.6	22
## ENSG00000081014.11	1797
## ENSG00000183578.8	21
## ENSG00000137869.16	5
## ENSG00000186417.15	9
## ENSG00000104093.14	2448
## ENSG00000259668.6	9
## ENSG00000104112.9	6065
## ENSG00000140280.14	159
## ENSG00000128872.10	1347
## ENSG00000138594.14	9141
## ENSG00000259556.2	15
## ENSG00000166477.13	4917
## ENSG00000069956.14	23623
## ENSG00000259438.1	8

## ENSG00000274528.1	44
## ENSG00000242327.1	11
## ENSG00000137875.4	15
## ENSG00000069966.19	2210
## ENSG00000259577.2	50
## ENSG00000128833.13	3192
## ENSG00000197535.16	3957
## ENSG00000231169.4	20
## ENSG00000128989.11	31942
## ENSG00000260618.1	17
## ENSG00000047346.13	4415
## ENSG00000169856.9	2598
## ENSG00000259203.4	164
## ENSG00000214896.4	5
## ENSG00000259612.1	213
## ENSG00000166415.15	7885
## ENSG00000280362.1	45
## ENSG00000259669.6	12
## ENSG00000137766.18	1199
## ENSG00000279145.2	102
## ENSG00000137876.11	15227
## ENSG00000069974.17	1252
## ENSG00000276533.1	3
## ENSG00000225973.4	290
## ENSG00000069943.10	672
## ENSG00000260916.8	791
## ENSG00000277548.1	1
## ENSG00000261652.3	131
## ENSG00000256061.7	79
## ENSG00000171016.13	1461
## ENSG00000285805.1	26
## ENSG00000166450.13	25579
## ENSG00000069869.17	2042
## ENSG00000230183.4	6
## ENSG00000181827.16	6132
## ENSG00000151575.15	1191
## ENSG00000138587.6	686
## ENSG00000277245.1	8
## ENSG00000137871.21	1315
## ENSG00000274667.1	22
## ENSG00000285331.2	122
## ENSG00000140262.18	11579
## ENSG00000247982.7	29
## ENSG00000128849.11	2445
## ENSG00000240874.1	11
## ENSG00000263155.6	253
## ENSG00000137878.17	345
## ENSG00000255529.9	3558
## ENSG00000128918.15	128
## ENSG00000166035.11	1140
## ENSG00000259250.1	91
## ENSG00000137845.15	23095
## ENSG00000282100.1	34
## ENSG00000245975.2	46

## ENSG00000128923.11	2933
## ENSG00000157450.16	4045
## ENSG00000137776.17	10609
## ENSG00000157456.8	6726
## ENSG00000259732.1	4
## ENSG00000157483.9	5749
## ENSG00000157470.12	77
## ENSG00000140297.13	1622
## ENSG00000140307.11	5295
## ENSG00000140299.14	3713
## ENSG00000259657.1	8
## ENSG00000234797.5	5289
## ENSG00000182718.18	127025
## ENSG00000128915.12	5269
## ENSG00000245534.7	18
## ENSG00000069667.16	387
## ENSG00000129003.19	4642
## ENSG00000198535.5	250
## ENSG00000205502.4	81
## ENSG00000274340.1	27
## ENSG00000171914.17	12695
## ENSG00000259370.2	18
## ENSG00000259727.1	7
## ENSG00000259394.2	7
## ENSG00000140416.25	35754
## ENSG00000259498.1	17
## ENSG00000103642.12	1274
## ENSG00000185088.14	10776
## ENSG00000166128.13	4941
## ENSG00000138613.14	1711
## ENSG00000074410.14	564
## ENSG00000276651.1	10
## ENSG00000140455.17	5540
## ENSG00000259248.7	14
## ENSG00000197361.8	18
## ENSG00000103657.14	4728
## ENSG00000035664.11	572
## ENSG00000166797.11	4683
## ENSG00000028528.15	7257
## ENSG00000157734.14	345
## ENSG00000166794.6	34123
## ENSG00000169118.18	3456
## ENSG00000259316.12	9
## ENSG00000166803.14	1479
## ENSG00000103671.10	2658
## ENSG00000180357.10	10637
## ENSG00000248415.1	5
## ENSG00000180304.14	10191
## ENSG00000264937.1	5
## ENSG00000166831.9	2874
## ENSG00000140451.13	257
## ENSG00000241839.10	620
## ENSG00000166839.18	76
## ENSG00000090487.11	10675

## ENSG00000103707.10	1498
## ENSG00000186198.4	114
## ENSG00000103710.11	180
## ENSG00000246922.10	52
## ENSG00000090470.15	3187
## ENSG00000166855.9	5628
## ENSG00000138615.6	10
## ENSG00000138617.16	1406
## ENSG00000174498.14	16809
## ENSG00000103742.12	1505
## ENSG00000074603.19	3817
## ENSG00000074696.13	43331
## ENSG00000138614.16	6026
## ENSG00000074621.14	955
## ENSG00000174485.16	2814
## ENSG00000103769.10	28794
## ENSG00000157890.19	35
## ENSG00000166938.13	4029
## ENSG00000075131.10	1252
## ENSG00000169032.11	4413
## ENSG00000243404.2	10
## ENSG00000261351.2	55
## ENSG00000174446.13	1974
## ENSG00000174444.15	283187
## ENSG00000174442.12	4544
## ENSG00000188501.12	78
## ENSG00000137834.15	1170
## ENSG00000270490.1	5
## ENSG00000259347.9	26
## ENSG00000166949.17	7868
## ENSG00000103591.13	9510
## ENSG00000103599.20	221
## ENSG00000259673.6	396
## ENSG00000189227.6	296
## ENSG00000270964.1	76
## ENSG00000137764.20	1973
## ENSG00000188779.12	14
## ENSG00000245719.1	11
## ENSG00000206625.1	7
## ENSG00000033800.14	7506
## ENSG00000260007.3	113
## ENSG00000129007.16	7
## ENSG00000128973.13	3449
## ENSG00000169018.6	10209
## ENSG00000137809.17	38
## ENSG00000103647.13	1092
## ENSG00000140350.15	36403
## ENSG00000138604.10	1824
## ENSG00000261634.4	3
## ENSG00000137819.14	743
## ENSG00000259426.6	56
## ENSG00000137807.16	5371
## ENSG00000137818.12	106655
## ENSG00000245750.11	384

## ENSG00000140332.18	8851
## ENSG00000280639.1	19
## ENSG00000137831.15	15273
## ENSG00000166173.11	2174
## ENSG00000137821.12	1785
## ENSG00000259470.2	13
## ENSG00000129028.9	612
## ENSG00000242276.2	20
## ENSG00000187720.15	1894
## ENSG00000259781.1	1112
## ENSG00000212664.5	98
## ENSG00000278570.5	9
## ENSG00000260037.5	6
## ENSG00000066933.17	4001
## ENSG00000166192.15	471
## ENSG00000175318.12	217
## ENSG00000067225.21	142676
## ENSG00000137817.17	2474
## ENSG00000213614.11	3573
## ENSG00000261423.3	44
## ENSG00000166233.15	11873
## ENSG00000140463.14	1760
## ENSG00000159322.18	5691
## ENSG00000260898.6	6
## ENSG00000067141.17	23997
## ENSG00000138622.4	1602
## ENSG00000156642.17	9584
## ENSG00000281183.1	38
## ENSG00000103855.18	22645
## ENSG00000205363.7	132
## ENSG00000260469.3	13
## ENSG00000261801.8	831
## ENSG00000129038.16	3711
## ENSG00000067221.14	415
## ENSG00000140464.20	2728
## ENSG00000287543.1	5
## ENSG00000167178.17	94
## ENSG00000248540.3	27
## ENSG00000129009.13	1
## ENSG00000137868.19	836
## ENSG00000140481.15	59
## ENSG00000277749.1	12
## ENSG00000140459.18	153
## ENSG00000293337.1	10
## ENSG00000261821.2	11
## ENSG00000138623.10	858
## ENSG00000138629.16	6419
## ENSG00000247240.10	439
## ENSG00000179361.18	11194
## ENSG00000179335.20	4599
## ENSG00000179151.13	5819
## ENSG00000140465.15	828
## ENSG00000103653.17	6399
## ENSG00000140474.14	1831

## ENSG00000140497.16	6510
## ENSG00000178802.18	4101
## ENSG00000178761.15	1228
## ENSG00000178741.12	12672
## ENSG00000178718.7	1558
## ENSG00000198794.12	10630
## ENSG00000138621.12	634
## ENSG00000240366.1	10
## ENSG00000167173.19	7840
## ENSG00000140365.16	4290
## ENSG00000275645.1	7
## ENSG00000140398.14	237
## ENSG00000140400.18	1955
## ENSG00000260274.2	47
## ENSG00000169375.17	11177
## ENSG00000276744.1	7
## ENSG00000169410.11	5903
## ENSG00000260269.5	10
## ENSG00000169371.14	1102
## ENSG00000177971.9	3092
## ENSG00000275454.1	7
## ENSG00000173548.9	4146
## ENSG00000173546.7	170
## ENSG00000203392.3	17
## ENSG00000182950.3	5
## ENSG00000246877.2	10
## ENSG00000140367.12	5102
## ENSG00000167196.14	8000
## ENSG00000169752.17	79
## ENSG00000169758.13	39
## ENSG00000140374.17	10928
## ENSG00000259581.3	5
## ENSG00000159556.10	25
## ENSG00000140386.13	1884
## ENSG00000117906.14	20771
## ENSG00000140368.14	15
## ENSG00000140391.15	34377
## ENSG00000278991.1	28
## ENSG00000269951.1	43
## ENSG00000173517.11	3924
## ENSG00000140382.15	5013
## ENSG00000259362.2	7
## ENSG00000169783.13	3283
## ENSG00000261143.2	89
## ENSG00000167202.12	2542
## ENSG00000183476.13	24
## ENSG00000136425.14	2237
## ENSG00000166411.14	1317
## ENSG00000103740.10	4
## ENSG00000140403.13	362
## ENSG00000140395.9	3989
## ENSG00000259562.2	19
## ENSG00000166426.8	323
## ENSG00000136381.13	17323

## ENSG00000188266.14	244
## ENSG00000041357.16	19037
## ENSG00000169684.13	514
## ENSG00000261762.1	131
## ENSG00000080644.16	1717
## ENSG00000117971.12	410
## ENSG00000259555.1	6
## ENSG00000136378.15	8213
## ENSG00000185787.15	44634
## ENSG00000243711.1	11
## ENSG00000252061.1	12
## ENSG00000103811.18	7736
## ENSG00000058335.16	41
## ENSG00000166557.14	8172
## ENSG00000287408.1	1
## ENSG00000169330.9	171
## ENSG00000136371.11	219
## ENSG00000259332.3	8
## ENSG00000286813.1	6
## ENSG00000180953.11	102
## ENSG00000278600.1	91
## ENSG00000259642.2	316
## ENSG00000086666.19	7229
## ENSG00000103876.14	2551
## ENSG00000259417.3	1014
## ENSG00000259495.3	393
## ENSG00000172379.22	5153
## ENSG00000136379.12	3179
## ENSG00000103888.17	975
## ENSG00000117899.11	9681
## ENSG00000277782.1	24
## ENSG00000140406.4	2646
## ENSG00000156206.14	10
## ENSG00000172349.19	12
## ENSG00000172345.14	87
## ENSG00000259343.9	42
## ENSG00000188869.13	36
## ENSG00000259692.6	51
## ENSG00000183496.6	1015
## ENSG00000140598.16	1514
## ENSG00000188659.10	147
## ENSG00000274376.5	39
## ENSG00000278662.6	40
## ENSG00000290945.1	92
## ENSG00000293320.1	553
## ENSG00000278202.1	10
## ENSG00000197978.10	326
## ENSG00000276710.5	11
## ENSG00000290947.1	182
## ENSG00000278603.1	6
## ENSG00000290948.1	575
## ENSG00000182774.13	599
## ENSG00000214575.10	87
## ENSG00000103723.17	288

```
## ENSG00000259707.1      6
## ENSG00000250988.7      48
## ENSG00000252690.3      12
## ENSG00000156232.7      967
## ENSG00000103942.13     1864
## ENSG00000169612.4      1636
## ENSG00000169609.14     1266
## ENSG00000288850.1       15
## ENSG00000064726.10     7705
## ENSG00000286872.1        1
## ENSG00000136404.16      13
## ENSG00000166503.9      12271
## ENSG00000169594.14       76
## ENSG00000140600.17      189
## [ reached getOption("max.print") -- omitted 6721 rows ]
```

I choose this method for filtering the reads because I saw that most counts have less than 5 counts or more than 5 counts. So I choose 5 counts as my minimum threshold for the counts. The variable `smallestGroupSize` is the way that I also filtered the genes that have significant gene expression, such that at least 3 samples must have 5 or more counts to be kept in the filtered counts data. This corresponds to the fact that in our current study we have 3 replicates for each treatment.

```
dim(filt_counts)
```

```
## [1] 23387      6
```

After filtering there is 23387 genes that are somewhat interesting for the 6 samples.

Differential Expression Analysis

To see the table of top 10 differentially expressed genes provided by DESeq2 ranked by `padj`, go to the section called “Table of top 10 significant genes ranked by `padj`”.

We choose a p-value of 0.05, such that genes that were considered significantly differential expressed had a `padj` value of less than 0.05, regardless if the gene was up-regulated or down-regulated. At this p-value of 0.05, there was 1,227 genes that was considered significant.

After doing ENRICH analysis (the image is included in the directory under KEGG 2021...png) on the genes that were significantly expressed, it was observed that there was an enrichment for pathways in PI3K-Akt signalling, ECM-receptor interaction, Maturity onset diabetes of the young, GABAergic synapse, and p53 signaling pathway. Some of these pathways makes sense such as PI3K-Akt signalling and maturity onset diabetes of the young as both are implicated in diabetes. The first is the main insulin signalling pathway that regulates the metabolism of glucose (<https://pubmed.ncbi.nlm.nih.gov/30263000/>) and the latter is evident that our cell line is immature pancreatic cells that leads to diabetes (KEGG Entry# map04950). The other pathways like ECM-R interaction is related to diabetes, as the integrin receptors interact with ECM proteins to affect glucose uptake (<https://pmc.ncbi.nlm.nih.gov/articles/PMC4490038/>), GABAergic synapse pathways are affected as there are interlinks between glucose and GABA signalling to produce neuronal excitability and homeostatic state of glucose (<https://pmc.ncbi.nlm.nih.gov/articles/PMC3198728/>), and p53 signaling seems to promote insulin resistance and obesity (<https://pmc.ncbi.nlm.nih.gov/articles/PMC5282448/>). Overall, the top pathways that are enriched seems to make intuitive sense in the experiment’s context.

The top up-regulated pathways ($p = 0.05$) enriched in fgsea analysis were MIKKELSEN_MEF_HCP_WITH_H3K27ME3, MIKKELSEN_MCV6_HCP_WITH_H3K27ME3, REACTOME_NEURONAL_SYSTEM, FISCHER_DIRECT_P53_TARGETS_META_ANALYSIS, and MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27M. The first 2 and last pathways are involved in histone modifications which affects gene expression at the transcription level. These histone modifications may be important in differentiation of the cells

and this specific mark is associated with gene repression. It could be that this pathway is upregulated at the S5 state in order to repress genes that are not associated with the next stage of development for these cells. The top down-regulated pathways ($p = 0.05$) enriched in fgsea analysis were DIRECT_P53_TARGETS_META_ANALYSIS, PER_BREAST_BASAL_VS_LUMINAL_UP, PID_P53_DOWNSTREAM_PATHWAY, SAUL_SEN_MAYO, and IGLESIAS_E2F_TARGETS_UP. The first and third pathways corresponds with the results from the ENRICH analysis such that p53 pathways are significant. The SAUL_SEN_MAYO pathway enrichment makes some intuitive sense such that these cells are not suppose to to be showing senescence as they are very naive cells are in the beginning stages of development. For this pathway to be down-regulated makes sense in the context of the cellular model used. IGLESIAS_E2F_TARGETS_UP seems to be pathways involved in cell growth control especially in cancer. Additionally this pathway has been studied in the context of pancreatic cells, such that E2F receptors are important to control the growth of mature pancreatic cells and is required for the maintenance of differentiated pancreatic phenotype.

There was a few similar area of pathway enrichment which involved p53 in both ENRICH and fgsea such presence of p53 and neuronal related pathways, both of which makes contextual sense in diabetes and glucose uptake regulation. However, we observe that the differences between the results of both analyses vary a lot more. Such that ENRICH analysis is more specific on the molecular level focusing more on proteins or biological molecules and fgsea analysis focus on high-level pathways.

Generating the colData

We need to manually create the colData.csv file which DESeq2 refers to understand what types of comparisons we want to make. Here, we want to make a comparison between the control and experimental replicates. With this .csv file and the design formula we will be able to make a comparison between the different types of sample (control and experiment).

```
coldata <- read.csv("colData.csv")
coldata
```

```
##           treatment
## control_rep2      con
## exp_rep1          exp
## control_rep1      con
## exp_rep2          exp
## exp_rep3          exp
## control_rep3      con
```

The Design Formula

Here, we are interested in the differential gene expression as a result of treatment either control or experiment. For each treatment condition we have 3 replicates, so we want to compare these replicates against each other.

Our design formula will be: treatment

DESeq2 object

```
dds <- DESeqDataSetFromMatrix(countData = filt_counts,
                              colData = coldata,
                              design = ~ treatment)
```

```
## Warning in DESeqDataSet(se, design = design, ignoreRank): some variables in
## design formula are characters, converting to factors
```

Running DESeq

We will run DESeq on the object that we created.

```
dds <- DESeq(dds)

## estimating size factors
## estimating dispersions
## gene-wise dispersion estimates
## mean-dispersion relationship
## final dispersion estimates
## fitting model and testing
res <- results(dds, contrast = c("treatment", "con", "exp"))
res

## log2 fold change (MLE): treatment con vs exp
## Wald test p-value: treatment con vs exp
## DataFrame with 23387 rows and 6 columns
##
```

	baseMean	log2FoldChange	lfcSE	stat	pvalue
	<numeric>	<numeric>	<numeric>	<numeric>	<numeric>
## ENSG00000227232.6	180.03538	-0.1491240	0.174430	-0.854923	0.392594
## ENSG00000233750.3	6.01786	-0.0845390	0.784978	-0.107696	0.914237
## ENSG00000268903.1	58.40362	-0.0472686	0.255040	-0.185338	0.852964
## ENSG00000269981.1	36.15893	-0.0442786	0.348503	-0.127054	0.898898
## ENSG00000241860.7	27.91140	-0.3371623	0.408447	-0.825473	0.409103
##
## ENSG00000271254.7	652.6618	-0.0652961	0.117618	-0.5551545	0.578789
## ENSG00000275987.1	62.7442	0.0310679	0.242221	0.1282625	0.897941
## ENSG00000277475.1	75.8783	0.3667553	0.248914	1.4734225	0.140637
## ENSG00000278817.1	13.6086	-0.2420421	0.517247	-0.4679430	0.639825
## ENSG00000277196.4	98.7188	-0.0147520	0.215696	-0.0683925	0.945473
##	padj				
##	<numeric>				
## ENSG00000227232.6	0.863531				
## ENSG00000233750.3	NA				
## ENSG00000268903.1	0.985800				
## ENSG00000269981.1	0.991631				
## ENSG00000241860.7	0.872799				
##				
## ENSG00000271254.7	0.943822				
## ENSG00000275987.1	0.991631				
## ENSG00000277475.1	0.588585				
## ENSG00000278817.1	0.955928				
## ENSG00000277196.4	0.995709				

Table of top 10 significant genes ranked by padj

We will generate a table that contains the top ranked genes according to padj value. The lowest padj value is at the top and increases as you go down the table.

```
resOrdered <- res[order(res$padj),]
deseq2_res <- as_tibble(resOrdered, rownames='gene')
deseq2_res

## # A tibble: 23,387 x 7
##   gene          baseMean log2FoldChange lfcSE  stat    pvalue    padj
```

```
##      <chr>                <dbl>          <dbl> <dbl> <dbl>      <dbl>      <dbl>
## 1 ENSG00000129824.16    10669.          8.77 0.145  60.7 0          0
## 2 ENSG00000289575.1      730.          -3.70 0.126 -29.3 1.82e-188 1.80e-184
## 3 ENSG00000108439.11     604.           4.16 0.143  29.1 1.08e-186 7.11e-183
## 4 ENSG00000253846.3     496.          -4.48 0.198 -22.6 2.35e-113 1.16e-109
## 5 ENSG00000250616.4     524.           2.42 0.118  20.6 4.58e- 94 1.81e- 90
## 6 ENSG00000251129.3    1300.           1.72 0.101  17.0 3.97e- 65 1.31e- 61
## 7 ENSG00000289456.1     383.           2.13 0.144  14.8 2.18e- 49 5.97e- 46
## 8 ENSG00000286339.1     906.           1.72 0.116  14.8 2.42e- 49 5.97e- 46
## 9 ENSG00000282914.1     121.          -3.76 0.264 -14.2 5.53e- 46 1.21e- 42
## 10 ENSG00000291093.1    153.          -2.88 0.205 -14.1 6.72e- 45 1.33e- 41
## # i 23,377 more rows

top_10_genes <- head(deseq2_res, 10)
write.table(top_10_genes, "top_10_genes.txt", col.names = FALSE, row.names = FALSE, quote = FALSE)

top_10_genes

## # A tibble: 10 x 7
##   gene                baseMean log2FoldChange lfcSE  stat      pvalue      padj
##   <chr>                <dbl>          <dbl> <dbl> <dbl>      <dbl>      <dbl>
## 1 ENSG00000129824.16    10669.          8.77 0.145  60.7 0          0
## 2 ENSG00000289575.1      730.          -3.70 0.126 -29.3 1.82e-188 1.80e-184
## 3 ENSG00000108439.11     604.           4.16 0.143  29.1 1.08e-186 7.11e-183
## 4 ENSG00000253846.3     496.          -4.48 0.198 -22.6 2.35e-113 1.16e-109
## 5 ENSG00000250616.4     524.           2.42 0.118  20.6 4.58e- 94 1.81e- 90
## 6 ENSG00000251129.3    1300.           1.72 0.101  17.0 3.97e- 65 1.31e- 61
## 7 ENSG00000289456.1     383.           2.13 0.144  14.8 2.18e- 49 5.97e- 46
## 8 ENSG00000286339.1     906.           1.72 0.116  14.8 2.42e- 49 5.97e- 46
## 9 ENSG00000282914.1     121.          -3.76 0.264 -14.2 5.53e- 46 1.21e- 42
## 10 ENSG00000291093.1    153.          -2.88 0.205 -14.1 6.72e- 45 1.33e- 41
```

Joining Gene names to the DESeq table

Load the readr library to be able to read in the csv file.

```
library(readr)

ids <- read_tsv(("genes.csv"), col_names = c("gene", "symbol"))

## Rows: 63241 Columns: 2
## -- Column specification -----
## Delimiter: "\t"
## chr (2): gene, symbol
##
## i Use `spec()` to retrieve the full column specification for this data.
## i Specify the column types or set `show_col_types = FALSE` to quiet this message.

ids

## # A tibble: 63,241 x 2
##   gene                symbol
##   <chr>                <chr>
## 1 ENSG00000290825.1 DDX11L2
## 2 ENSG00000223972.6 DDX11L1
## 3 ENSG00000227232.6 WASH7P
## 4 ENSG00000278267.1 MIR6859-1
```

```
## 5 ENSG00000243485.5 MIR1302-2HG
## 6 ENSG00000284332.1 MIR1302-2
## 7 ENSG00000237613.2 FAM138A
## 8 ENSG00000268020.3 OR4G4P
## 9 ENSG00000290826.1 ENSG00000290826
## 10 ENSG00000240361.3 OR4G11P
## # i 63,231 more rows
```

Joining the deseq2 object with the .csv file with the gene names.

```
deseq2_res <- deseq2_res %>% left_join(ids) %>% relocate(symbol)
```

```
## Joining with `by = join_by(gene)`
```

```
deseq2_res
```

```
## # A tibble: 23,387 x 8
##   symbol      gene baseMean log2FoldChange lfcSE  stat      pvalue      padj
##   <chr>      <chr>    <dbl>         <dbl> <dbl> <dbl>    <dbl>    <dbl>
## 1 RPS4Y1     ENSG~    10669.         8.77 0.145  60.7 0          0
## 2 ENSG00000289575 ENSG~      730.        -3.70 0.126 -29.3 1.82e-188 1.80e-184
## 3 PNPO       ENSG~      604.         4.16 0.143  29.1 1.08e-186 7.11e-183
## 4 PCDHGA10   ENSG~      496.        -4.48 0.198 -22.6 2.35e-113 1.16e-109
## 5 YPEL3-DT   ENSG~      524.         2.42 0.118  20.6 4.58e- 94 1.81e- 90
## 6 LINC02506  ENSG~    1300.         1.72 0.101  17.0 3.97e- 65 1.31e- 61
## 7 ENSG00000289456 ENSG~      383.         2.13 0.144  14.8 2.18e- 49 5.97e- 46
## 8 ENSG00000286339 ENSG~      906.         1.72 0.116  14.8 2.42e- 49 5.97e- 46
## 9 ENSG00000282914 ENSG~      121.        -3.76 0.264 -14.2 5.53e- 46 1.21e- 42
## 10 SVIL-AS1  ENSG~      153.        -2.88 0.205 -14.1 6.72e- 45 1.33e- 41
## # i 23,377 more rows
```

ENRICHR Analysis

Based on what was given in the paper, the authors used a FDR of < 0.01 to filter for significantly expressed genes for both up-regulated and down-regulated. Here we will be using a padj value of < 0.05 and a log2FoldChange of greater than 0 or less than 0 to get the significantly expressed genes that were up-regulated and down-regulated.

```
filtered_deseq2 <- deseq2_res %>% filter(padj < .05 & (log2FoldChange > 0 | log2FoldChange < 0)) %>% select(
```

```
write.table(filtered_deseq2, "interesting_genes.txt", col.names = FALSE, row.names = FALSE, quote = FALSE)
```

```
filtered_deseq2
```

```
## # A tibble: 1,227 x 1
##   symbol
##   <chr>
## 1 RPS4Y1
## 2 ENSG00000289575
## 3 PNPO
## 4 PCDHGA10
## 5 YPEL3-DT
## 6 LINC02506
## 7 ENSG00000289456
## 8 ENSG00000286339
## 9 ENSG00000282914
```

```
## 10 SVIL-AS1
## # i 1,217 more rows
```

GSEA Analysis

We will perform GSEA Analysis using log2FoldChange as the ranking metric.

```
fgseaOrdered <- deseq2_res %>% arrange(desc(log2FoldChange)) %>% drop_na(log2FoldChange) %>% distinct(symbol)

rnk_list <- setNames(fgseaOrdered$log2FoldChange, fgseaOrdered$symbol)
```

Read in the GMT pathways file

```
library('fgsea')

pathways <- gmtPathways("c2.all.v2025.1.Hs.symbols.gmt")
head(pathways)
```

```
## $ABBUD_LIF_SIGNALING_1_DN
## [1] "AHNAK"      "ALCAM"      "ANKRD40"    "ARID1A"    "BCKDHB"    "C16orf89"
## [7] "CAPN9"      "CD24"       "CYFIP1"    "DCAF11"    "DDC"       "EFNA2"
## [13] "ENPP2"      "FOXA2"      "GRIA2"      "HK2"       "HOXC9"     "ITGA6"
## [19] "KLRB1"      "LIMS1"      "MTSS2"      "OSTF1"     "PELI1"     "REXO2"
## [25] "STEEP1"     "SUCLA2"     "SYTL4"     "TSPAN7"
##
## $ABBUD_LIF_SIGNALING_1_UP
## [1] "ACAA2"      "ALDOC"      "ANXA8L1"    "BCL3"      "CEBPB"     "CXCL14"
## [7] "CYB561"     "ELF3"       "FBP1"       "FGG"       "GPCPD1"    "GPX3"
## [13] "GRAMD2B"    "HAS1"       "IL1R1"      "IRF1"      "KLF10"     "KNG1"
## [19] "LBP"        "LCN2"       "LRG1"       "MAN1A1"    "MPO"       "NMI"
## [25] "PSMB8"      "PTPN1"      "RASA3"      "RGS4"      "RHOU"      "RNASE2"
## [31] "SCT"        "SOCS3"      "SQOR"       "ST3GAL1"   "STAT3"     "TAPBP"
## [37] "TMEM176A"   "TMEM176B"   "TNFRSF1A"   "TSPAN4"    "UPP1"      "VWF"
## [43] "XBP1"
##
## $ABBUD_LIF_SIGNALING_2_DN
## [1] "CGA"        "CITED2"     "NALCN"      "PITX2"     "PTHLH"     "SCN1A"   "ZNF280D"
##
## $ABBUD_LIF_SIGNALING_2_UP
## [1] "ATP1B1"     "COL11A1"    "DAB2"       "DCN"       "DIO2"      "EZR"     "FGFR1"
## [8] "GPX2"       "JUNB"       "NRP1"       "PFKP"      "PPP2R2B"   "PTPRO"
##
## $ABDELMOHSEN_ELAVL4_TARGETS
## [1] "BCL2"       "CAB39"      "CASP3"      "CDC42"     "CDH2"      "DLG4"
## [7] "EIF2AK2"    "ITGA1"      "ITGB1"      "KCNQ2"     "KMT5A"     "LEPROTL1"
## [13] "NCAM1"      "PARP1"      "RAB10"      "RHOA"
##
## $ABDULRAHMAN_KIDNEY_CANCER_VHL_DN
## [1] "ACTA2"      "ALDH1A1"    "ALDH3B1"    "ITGB3BP"   "MPPE1"     "MTMR3"   "PALLD"
## [8] "PJA2"      "RHOBTB1"    "SEC31A"     "SNRPN"     "STX11"     "UGT2B7"
```

Perform the FGSEA Analysis

```
fgseaRes <- fgsea(pathways = pathways,
                  stats = rnk_list,
```

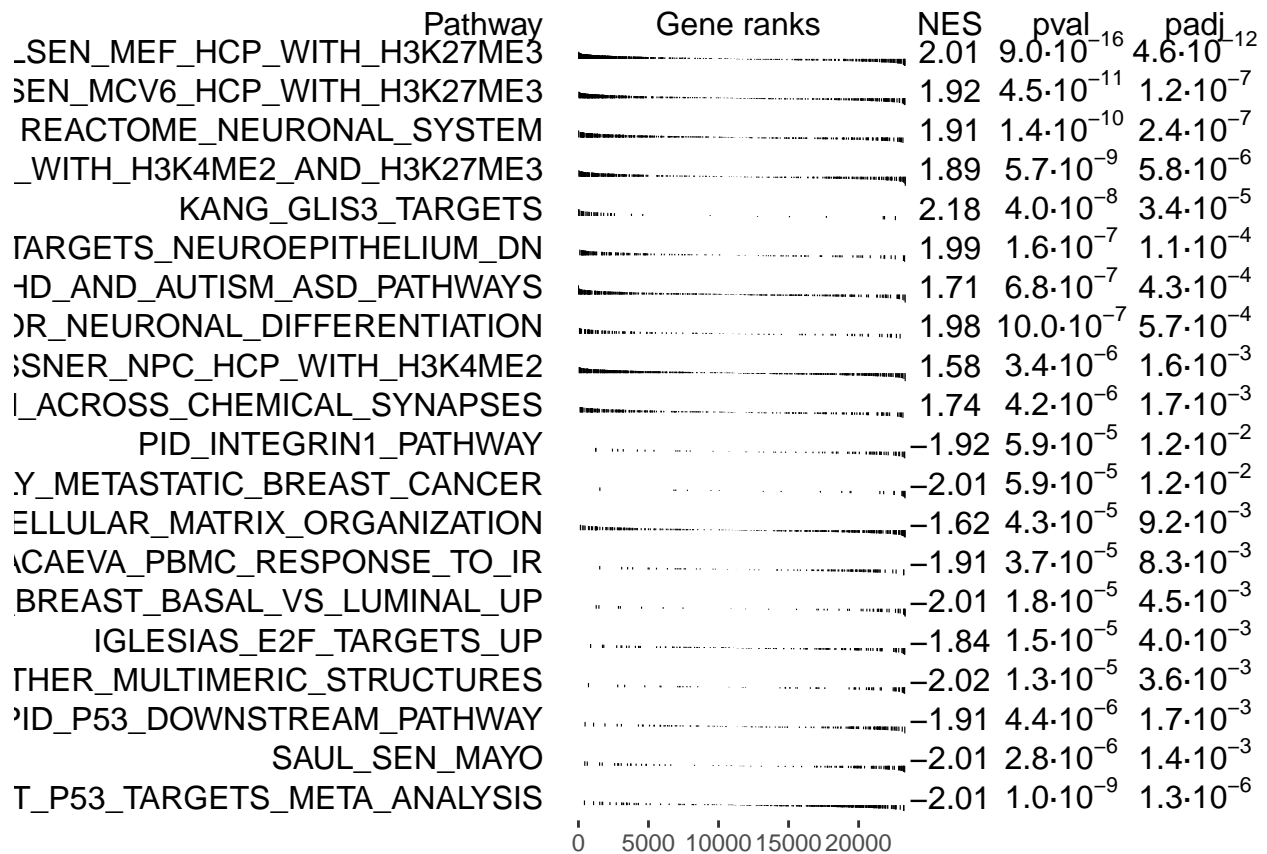
```
minSize = 15,
maxSize = 500)
```

```
## Warning in preparePathwaysAndStats(pathways, stats, minSize, maxSize, gseaParam, : There are ties in
## The order of those tied genes will be arbitrary, which may produce unexpected results.
```

```
head(fgseaRes[order(pval), ])
```

```
##                pathway                pval                padj
##                <char>                <num>                <num>
## 1:      MIKKELSEN_MEF_HCP_WITH_H3K27ME3 9.036370e-16 4.627525e-12
## 2:      MIKKELSEN_MCV6_HCP_WITH_H3K27ME3 4.513669e-11 1.155725e-07
## 3:      REACTOME_NEURONAL_SYSTEM 1.412411e-10 2.410986e-07
## 4:  FISCHER_DIRECT_P53_TARGETS_META_ANALYSIS 1.010971e-09 1.294295e-06
## 5: MEISSNER_NPC_HCP_WITH_H3K4ME2_AND_H3K27ME3 5.669778e-09 5.806986e-06
## 6:      KANG_GLIS3_TARGETS 3.952116e-08 3.373131e-05
##      log2err      ES      NES  size  leadingEdge
##      <num>      <num>      <num> <int>      <list>
## 1: 1.0175448 0.5139837 2.007447 482 PHOX2B, ....
## 2: 0.8513391 0.4976603 1.916031 382 SYNDIG1L....
## 3: 0.8266573 0.4964017 1.914990 373 SLITRK2,....
## 4: 0.7881868 -0.5352231 -2.010415 307 MUC2, F5....
## 5: 0.7614608 0.5001009 1.887456 302 SYNDIG1L....
## 6: 0.7195128 0.7872014 2.183828 35 G6PC2, G....
```

```
topPathwaysUp <- fgseaRes[ES > 0][head(order(pval), n=10), pathway]
topPathwaysDown <- fgseaRes[ES < 0][head(order(pval), n=10), pathway]
topPathways <- c(topPathwaysUp, rev(topPathwaysDown))
plotGseaTable(pathways[topPathways], rnk_list, fgseaRes,
              gseaParam=0.5)
```



RNAseq Quality Control

The PCA plot shows a good clustering for the control samples, which is a good confirmation that the 3 replicates show similar reads from the RNASeq experiment. However, when analyzing the the experimental samples there is 1 replicate that is separate from the clustering of the 2 other replicates. There could be a multitude of reasons why there is this variation such as batch effects, biological factors, or simply when the experiment was performed for each of these replicates. Considering that this is a high-depth RNA-seq experiment, this shouldn't affect the results of the differential expression analysis and pathway enrichment too much, however ideally this is effect that we would try to remove as much as possible.

Overall, the heatmap shows that the corresponding samples have the shortest distance in terms sample-to-sample distances (i.e., con-con and exp-exp); this is expected and a good confirmation that the RNASeq experiment was performed correctly. However, the hierarchical clustering indicates that one of the experimental replicates (exp_rep_3) has close enough distance with the control replicates. This result also corresponds with the results of the PCA plot such that one the experimental replicates didn't cluster with the other experimental replicates.

Ideally, we would try to repeat the experiment to ensure that the replicates do cluster similarly using both the PCA plot and heatmap clustering too. This could indicate that there were batch effect, biological factors, and technical variation.

Normalization the counts matrix

```
vsd <- vst(dds, blind=FALSE)
```

```
head(assay(vsd), 5)
```

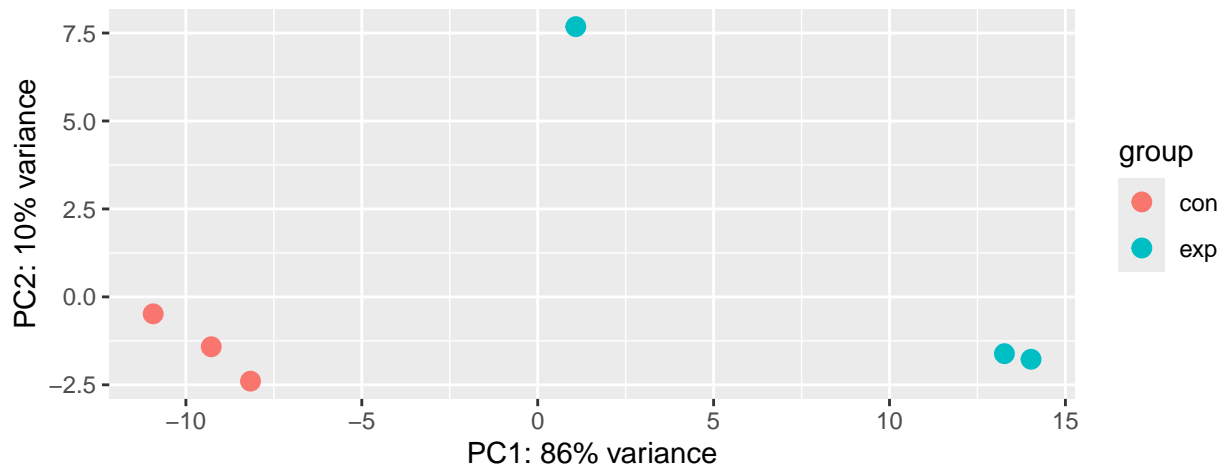
```
##          control_rep2 exp_rep1 control_rep1 exp_rep2 exp_rep3
```

```
## ENSG00000227232.6      8.447269 8.396507      8.353509 8.541814 8.617651
## ENSG00000233750.3      7.039794 7.039857      6.943480 7.113597 6.979721
## ENSG00000268903.1      7.708298 7.708478      7.742406 7.834371 7.744636
## ENSG00000269981.1      7.411162 7.419207      7.574913 7.576345 7.621812
## ENSG00000241860.7      7.307612 7.528224      7.529916 7.533539 7.356252
##
## control_rep3
## ENSG00000227232.6      8.510724
## ENSG00000233750.3      7.107760
## ENSG00000268903.1      7.785674
## ENSG00000269981.1      7.586602
## ENSG00000241860.7      7.317604
```

PCA Plots on normalized counts matrix

```
plotPCA(vsd, intgroup=c("treatment"))
```

```
## using ntop=500 top features by variance
```

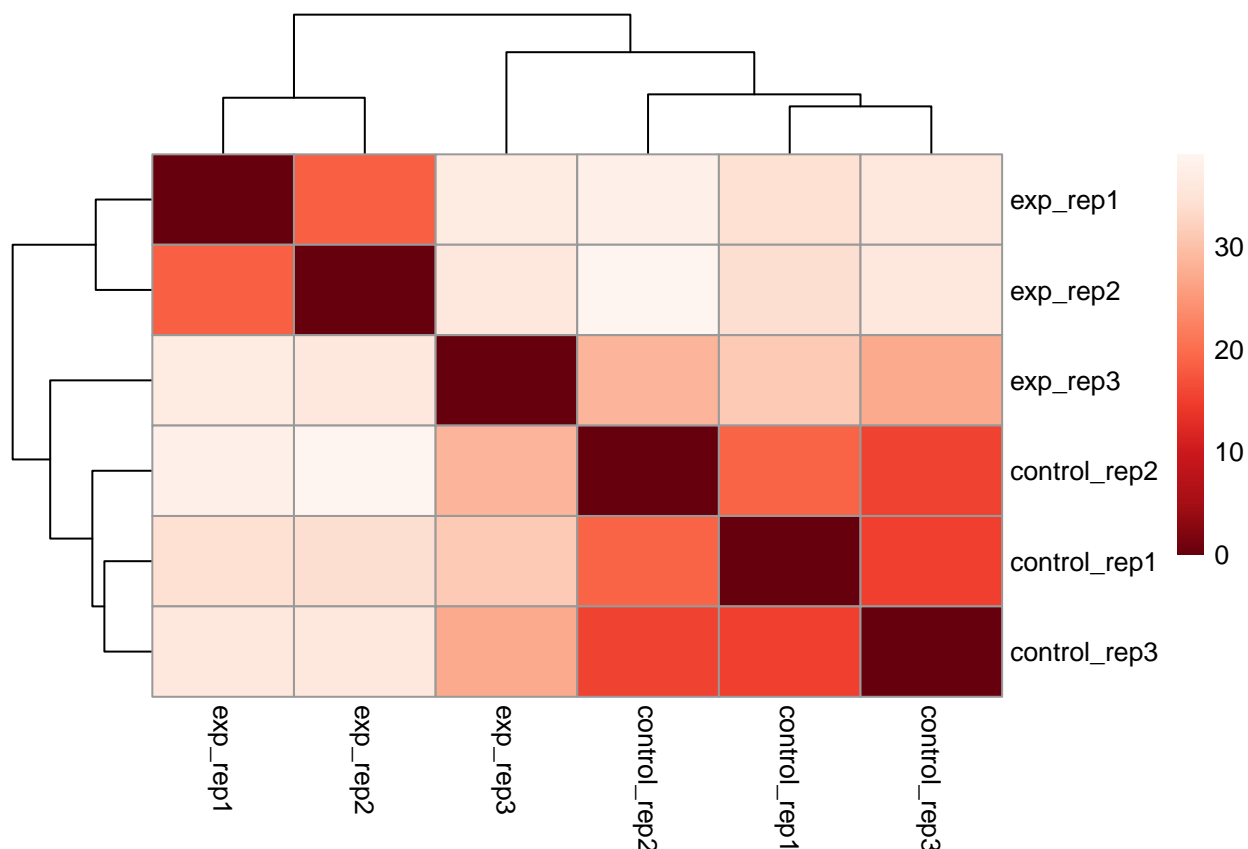


```
### Create a heatmap of sample-to-sample distances
```

```
sampleDists <- dist(t(assay(vsd)))

library(pheatmap)
library("RColorBrewer")

sampleDistMatrix <- as.matrix(sampleDists)
colors <- colorRampPalette( rev(brewer.pal(9, "Reds")) )(255)
pheatmap(sampleDistMatrix, col=colors, labRow = vsd$treatment, labCol = vsd$treatment)
```

Replication of figures

Using the author's significance level of $FDR < 0.01$, we found 408 up-regulated genes and 323 down-regulated genes. The results obtained by the authors indicate an observation of 319 up-regulated and 412 down-regulated genes. This difference may be attributed to the pre-filtering method for the raw counts data that was used. The authors didn't indicate what method was used for the analysis.

In terms of pathway enrichment, the authors had observed an enrichment for Extracellular matrix organization, Integrin cell surface interactions, ECM proteoglycans, and Signalling by Receptor Tyrosine Kinases for up-regulated and Regulation of beta-cell development, Neuronal System, and Regulation of gene expression in beta cells. We had observed an enrichment for Fischer Direct P53 Targets Meta Analysis, Saul Sen Mayo, Pid P53 Downstream Pathway, Macaeva Pbmc Response To Ir, and Iglesias E2f Targets Up for up-regulated pathways and Mikkelsen Mef Hcp With H3k27me3, Martoriati Mdm4 Targets Neuroepithelium Dn, Mikkelsen Mcv6 Hcp With H3k27me3, Reactome Neuronal System, and Meissner Npc Hcp With H3k4me2 and H3k27me3 for down-regulated pathways. For the author's findings, pathways involved in structure were upregulated and we observed that pathways involved in p53 were up-regulated. Additionally, the author's observed that pathways involved in beta cell development and regulation were down-regulated and we observed down-regulation in pathways involved in methylation marks which could be similar to regulation of gene expression in beta cells, similar to the authors. Some of these differences could be attributed to the authors using a different enrichment tool (Reactome vs. FGSEA) and a different gmt file with pathways to provide in the enrichment process.

Recreating Figure 3C

```
# Load required libraries
library(ggplot2)
library(ggrepel) # for non-overlapping text labels
```

```

# Create your data frame with your differentially expressed genes
# Replace this with your actual data
df <- as.data.frame(deseq2_res)

# Calculate -log10(p-value)
df$neg_log10_pval <- -log10(df$pvalue)

# Define significance thresholds
log2FC_threshold <- 1 # absolute log2 fold change threshold
pval_threshold <- 0.01 # p-value threshold

# Classify genes as upregulated, downregulated, or non-significant
df$regulation <- ifelse(df$log2FoldChange > log2FC_threshold & df$pvalue < pval_threshold, "Upregulated",
                        ifelse(df$log2FoldChange < -log2FC_threshold & df$pvalue < pval_threshold, "Downregulated",
                              "Non-significant"))

# Define colors matching the paper (soft red for up, iris blue for down, black for NS)
colors <- c("Upregulated" = "#E57373",
            "Downregulated" = "#64B5F6",
            "Non-significant" = "black")

top_genes <- df %>%
  filter(
    padj < 0.001, # Very significant
    abs(log2FoldChange) > 2 # Large fold change
  ) %>%
  arrange(padj)

# Create volcano plot
volcano_plot <- ggplot(df, aes(x = log2FoldChange, y = neg_log10_pval)) +
  geom_point(aes(color = regulation), alpha = 0.6, size = 2) +
  scale_color_manual(values = colors) +

  geom_text_repel(
    data = top_genes,
    aes(label = symbol),
    size = 3,
    box.padding = 0.5,
    point.padding = 0.3,
    max.overlaps = 30,
    segment.color = "grey50"
  ) +

  # Add threshold lines (optional)
  geom_hline(yintercept = -log10(pval_threshold), linetype = "dashed",
             color = "grey50", linewidth = 0.5) +
  geom_vline(xintercept = c(-log2FC_threshold, log2FC_threshold),
             linetype = "dashed", color = "grey50", linewidth = 0.5) +

  # Customize theme
  theme_classic() +
  theme(
    legend.position = "right",

```

```

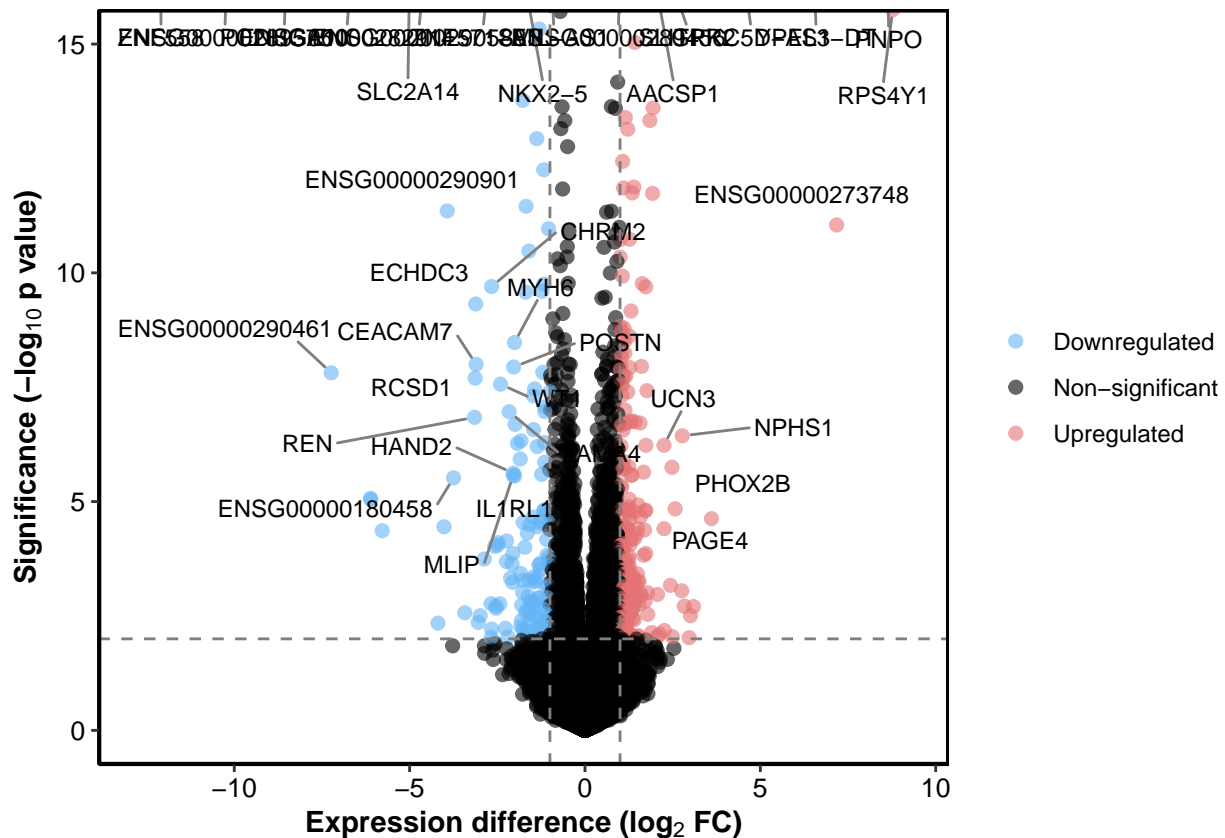
legend.title = element_blank(),
axis.text = element_text(size = 10, color = "black"),
axis.title = element_text(size = 11, face = "bold"),
panel.border = element_rect(color = "black", fill = NA, linewidth = 1)
) +

# Axis labels
labs(
  x = expression(bold("Expression difference (log2 FC)")),
  y = expression(bold("Significance (-log10 p value)"))
) +

# Set axis limits (adjust based on your data range)
coord_cartesian(xlim = c(min(df$log2FoldChange) - 0.5, max(df$log2FoldChange) + 0.5),
  ylim = c(0, 15))

# Display the plot
print(volcano_plot)

```



```

# Save the plot
ggsave("volcano_plot_figure3c.pdf", volcano_plot,
  width = 6, height = 5, units = "in", dpi = 300)

```

Recreating Figure 3F

```

library(ggplot2)
library(dplyr)
library(stringr)
library(fgsea)

# Assuming 'fgsea_results' is your fgsea output
# fgsea_results <- fgsea(pathways = pathways, stats = ranked_genes, ...)

# Prepare fgsea results for plotting
gsea_plot_data <- fgseaRes %>%
  as.data.frame() %>%

# Filter for significant pathways
filter(padj < 0.05) %>%

# Calculate percentage: size of pathway overlap / total pathway size * 100
mutate(
  percentage = (size / length(unique(unlist(pathway)))) * 100,
  # OR simpler: just use size directly or calculate from leadingEdge
  # percentage = (sapply(leadingEdge, length) / size) * 100,

  # Clean pathway names
  pathway_clean = str_replace(pathway, "^.*~", ""),
  pathway_clean = str_replace(pathway_clean, "^HALLMARK_", ""),
  pathway_clean = str_replace(pathway_clean, "^GO_", ""),
  pathway_clean = str_replace(pathway_clean, "^KEGG_", ""),
  pathway_clean = str_replace_all(pathway_clean, "_", " "),
  pathway_clean = str_to_title(pathway_clean),
  pathway_clean = str_wrap(pathway_clean, width = 50),

  # Determine regulation based on NES (Normalized Enrichment Score)
  regulation = ifelse(NES > 0, "UP", "DOWN"),

  # Calculate -log10(padj) for coloring by significance
  neg_log10_padj = -log10(padj)
) %>%

# Select top pathways from each direction
group_by(regulation) %>%
  arrange(padj) %>%
  slice_head(n = 5) %>% # Top 5 from each direction
  ungroup() %>%

# Order for plotting
arrange(regulation, desc(abs(NES)))

# Set factor levels to control plot order
gsea_plot_data$pathway_clean <- factor(gsea_plot_data$pathway_clean,
  levels = rev(gsea_plot_data$pathway_clean))

# Define colors
colors <- c("UP" = "#E57373", "DOWN" = "#64B5F6")

```

```

# Create the plot using NES (common for fgsea) or percentage
# Option 1: Using percentage
plot1 <- ggplot(gsea_plot_data, aes(x = percentage, y = pathway_clean, fill = regulation)) +
  geom_bar(stat = "identity", width = 0.7) +
  scale_fill_manual(values = colors,
                    labels = c("DOWN" = "Downregulated", "UP" = "Upregulated")) +
  theme_classic() +
  theme(
    axis.text.y = element_text(size = 9, color = "black"),
    axis.text.x = element_text(size = 9, color = "black"),
    axis.title.x = element_text(size = 10, face = "bold"),
    axis.title.y = element_blank(),
    legend.position = "right",
    legend.title = element_blank(),
    panel.border = element_rect(color = "black", fill = NA, linewidth = 1),
    panel.grid.major.x = element_line(color = "grey90", linewidth = 0.5)
  ) +
  labs(x = "Percentage of DE genes in category /\nall genes in category (%)") +
  coord_cartesian(xlim = c(0, max(gsea_plot_data$percentage) * 1.5))

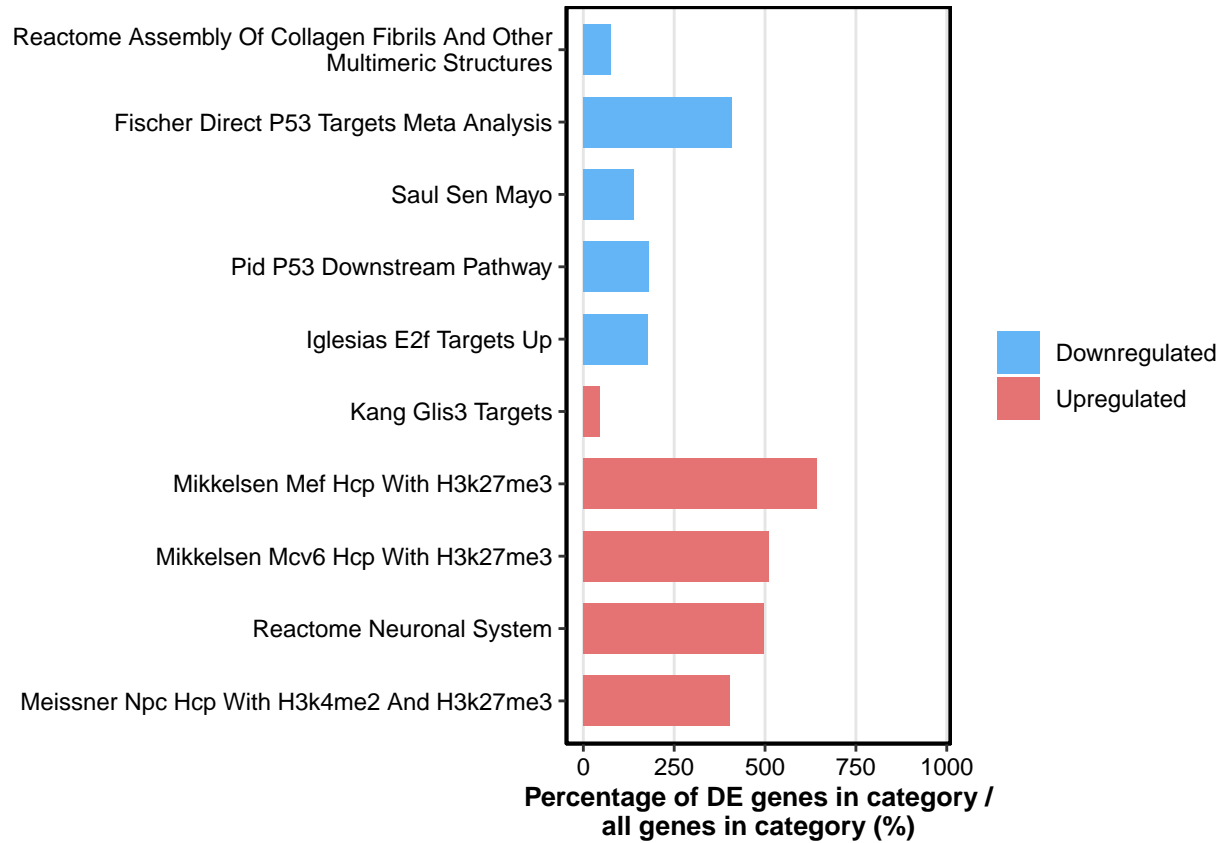
# Option 2: Using NES (Normalized Enrichment Score) - more common for GSEA
plot2 <- ggplot(gsea_plot_data, aes(x = NES, y = pathway_clean, fill = regulation)) +
  geom_bar(stat = "identity", width = 0.7) +
  scale_fill_manual(values = colors,
                    labels = c("DOWN" = "Downregulated", "UP" = "Upregulated")) +
  theme_classic() +
  theme(
    axis.text.y = element_text(size = 9, color = "black"),
    axis.text.x = element_text(size = 9, color = "black"),
    axis.title.x = element_text(size = 10, face = "bold"),
    axis.title.y = element_blank(),
    legend.position = "right",
    legend.title = element_blank(),
    panel.border = element_rect(color = "black", fill = NA, linewidth = 1),
    panel.grid.major.x = element_line(color = "grey90", linewidth = 0.5)
  ) +
  labs(x = "Normalized Enrichment Score (NES)") +
  geom_vline(xintercept = 0, linetype = "dashed", color = "grey50")

# Option 3: Using -log10(padj) colored by direction
plot3 <- ggplot(gsea_plot_data, aes(x = neg_log10_padj, y = pathway_clean, fill = regulation)) +
  geom_bar(stat = "identity", width = 0.7) +
  scale_fill_manual(values = colors,
                    labels = c("DOWN" = "Downregulated", "UP" = "Upregulated")) +
  theme_classic() +
  theme(
    axis.text.y = element_text(size = 9, color = "black"),
    axis.text.x = element_text(size = 9, color = "black"),
    axis.title.x = element_text(size = 10, face = "bold"),
    axis.title.y = element_blank(),
    legend.position = "right",
    legend.title = element_blank(),
    panel.border = element_rect(color = "black", fill = NA, linewidth = 1)
  )

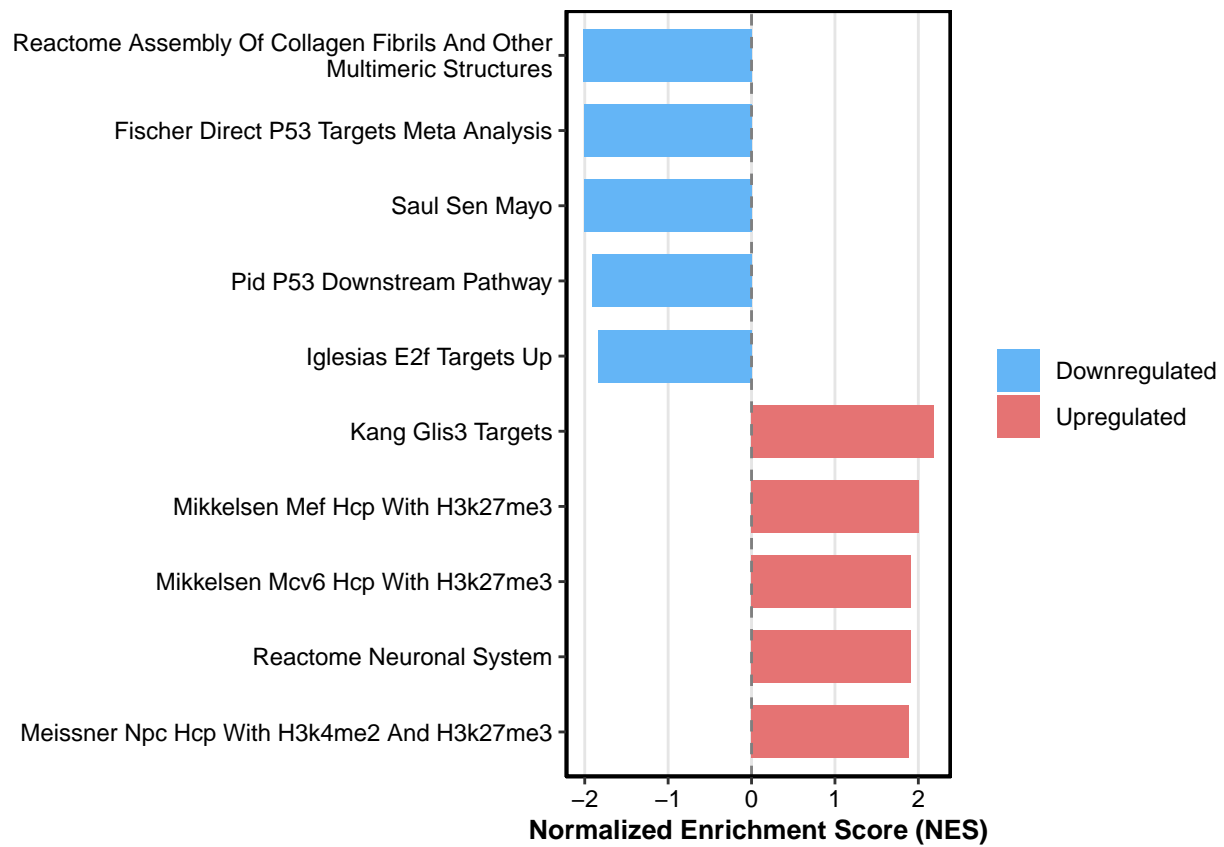
```

```
) +
  labs(x = "-log10(adjusted p-value)")

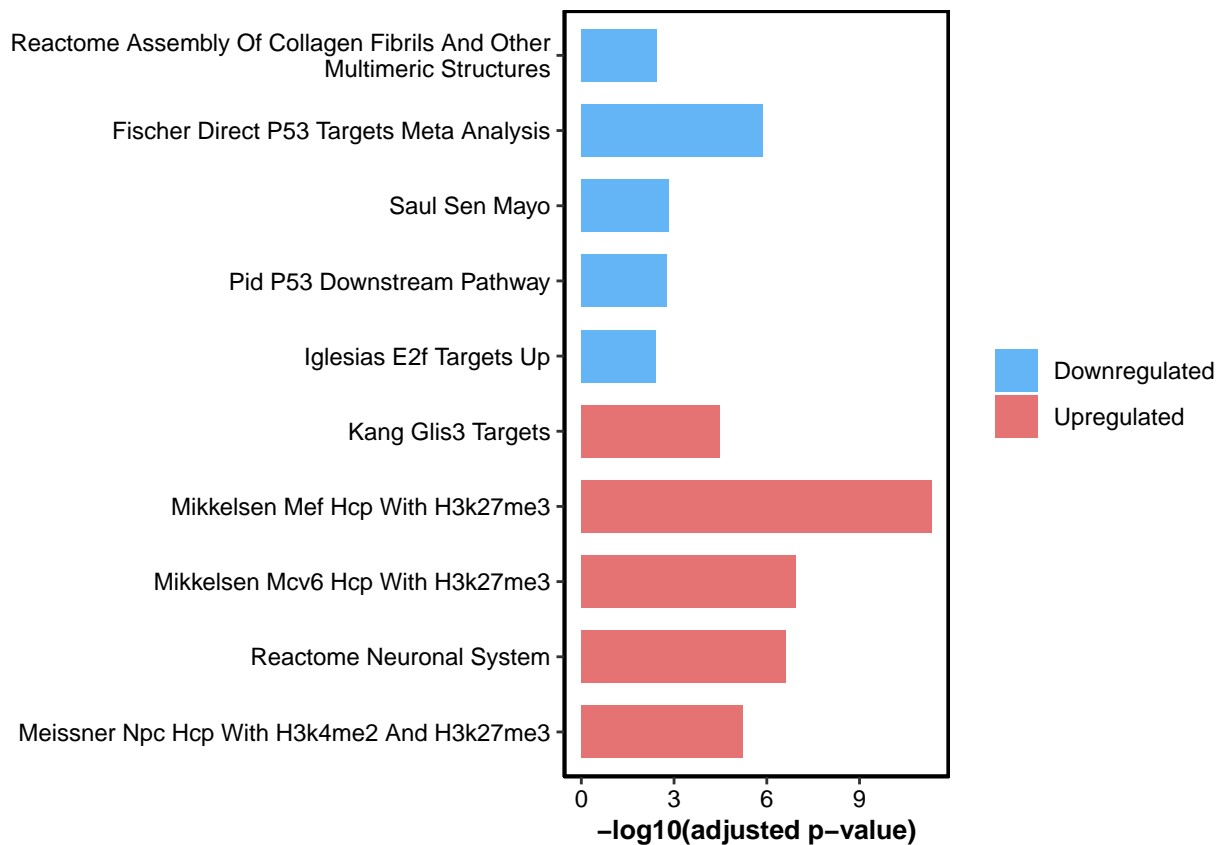
# Display plots
print(plot1) # Percentage version
```



```
print(plot2) # NES version (recommended for GSEA)
```



```
print(plot3) # Significance version
```



Comparison of number of up and down regulated genes

```
filtered_deseq2_up <- deseq2_res %>% filter(padj <.01 & (log2FoldChange > 0)) %>% select(symbol)
filtered_deseq2_down <- deseq2_res %>% filter(padj <.01 & (log2FoldChange < 0)) %>% select(symbol)

dim(filtered_deseq2_up)

## [1] 408 1

dim(filtered_deseq2_down)

## [1] 323 1
```

SessionInfo

The sessioninfo function is one way we can attempt to be transparent about our environment management in R.

This will print out a summary of the current packages installed in the environment.

```
sessioninfo::session_info()

## - Session info -----
## setting value
## version R version 4.4.3 (2025-02-28)
## os AlmaLinux 8.10 (Cerulean Leopard)
## system x86_64, linux-gnu
## ui X11
```



```

## language (EN)
## collate en_US.UTF-8
## ctype en_US.UTF-8
## tz America/New_York
## date 2025-10-24
## pandoc 3.2 @ /usr/local/ood/rstudio-server-2024.12.0+467/bin/quarto/bin/tools/x86_64/ (via rmarkd
## quarto 1.5.57 @ /usr/local/ood/rstudio-server-2024.12.0+467/bin/quarto/bin/quarto
##
## - Packages -----
## package * version date (UTC) lib source
## abind 1.4-8 2024-09-12 [1] CRAN (R 4.4.0)
## Biobase * 2.66.0 2024-10-29 [1] Bioconductor 3.20 (R 4.4.0)
## BiocGenerics * 0.52.0 2024-10-29 [1] Bioconductor 3.20 (R 4.4.0)
## BiocParallel 1.40.2 2025-10-06 [1] Bioconductor
## bit 4.6.0 2025-03-06 [1] CRAN (R 4.4.0)
## bit64 4.6.0-1 2025-01-16 [1] CRAN (R 4.4.0)
## cli 3.6.5 2025-04-23 [1] CRAN (R 4.4.0)
## codetools 0.2-20 2024-03-31 [2] CRAN (R 4.4.3)
## colorspace 2.1-2 2025-09-22 [1] CRAN (R 4.4.0)
## cowplot 1.1.3 2024-01-22 [2] CRAN (R 4.4.3)
## crayon 1.5.3 2024-06-20 [1] CRAN (R 4.4.0)
## data.table 1.17.8 2025-07-10 [1] CRAN (R 4.4.0)
## DelayedArray 0.32.0 2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## DESeq2 * 1.46.0 2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## digest 0.6.37 2024-08-19 [1] CRAN (R 4.4.0)
## dplyr * 1.1.4 2023-11-17 [2] CRAN (R 4.4.3)
## evaluate 1.0.5 2025-08-27 [1] CRAN (R 4.4.0)
## farver 2.1.2 2024-05-13 [1] CRAN (R 4.4.0)
## fastmap 1.2.0 2024-05-15 [1] CRAN (R 4.4.0)
## fastmatch 1.1-6 2024-12-23 [1] CRAN (R 4.4.0)
## fgsea * 1.32.4 2025-03-20 [1] Bioconductor 3.20 (R 4.4.3)
## forcats * 1.0.0 2023-01-29 [2] CRAN (R 4.4.3)
## generics 0.1.4 2025-05-09 [1] CRAN (R 4.4.0)
## GenomeInfoDb * 1.42.3 2025-01-27 [2] Bioconductor 3.20 (R 4.4.3)
## GenomeInfoDbData 1.2.13 2025-10-06 [1] Bioconductor
## GenomicRanges * 1.58.0 2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## ggplot2 * 3.5.1 2024-04-23 [2] CRAN (R 4.4.3)
## ggrepel * 0.9.6 2024-09-07 [2] CRAN (R 4.4.3)
## glue 1.8.0 2024-09-30 [1] CRAN (R 4.4.0)
## gtable 0.3.6 2024-10-25 [2] CRAN (R 4.4.3)
## hms 1.1.3 2023-03-21 [2] CRAN (R 4.4.3)
## htmltools 0.5.8.1 2024-04-04 [2] CRAN (R 4.4.3)
## httr 1.4.7 2023-08-15 [2] CRAN (R 4.4.3)
## IRanges * 2.40.1 2024-12-05 [2] Bioconductor 3.20 (R 4.4.3)
## jsonlite 2.0.0 2025-03-27 [1] CRAN (R 4.4.0)
## knitr 1.49 2024-11-08 [2] CRAN (R 4.4.3)
## labeling 0.4.3 2023-08-29 [2] CRAN (R 4.4.3)
## lattice 0.22-7 2025-04-02 [1] CRAN (R 4.4.0)
## lifecycle 1.0.4 2023-11-07 [2] CRAN (R 4.4.3)
## locfit 1.5-9.11 2025-02-03 [2] CRAN (R 4.4.3)
## lubridate * 1.9.4 2024-12-08 [2] CRAN (R 4.4.3)
## magrittr 2.0.4 2025-09-12 [1] CRAN (R 4.4.0)
## Matrix 1.7-4 2025-08-28 [2] CRAN (R 4.4.3)
## MatrixGenerics * 1.18.1 2025-01-09 [2] Bioconductor 3.20 (R 4.4.3)

```

```

## matrixStats          * 1.5.0    2025-01-07 [1] CRAN (R 4.4.0)
## munsell              0.5.1    2024-04-01 [2] CRAN (R 4.4.3)
## pheatmap            * 1.0.12  2019-01-04 [2] CRAN (R 4.4.3)
## pillar              1.10.1    2025-01-07 [2] CRAN (R 4.4.3)
## pkgconfig           2.0.3    2019-09-22 [2] CRAN (R 4.4.3)
## purrr               * 1.0.4    2025-02-05 [2] CRAN (R 4.4.3)
## R6                  2.6.1    2025-02-15 [1] CRAN (R 4.4.0)
## ragg                1.3.3    2024-09-11 [2] CRAN (R 4.4.3)
## RColorBrewer        * 1.1-3    2022-04-03 [2] CRAN (R 4.4.3)
## Rcpp                1.1.0    2025-07-02 [1] CRAN (R 4.4.0)
## readr              * 2.1.5    2024-01-10 [2] CRAN (R 4.4.3)
## rlang              1.1.6    2025-04-11 [1] CRAN (R 4.4.0)
## rmarkdown          2.29     2024-11-04 [2] CRAN (R 4.4.3)
## rstudioapi         0.17.1   2024-10-22 [1] CRAN (R 4.4.0)
## S4Arrays           1.6.0    2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## S4Vectors          * 0.44.0   2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## scales             1.3.0    2023-11-28 [2] CRAN (R 4.4.3)
## sessioninfo        1.2.3    2025-02-05 [2] CRAN (R 4.4.3)
## SparseArray        1.6.2    2025-02-20 [2] Bioconductor 3.20 (R 4.4.3)
## stringi            1.8.7    2025-03-27 [1] CRAN (R 4.4.0)
## stringr            * 1.5.1    2023-11-14 [2] CRAN (R 4.4.3)
## SummarizedExperiment * 1.36.0   2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## systemfonts        1.2.1    2025-01-20 [2] CRAN (R 4.4.3)
## textshaping        1.0.0    2025-01-20 [2] CRAN (R 4.4.3)
## tibble             * 3.2.1    2023-03-20 [2] CRAN (R 4.4.3)
## tidyr              * 1.3.1    2024-01-24 [2] CRAN (R 4.4.3)
## tidyselect         1.2.1    2024-03-11 [2] CRAN (R 4.4.3)
## tidyverse          * 2.0.0    2023-02-22 [2] CRAN (R 4.4.3)
## timechange         0.3.0    2024-01-18 [2] CRAN (R 4.4.3)
## tinytex            0.56     2025-02-26 [2] CRAN (R 4.4.3)
## tzdb               0.4.0    2023-05-12 [2] CRAN (R 4.4.3)
## UCSC.utils         1.2.0    2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## utf8               1.2.6    2025-06-08 [1] CRAN (R 4.4.0)
## vctrs              0.6.5    2023-12-01 [2] CRAN (R 4.4.3)
## vroom              1.6.5    2023-12-05 [2] CRAN (R 4.4.3)
## withr              3.0.2    2024-10-28 [1] CRAN (R 4.4.0)
## xfun               0.53     2025-08-19 [1] CRAN (R 4.4.0)
## XVector            0.46.0   2024-10-29 [2] Bioconductor 3.20 (R 4.4.3)
## yaml               2.3.10   2024-07-26 [1] CRAN (R 4.4.0)
## zlibbioc           1.52.0   2024-10-29 [1] Bioconductor 3.20 (R 4.4.0)
##
## [1] /usr4/bf527/dshreya/R/x86_64-pc-linux-gnu-library/4.4
## [2] /share/pkg.8/r/4.4.3/install/lib64/R/library
## * -- Packages attached to the search path.
##
## -----

```