

class12

Katie Chau

2/28/2022

Differential Expression Analysis

```
library(BiocManager)
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, 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, setdiff, sort, table, tapply,
##      union, unique, unsplit, which.max, which.min
```

```
##
```

```
## Attaching package: 'S4Vectors'
```

```
## 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

metaFile <- "GSE37704_metadata.csv"
countFile <- "GSE37704_featurecounts.csv"

# Import metadata and take a peak
colData = read.csv(metaFile, row.names=1)
head(colData)

```

```
##                condition
## SRR493366 control_sirna
## SRR493367 control_sirna
## SRR493368 control_sirna
## SRR493369      hoxa1_kd
## SRR493370      hoxa1_kd
## SRR493371      hoxa1_kd
```

```
# Import countdata
countData = read.csv(countFile, row.names=1)
```

```
head(countData)
```

```
##                length SRR493366 SRR493367 SRR493368 SRR493369 SRR493370
## ENSG00000186092     918         0         0         0         0         0
## ENSG00000279928     718         0         0         0         0         0
## ENSG00000279457    1982        23        28        29        29        28
## ENSG00000278566     939         0         0         0         0         0
## ENSG00000273547     939         0         0         0         0         0
## ENSG00000187634    3214        124        123        205        207        212
##                SRR493371
## ENSG00000186092         0
## ENSG00000279928         0
## ENSG00000279457        46
## ENSG00000278566         0
## ENSG00000273547         0
## ENSG00000187634       258
```

Q1. Complete the code below to remove the troublesome first column from countData

Note we need to remove the odd first \$length col

```
countData <- as.matrix(countData[,2:7])
head(countData)
```

```
##                SRR493366 SRR493367 SRR493368 SRR493369 SRR493370 SRR493371
## ENSG00000186092         0         0         0         0         0         0
## ENSG00000279928         0         0         0         0         0         0
## ENSG00000279457        23        28        29        29        28        46
## ENSG00000278566         0         0         0         0         0         0
## ENSG00000273547         0         0         0         0         0         0
## ENSG00000187634       124       123       205       207       212       258
```

Q2. Complete the code below to filter countData to exclude genes (i.e. rows) where we have 0 read count across all samples (i.e. columns). Tip: What will rowSums() of countData return and how could you use it in this context?

```
rowSums(countData)
```

##	ENSG00000186092	ENSG00000279928	ENSG00000279457	ENSG00000278566	ENSG00000273547
##	0	0	183	0	0
##	ENSG00000187634	ENSG00000188976	ENSG00000187961	ENSG00000187583	ENSG00000187642
##	1129	9907	1301	293	75
##	ENSG00000188290	ENSG00000187608	ENSG00000188157	ENSG00000237330	ENSG00000131591
##	689	2144	56045	1	961
##	ENSG00000162571	ENSG00000186891	ENSG00000186827	ENSG00000078808	ENSG00000176022
##	0	4	5	28209	5572
##	ENSG00000184163	ENSG00000160087	ENSG00000162572	ENSG00000131584	ENSG00000169972
##	27	7559	198	6592	1379
##	ENSG00000127054	ENSG00000224051	ENSG00000169962	ENSG00000107404	ENSG00000162576
##	5574	1825	37	6063	33482
##	ENSG00000175756	ENSG00000221978	ENSG00000242485	ENSG00000235098	ENSG00000205116
##	6520	8382	4033	8	0
##	ENSG00000179403	ENSG00000215915	ENSG00000160072	ENSG00000197785	ENSG00000205090
##	660	3	2557	4280	245
##	ENSG00000160075	ENSG00000279244	ENSG00000228594	ENSG00000197530	ENSG00000189409
##	11346	0	1079	4602	15
##	ENSG00000248333	ENSG00000189339	ENSG00000008128	ENSG00000215790	ENSG00000008130
##	2901	10840	78	279	5827
##	ENSG00000078369	ENSG00000169885	ENSG00000178821	ENSG00000142609	ENSG00000187730
##	60694	9	16	0	0
##	ENSG00000067606	ENSG00000162585	ENSG00000157933	ENSG00000116151	ENSG00000157916
##	212	4005	10718	284	13099
##	ENSG00000157911	ENSG00000149527	ENSG00000157881	ENSG00000197921	ENSG00000157873
##	1263	183	2648	0	151
##	ENSG00000157870	ENSG00000142606	ENSG00000215912	ENSG00000169717	ENSG00000142611
##	2325	2	15	0	24
##	ENSG00000130762	ENSG00000162591	ENSG00000158109	ENSG00000116213	ENSG00000078900
##	5	741	11234	1203	6
##	ENSG00000162592	ENSG00000235169	ENSG00000130764	ENSG00000116198	ENSG00000169598
##	4	49	3910	5316	598
##	ENSG00000198912	ENSG00000196581	ENSG00000131697	ENSG00000069424	ENSG00000116254
##	1669	16	1398	848	30
##	ENSG00000116251	ENSG00000158286	ENSG00000116237	ENSG00000173673	ENSG00000158292
##	19132	101	14067	0	1139
##	ENSG00000097021	ENSG00000069812	ENSG00000187017	ENSG00000215788	ENSG00000171680
##	7661	20	4	331	2657
##	ENSG00000162408	ENSG00000173662	ENSG00000204859	ENSG00000162413	ENSG00000116273
##	2185	1	745	12770	2918
##	ENSG00000041988	ENSG00000007923	ENSG00000171735	ENSG00000049245	ENSG00000049246
##	772	4034	1843	11842	892
##	ENSG00000049247	ENSG00000049249	ENSG00000116288	ENSG00000116285	ENSG00000162426
##	2	14	13626	14356	403
##	ENSG00000142599	ENSG00000074800	ENSG00000131686	ENSG00000197241	ENSG00000142583
##	8669	109127	1	0	5
##	ENSG00000180758	ENSG00000049239	ENSG00000171621	ENSG00000171612	ENSG00000188807
##	786	9650	3728	1041	2088
##	ENSG00000171608	ENSG00000171603	ENSG00000280113	ENSG00000178585	ENSG00000162441
##	3557	25190	0	2231	1757
##	ENSG00000173614	ENSG00000162444	ENSG00000130939	ENSG00000054523	ENSG00000142657
##	1340	2	12382	10261	24354
##	ENSG00000251503	ENSG00000175279	ENSG00000241563	ENSG00000160049	ENSG00000142655
##	16	93	17	5518	1818

##	ENSG00000130940	ENSG00000175262	ENSG00000120948	ENSG00000277726	ENSG00000009724
##	25	0	7368	1	94
##	ENSG00000116649	ENSG00000171824	ENSG00000198793	ENSG00000171819	ENSG00000120942
##	12270	4976	10076	4	1563
##	ENSG00000204624	ENSG00000116661	ENSG00000132879	ENSG00000116663	ENSG00000116670
##	16	288	1307	397	1847
##	ENSG00000162490	ENSG00000177674	ENSG00000215910	ENSG00000177000	ENSG00000011021
##	82	2586	0	1749	2267
##	ENSG00000175206	ENSG00000120937	ENSG00000116685	ENSG00000083444	ENSG00000116688
##	5	7	8310	61863	14257
##	ENSG00000116691	ENSG00000120949	ENSG00000028137	ENSG00000048707	ENSG00000162496
##	856	17	1719	7163	1493
##	ENSG00000204518	ENSG00000188984	ENSG00000157330	ENSG00000116726	ENSG00000116721
##	0	0	0	0	0
##	ENSG00000239810	ENSG00000179172	ENSG00000120952	ENSG00000243073	ENSG00000187545
##	0	7	1	0	0
##	ENSG00000204510	ENSG00000232423	ENSG00000280267	ENSG00000274764	ENSG00000229571
##	0	0	0	0	0
##	ENSG00000277058	ENSG00000275774	ENSG00000179412	ENSG00000204505	ENSG00000279804
##	1	1	8	0	0
##	ENSG00000270601	ENSG00000182330	ENSG00000204501	ENSG00000204481	ENSG00000204480
##	0	0	0	0	0
##	ENSG00000204479	ENSG00000204478	ENSG00000162494	ENSG00000162493	ENSG00000116731
##	0	0	0	286	3011
##	ENSG00000189337	ENSG00000171729	ENSG00000142621	ENSG00000142634	ENSG00000162438
##	1460	3227	5	6349	1
##	ENSG00000142615	ENSG00000215704	ENSG00000132906	ENSG00000116138	ENSG00000116771
##	0	0	580	4245	79
##	ENSG00000197312	ENSG00000215695	ENSG00000116786	ENSG00000162461	ENSG00000162460
##	3912	0	10049	14	0
##	ENSG00000162458	ENSG00000233954	ENSG00000065526	ENSG00000116809	ENSG00000183888
##	17501	737	5786	2607	0
##	ENSG00000173641	ENSG00000186510	ENSG00000184908	ENSG00000185519	ENSG00000142627
##	215	1	3	68	14212
##	ENSG00000142632	ENSG00000132881	ENSG00000037637	ENSG00000055070	ENSG00000187144
##	680	456	3004	20263	1
##	ENSG00000157191	ENSG00000268991	ENSG00000219481	ENSG00000237847	ENSG00000279132
##	8332	0	2178	0	0
##	ENSG00000058453	ENSG00000117122	ENSG00000159363	ENSG00000117118	ENSG00000117115
##	1798	2014	5235	4154	0
##	ENSG00000142623	ENSG00000142619	ENSG00000159339	ENSG00000280226	ENSG00000276747
##	12	0	0	0	0
##	ENSG00000179051	ENSG00000074964	ENSG00000117148	ENSG00000117154	ENSG00000179023
##	11599	1408	3	0	0
##	ENSG00000009709	ENSG00000179002	ENSG00000255275	ENSG00000159423	ENSG00000169991
##	0	0	0	1315	2024
##	ENSG00000127481	ENSG00000127463	ENSG00000053372	ENSG00000162482	ENSG00000053371
##	34627	15722	4173	20	3621
##	ENSG00000040487	ENSG00000077549	ENSG00000173436	ENSG00000270136	ENSG00000158747
##	2115	32066	1143	0	1123
##	ENSG00000158748	ENSG00000162542	ENSG00000178828	ENSG00000169914	ENSG00000188784
##	1	830	0	1439	0
##	ENSG00000188257	ENSG00000127472	ENSG00000117215	ENSG00000158786	ENSG00000187980
##	0	8	0	0	0

##	ENSG00000162543	ENSG00000158816	ENSG00000162545	ENSG00000090432	ENSG00000183114
##	1	1	12317	3784	20
##	ENSG00000158825	ENSG00000158828	ENSG00000244038	ENSG00000117245	ENSG00000189410
##	79	2431	28854	494	1978
##	ENSG00000127483	ENSG00000075151	ENSG00000117298	ENSG00000142794	ENSG00000162551
##	17772	24288	55713	1210	223
##	ENSG00000076864	ENSG00000090686	ENSG00000187942	ENSG00000142798	ENSG00000219073
##	40	7057	16	62080	0
##	ENSG00000142789	ENSG00000070831	ENSG00000162552	ENSG00000184677	ENSG00000070886
##	0	28866	21	3317	1
##	ENSG00000173372	ENSG00000159189	ENSG00000173369	ENSG00000133216	ENSG00000215906
##	0	0	0	19587	0
##	ENSG00000227868	ENSG00000004487	ENSG00000169641	ENSG00000179546	ENSG00000125944
##	0	11798	11246	37	11720
##	ENSG00000125945	ENSG00000204219	ENSG00000088280	ENSG00000007968	ENSG00000117318
##	1512	220	2069	64	6389
##	ENSG00000197880	ENSG00000142676	ENSG00000011007	ENSG00000057757	ENSG00000011009
##	5	39389	7252	2569	8900
##	ENSG00000117308	ENSG00000117305	ENSG00000179163	ENSG00000188822	ENSG00000189266
##	1620	1598	744	1	3777
##	ENSG00000188529	ENSG00000142661	ENSG00000142677	ENSG00000185436	ENSG00000158055
##	8841	6	0	0	3
##	ENSG00000001460	ENSG00000001461	ENSG00000117602	ENSG00000184454	ENSG00000133226
##	837	13159	1193	0	6637
##	ENSG00000169504	ENSG00000020633	ENSG00000117614	ENSG00000117616	ENSG00000187010
##	81889	56	3257	1783	30
##	ENSG00000183726	ENSG00000188672	ENSG00000204178	ENSG00000157978	ENSG00000117643
##	11676	22	3589	2123	2400
##	ENSG00000162430	ENSG00000255054	ENSG00000117640	ENSG00000127423	ENSG00000182749
##	21367	0	3877	125	2362
##	ENSG00000117632	ENSG00000158006	ENSG00000158008	ENSG00000158014	ENSG00000158022
##	16976	1688	488	2	0
##	ENSG00000175087	ENSG00000197245	ENSG00000142684	ENSG00000142675	ENSG00000188782
##	379	0	7	14	0
##	ENSG00000130695	ENSG00000142669	ENSG00000158062	ENSG00000169442	ENSG00000176092
##	803	43909	671	4	2
##	ENSG00000176083	ENSG00000131914	ENSG00000117682	ENSG00000198830	ENSG00000117676
##	0	1	4127	11331	442
##	ENSG00000117713	ENSG00000060642	ENSG00000204160	ENSG00000175793	ENSG00000142751
##	11317	811	4229	0	3155
##	ENSG00000198746	ENSG00000090273	ENSG00000131910	ENSG00000175707	ENSG00000253368
##	1001	9471	2	2	17510
##	ENSG00000158246	ENSG00000280403	ENSG00000090020	ENSG00000142784	ENSG00000186501
##	328	2	9963	4361	3668
##	ENSG00000142765	ENSG00000142733	ENSG00000142748	ENSG00000174950	ENSG00000181773
##	12	2069	8	0	460
##	ENSG00000158195	ENSG00000126705	ENSG00000000938	ENSG00000126709	ENSG00000009780
##	13525	3564	0	842	540
##	ENSG00000117758	ENSG00000117751	ENSG00000278868	ENSG00000130775	ENSG00000117748
##	8080	3067	0	310	2391
##	ENSG00000130768	ENSG00000158156	ENSG00000158161	ENSG00000169403	ENSG00000126698
##	0	1877	3295	11	8692
##	ENSG00000130770	ENSG00000130766	ENSG00000130772	ENSG00000204138	ENSG00000180198
##	4836	5008	1565	3463	3498

##	ENSG00000180098	ENSG00000120656	ENSG00000188060	ENSG00000162419	ENSG00000198492
##	1020	2079	22	2084	9800
##	ENSG00000116329	ENSG00000159023	ENSG00000253304	ENSG00000116350	ENSG00000116353
##	4	808	423	5779	1191
##	ENSG00000060656	ENSG00000162510	ENSG00000162511	ENSG00000162512	ENSG00000134644
##	2863	20	7	34649	11108
##	ENSG00000084628	ENSG00000060688	ENSG00000121766	ENSG00000121769	ENSG00000168528
##	18	2470	3436	272	11169
##	ENSG00000142910	ENSG00000121764	ENSG00000162517	ENSG00000084636	ENSG00000121753
##	30	5	3969	14543	2413
##	ENSG00000134668	ENSG00000184007	ENSG00000121774	ENSG00000121775	ENSG00000025800
##	6560	29241	14255	1097	16196
##	ENSG00000084652	ENSG00000160050	ENSG00000160051	ENSG00000222046	ENSG00000160055
##	16371	721	98	7	832
##	ENSG00000084623	ENSG00000183615	ENSG00000182866	ENSG00000116478	ENSG00000175130
##	16239	49	1	10008	23820
##	ENSG00000162526	ENSG00000225828	ENSG00000160058	ENSG00000254553	ENSG00000273274
##	12	93	9598	0	0
##	ENSG00000160062	ENSG00000176261	ENSG00000162521	ENSG00000162520	ENSG00000162522
##	659	1492	11025	1442	1083
##	ENSG00000134684	ENSG00000116497	ENSG00000160097	ENSG00000121905	ENSG00000121900
##	14747	2437	36	7	1147
##	ENSG00000116514	ENSG00000004455	ENSG00000142920	ENSG00000116525	ENSG00000160094
##	1623	6821	495	1893	2070
##	ENSG00000184389	ENSG00000134686	ENSG00000121903	ENSG00000121904	ENSG00000176256
##	4	15832	707	255	0
##	ENSG00000142698	ENSG00000163866	ENSG00000189280	ENSG00000189433	ENSG00000188910
##	0	2975	16	0	1
##	ENSG00000187513	ENSG00000116544	ENSG00000271741	ENSG00000243749	ENSG00000163867
##	1	7	1	25	929
##	ENSG00000197056	ENSG00000116560	ENSG00000146463	ENSG00000142687	ENSG00000020129
##	1154	24754	8453	10634	9378
##	ENSG00000116819	ENSG00000126067	ENSG00000142686	ENSG00000092853	ENSG00000134698
##	17	12287	3175	719	1392
##	ENSG00000092847	ENSG00000126070	ENSG00000092850	ENSG00000116863	ENSG00000171812
##	5679	2080	4	2495	132
##	ENSG00000054116	ENSG00000116871	ENSG00000054118	ENSG00000214193	ENSG00000142694
##	5465	28035	16484	247	4916
##	ENSG00000196182	ENSG00000181817	ENSG00000116885	ENSG00000116898	ENSG00000119535
##	3440	2481	563	4504	0
##	ENSG00000163873	ENSG00000163874	ENSG00000163875	ENSG00000163877	ENSG00000163879
##	0	1340	4829	1726	913
##	ENSG00000134697	ENSG00000169218	ENSG00000116922	ENSG00000134690	ENSG00000183317
##	6816	0	1335	1801	0
##	ENSG00000185090	ENSG00000196449	ENSG00000197982	ENSG00000188786	ENSG00000204084
##	58	2679	3998	4096	1291
##	ENSG00000183431	ENSG00000183386	ENSG00000183520	ENSG00000185668	ENSG00000116954
##	7783	3166	3105	16	1706
##	ENSG00000214114	ENSG00000274944	ENSG00000131233	ENSG00000158315	ENSG00000174574
##	1013	1	2	73	8315
##	ENSG00000168653	ENSG00000127603	ENSG00000183682	ENSG00000090621	ENSG00000163909
##	13436	60804	8	17519	43
##	ENSG00000116981	ENSG00000116983	ENSG00000084072	ENSG00000116985	ENSG00000198754
##	0	0	2527	12	0

##	ENSG00000043514	ENSG000000116990	ENSG000000168389	ENSG000000131236	ENSG000000131238
##	1333	61	663	67898	4160
##	ENSG000000117000	ENSG000000188800	ENSG000000084073	ENSG000000049089	ENSG000000084070
##	2581	0	11169	151	6337
##	ENSG000000187801	ENSG000000187815	ENSG000000164002	ENSG000000117010	ENSG000000117016
##	1055	290	494	182	45
##	ENSG000000066136	ENSG000000117013	ENSG000000179862	ENSG000000171793	ENSG000000171790
##	2451	4	763	6807	51
##	ENSG000000010803	ENSG000000204060	ENSG000000127129	ENSG000000127124	ENSG000000044012
##	2459	1	1	925	0
##	ENSG000000197273	ENSG000000198815	ENSG000000177181	ENSG000000066185	ENSG000000127125
##	0	4292	1	4	1619
##	ENSG000000186409	ENSG000000171960	ENSG000000065978	ENSG000000164007	ENSG000000117385
##	24	976	63076	0	30082
##	ENSG000000164008	ENSG000000177868	ENSG000000164010	ENSG000000164011	ENSG000000117394
##	603	994	998	418	24133
##	ENSG000000186973	ENSG000000117395	ENSG000000243710	ENSG000000179178	ENSG000000253313
##	4	6083	19	0	1
##	ENSG000000066056	ENSG000000117400	ENSG000000117399	ENSG000000066322	ENSG000000159479
##	248	0	3215	11153	4479
##	ENSG000000198198	ENSG000000178922	ENSG000000142949	ENSG000000066135	ENSG000000126091
##	3380	639	19200	5752	1089
##	ENSG000000117407	ENSG000000117408	ENSG000000132768	ENSG000000117410	ENSG000000117411
##	10	4861	1907	9698	7784
##	ENSG000000159214	ENSG000000196517	ENSG000000171872	ENSG000000178028	ENSG000000117419
##	176	1649	15	1694	3768
##	ENSG000000187147	ENSG000000126106	ENSG000000198520	ENSG000000142945	ENSG000000142937
##	2836	267	16	1753	47937
##	ENSG000000142959	ENSG000000173846	ENSG000000188396	ENSG000000222009	ENSG000000117425
##	5	3964	82	1328	224
##	ENSG000000070785	ENSG000000126107	ENSG000000126088	ENSG000000162415	ENSG000000186603
##	4144	4923	6403	136	43
##	ENSG000000132781	ENSG000000132773	ENSG000000070759	ENSG000000280670	ENSG000000132763
##	350	673	365	82	519
##	ENSG000000117450	ENSG000000117448	ENSG000000132780	ENSG000000159588	ENSG000000159592
##	29657	4672	5759	20	5132
##	ENSG000000159596	ENSG000000197429	ENSG000000086015	ENSG000000117461	ENSG000000278139
##	1709	1341	5749	2057	0
##	ENSG000000117472	ENSG000000250719	ENSG000000085998	ENSG000000171357	ENSG000000085999
##	20	0	7642	38	292
##	ENSG000000132128	ENSG000000173660	ENSG000000117481	ENSG000000117480	ENSG000000197587
##	12776	8657	1781	10	0
##	ENSG000000162456	ENSG000000079277	ENSG000000142961	ENSG000000123472	ENSG000000186118
##	0	1827	908	3396	3
##	ENSG000000159658	ENSG000000142973	ENSG000000187048	ENSG000000186377	ENSG000000186160
##	9822	0	0	0	0
##	ENSG000000162365	ENSG000000162366	ENSG000000162367	ENSG000000123473	ENSG000000162368
##	0	0	0	1069	18215
##	ENSG000000186790	ENSG000000186564	ENSG000000269113	ENSG000000279096	ENSG000000117834
##	5	81	4	0	5
##	ENSG000000132122	ENSG000000186094	ENSG000000162373	ENSG000000162374	ENSG000000142700
##	477	0	29	0	1
##	ENSG000000185104	ENSG000000123080	ENSG000000204006	ENSG000000123091	ENSG000000085831
##	3717	780	0	16739	69

##	ENSG00000085832	ENSG000000117859	ENSG00000078618	ENSG000000169213	ENSG000000117862
##	3555	5120	22374	46449	6253
##	ENSG000000198841	ENSG000000134717	ENSG000000157077	ENSG000000154222	ENSG000000085840
##	1305	4408	4820	3987	368
##	ENSG000000134748	ENSG000000134744	ENSG000000116157	ENSG000000182183	ENSG000000162377
##	3304	3030	214	0	1739
##	ENSG000000162378	ENSG000000203995	ENSG000000121310	ENSG000000116171	ENSG000000279054
##	6198	64	533	10050	0
##	ENSG000000174348	ENSG000000162383	ENSG000000157184	ENSG000000162384	ENSG000000162385
##	1179	56	733	1580	1494
##	ENSG000000157193	ENSG000000143006	ENSG000000174332	ENSG000000058804	ENSG000000058799
##	1310	0	334	2746	2360
##	ENSG000000211452	ENSG000000081870	ENSG000000116212	ENSG000000203985	ENSG000000116209
##	4	1206	3076	0	21060
##	ENSG000000116205	ENSG000000157211	ENSG000000256407	ENSG000000215883	ENSG000000116221
##	1056	0	0	148	7200
##	ENSG000000157216	ENSG000000162390	ENSG000000162391	ENSG000000184313	ENSG000000271723
##	5704	151	11	0	0
##	ENSG000000243725	ENSG000000162396	ENSG000000006555	ENSG000000162398	ENSG000000116133
##	160	270	0	0	16414
##	ENSG000000143001	ENSG000000162399	ENSG000000169174	ENSG000000162402	ENSG000000162407
##	0	0	70	8319	4467
##	ENSG000000162409	ENSG000000187889	ENSG000000157131	ENSG000000021852	ENSG000000173406
##	375	3	0	0	539
##	ENSG000000162600	ENSG000000184292	ENSG000000162601	ENSG000000177606	ENSG000000172456
##	430	9	3454	14408	468
##	ENSG000000134709	ENSG000000134716	ENSG000000162598	ENSG000000162599	ENSG000000162604
##	1	5	0	179	2087
##	ENSG000000132849	ENSG000000240563	ENSG000000132854	ENSG000000162607	ENSG000000116641
##	319	0	0	2284	14645
##	ENSG000000132855	ENSG000000125703	ENSG000000187140	ENSG000000088035	ENSG000000142856
##	6	761	0	903	318
##	ENSG000000203965	ENSG000000079739	ENSG000000185483	ENSG000000177414	ENSG000000158966
##	193	4017	1585	1	968
##	ENSG000000162437	ENSG000000162434	ENSG000000162433	ENSG000000116675	ENSG000000213625
##	691	29672	424	51	11830
##	ENSG000000116678	ENSG000000184588	ENSG000000118473	ENSG000000152760	ENSG000000172410
##	980	1459	7417	18	0
##	ENSG000000152763	ENSG000000198160	ENSG000000116704	ENSG000000203963	ENSG000000162594
##	260	4711	3464	0	0
##	ENSG000000081985	ENSG000000142864	ENSG000000116717	ENSG000000172380	ENSG000000162595
##	2	30107	5057	30050	444
##	ENSG000000116729	ENSG000000116745	ENSG000000024526	ENSG000000033122	ENSG000000066557
##	88201	47	1943	62	2095
##	ENSG000000116754	ENSG000000118454	ENSG000000197568	ENSG000000279230	ENSG000000116761
##	12676	3679	652	0	417
##	ENSG000000050628	ENSG000000132485	ENSG000000172260	ENSG000000162620	ENSG000000254685
##	3	6768	4228	146	1059
##	ENSG000000259030	ENSG000000116783	ENSG000000162621	ENSG000000178965	ENSG000000116791
##	22	1	0	0	3459
##	ENSG000000162623	ENSG000000162624	ENSG000000137968	ENSG000000117054	ENSG000000137955
##	3083	0	11	2490	4501
##	ENSG000000057468	ENSG000000154007	ENSG000000184005	ENSG000000117069	ENSG000000142892
##	5	0	173	140	4023

##	ENSG00000154027	ENSG00000036549	ENSG00000077254	ENSG00000180488	ENSG00000162614
##	8266	5193	6793	4560	11821
##	ENSG00000162613	ENSG00000162616	ENSG00000137960	ENSG00000122420	ENSG00000137959
##	8453	6122	56	762	35
##	ENSG00000137965	ENSG00000162618	ENSG00000117114	ENSG00000137941	ENSG00000142875
##	114	1169	4278	3367	5387
##	ENSG00000203943	ENSG00000137976	ENSG00000117133	ENSG00000174021	ENSG00000117151
##	45	1	3004	11306	1969
##	ENSG00000117155	ENSG00000171517	ENSG00000153898	ENSG00000162643	ENSG00000055732
##	6668	489	44	484	12
##	ENSG00000097096	ENSG00000162642	ENSG00000142867	ENSG00000153904	ENSG00000142871
##	491	2099	3558	16929	38748
##	ENSG00000117174	ENSG00000171502	ENSG00000122417	ENSG00000137975	ENSG00000016490
##	4350	879	2448	214	0
##	ENSG00000016602	ENSG00000097033	ENSG00000183291	ENSG00000153936	ENSG00000267561
##	0	13537	11769	5179	0
##	ENSG00000143013	ENSG00000065243	ENSG00000137947	ENSG00000137944	ENSG00000213516
##	4653	4695	2288	1841	868
##	ENSG00000117226	ENSG00000117228	ENSG00000162645	ENSG00000213512	ENSG00000162654
##	3898	4002	532	1	7
##	ENSG00000154451	ENSG00000183347	ENSG00000197147	ENSG00000171488	ENSG00000271949
##	0	0	306	8760	0
##	ENSG00000171492	ENSG00000162664	ENSG00000143032	ENSG00000122482	ENSG00000162669
##	3105	2816	0	4574	20
##	ENSG00000097046	ENSG00000069702	ENSG00000137948	ENSG00000172031	ENSG00000230667
##	273	744	0	662	8
##	ENSG00000189195	ENSG00000069712	ENSG00000203910	ENSG00000174842	ENSG00000122484
##	63	398	2	883	2195
##	ENSG00000162676	ENSG00000067208	ENSG00000122406	ENSG00000154511	ENSG00000143033
##	24	4030	52088	2439	2161
##	ENSG00000117500	ENSG00000122483	ENSG00000117505	ENSG00000137942	ENSG00000137936
##	10495	707	8378	2896	4545
##	ENSG00000067334	ENSG00000023909	ENSG00000198691	ENSG00000137962	ENSG00000117528
##	4479	2447	11	4409	6069
##	ENSG00000117525	ENSG00000143036	ENSG00000117519	ENSG00000172339	ENSG00000152078
##	29732	137	26248	735	406
##	ENSG00000271092	ENSG00000122481	ENSG00000117569	ENSG00000188641	ENSG00000162627
##	29	192	1192	1587	2624
##	ENSG00000117598	ENSG00000117600	ENSG00000099260	ENSG00000156869	ENSG00000162688
##	9	692	18	294	2262
##	ENSG00000117620	ENSG00000156875	ENSG00000156876	ENSG00000122435	ENSG00000122477
##	2222	5762	391	625	22
##	ENSG00000137992	ENSG00000137996	ENSG00000079335	ENSG00000181656	ENSG00000162692
##	2699	5546	411	10	2498
##	ENSG00000162694	ENSG00000162695	ENSG00000117543	ENSG00000170989	ENSG00000118733
##	4410	4703	1525	918	0
##	ENSG00000060718	ENSG00000185946	ENSG00000240038	ENSG00000243480	ENSG00000237763
##	4083	523	57	0	0
##	ENSG00000174876	ENSG00000187733	ENSG00000198890	ENSG00000162631	ENSG00000134215
##	0	0	2480	310	48
##	ENSG00000085491	ENSG00000196427	ENSG00000186086	ENSG00000162636	ENSG00000162639
##	7448	0	0	1499	67
##	ENSG00000134186	ENSG00000143107	ENSG00000116266	ENSG00000162641	ENSG00000274068
##	4641	6	3878	13	0

##	ENSG00000121957	ENSG00000121940	ENSG00000085433	ENSG00000197780	ENSG00000215717
##	965	2442	4262	6527	6733
##	ENSG00000179902	ENSG00000116299	ENSG00000031698	ENSG00000143126	ENSG00000134222
##	5	141	19168	1657	1291
##	ENSG00000221986	ENSG00000134243	ENSG00000143106	ENSG00000143028	ENSG00000162650
##	5	10130	9001	414	343
##	ENSG00000174151	ENSG00000181754	ENSG00000156097	ENSG00000065135	ENSG00000134183
##	2146	352	9	14567	0
##	ENSG00000116337	ENSG00000168765	ENSG00000213366	ENSG00000134184	ENSG00000134201
##	10005	1181	1588	1	62
##	ENSG00000134202	ENSG00000198758	ENSG00000184371	ENSG00000168710	ENSG00000143093
##	2684	0	5380	15520	4320
##	ENSG00000156150	ENSG00000186150	ENSG00000197106	ENSG00000116396	ENSG00000162775
##	0	0	283	734	1085
##	ENSG00000168679	ENSG00000134248	ENSG00000143125	ENSG00000143105	ENSG00000177301
##	1970	4340	2	0	9
##	ENSG00000177272	ENSG00000143119	ENSG00000121931	ENSG00000156171	ENSG00000134255
##	41	0	1232	1908	1418
##	ENSG00000162777	ENSG00000064886	ENSG00000134216	ENSG00000173947	ENSG00000085465
##	39	37	0	14	94
##	ENSG00000116455	ENSG00000116459	ENSG00000143110	ENSG00000121933	ENSG00000282608
##	2494	11622	8	3	0
##	ENSG00000116473	ENSG00000197852	ENSG00000064703	ENSG00000171385	ENSG00000143079
##	7104	1750	2152	31	5965
##	ENSG00000134245	ENSG00000007341	ENSG00000116489	ENSG00000155363	ENSG00000155366
##	93	845	22170	3317	19212
##	ENSG00000271810	ENSG00000155367	ENSG00000184599	ENSG00000155380	ENSG00000198799
##	0	38	29	8922	1302
##	ENSG00000081026	ENSG00000116793	ENSG00000081019	ENSG00000134242	ENSG00000188761
##	1227	3654	1707	11	6
##	ENSG00000134262	ENSG00000118655	ENSG00000163349	ENSG00000116774	ENSG00000134207
##	743	807	6844	5362	0
##	ENSG00000197323	ENSG00000116752	ENSG00000175984	ENSG00000116748	ENSG00000213281
##	4579	2196	213	0	13433
##	ENSG00000009307	ENSG00000052723	ENSG00000198765	ENSG00000134200	ENSG00000134198
##	73004	4418	0	0	121
##	ENSG00000134259	ENSG00000173218	ENSG00000118729	ENSG00000177551	ENSG00000163393
##	153	2102	0	2	15
##	ENSG00000173212	ENSG00000163399	ENSG00000116815	ENSG00000143061	ENSG00000116824
##	0	34501	237	4	0
##	ENSG00000134247	ENSG00000134256	ENSG00000116830	ENSG00000134253	ENSG00000134258
##	433	1	1371	204	0
##	ENSG00000198162	ENSG00000183508	ENSG00000196505	ENSG00000065183	ENSG00000155761
##	13451	13061	2673	4908	9
##	ENSG00000092607	ENSG00000116874	ENSG00000116882	ENSG00000203859	ENSG00000203857
##	0	880	0	0	0
##	ENSG00000143067	ENSG00000092621	ENSG00000134240	ENSG00000134193	ENSG00000134249
##	6231	7464	0	0	0
##	ENSG00000134250	ENSG00000265808	ENSG00000278882	ENSG00000273136	ENSG00000263353
##	23607	15949	99	485	2
##	ENSG00000281741	ENSG00000198019	ENSG00000188610	ENSG00000171943	ENSG00000203818
##	5	0	96	766	0
##	ENSG00000263513	ENSG00000271567	ENSG00000266338	ENSG00000279782	ENSG00000196369
##	34	1	3414	0	470

##	ENSG00000215784	ENSG00000281571	ENSG00000256374	ENSG00000162825	ENSG00000117262
##	35	14	0	355	470
##	ENSG00000174827	ENSG00000117281	ENSG00000265491	ENSG00000186141	ENSG00000186364
##	122	66	8717	4228	63
##	ENSG00000131788	ENSG00000198483	ENSG00000143127	ENSG00000131779	ENSG00000265241
##	5704	278	458	2549	5223
##	ENSG00000280778	ENSG00000271601	ENSG00000272031	ENSG00000121851	ENSG00000265972
##	0	5615	512	851	9981
##	ENSG00000168509	ENSG00000271425	ENSG00000213240	ENSG00000264343	ENSG00000270339
##	0	173	0	67	0
##	ENSG00000268043	ENSG00000131791	ENSG00000131781	ENSG00000131778	ENSG00000116128
##	761	4313	112	3930	2899
##	ENSG00000162836	ENSG00000265107	ENSG00000121634	ENSG00000188092	ENSG00000263956
##	678	1	0	191	605
##	ENSG00000280649	ENSG00000236334	ENSG00000270629	ENSG00000178104	ENSG00000269713
##	39	0	534	5513	2986
##	ENSG00000271383	ENSG00000263464	ENSG00000272058	ENSG00000150337	ENSG00000203814
##	631	1	0	31	82
##	ENSG00000183598	ENSG00000270882	ENSG00000203811	ENSG00000203812	ENSG00000184678
##	7	35	2	14	4576
##	ENSG00000272196	ENSG00000203852	ENSG00000270276	ENSG00000184260	ENSG00000184270
##	8	1	4	10	11
##	ENSG00000178096	ENSG00000159164	ENSG00000143368	ENSG00000014914	ENSG00000264522
##	323	4528	7539	972	4524
##	ENSG00000136631	ENSG00000023902	ENSG00000143401	ENSG00000118298	ENSG00000117362
##	3202	8552	6556	19	10445
##	ENSG00000118292	ENSG00000159208	ENSG00000266472	ENSG00000278939	ENSG00000117360
##	1361	381	3519	2	3518
##	ENSG00000163125	ENSG00000143374	ENSG00000143369	ENSG00000143382	ENSG00000143384
##	4448	1690	17532	1169	40335
##	ENSG00000143420	ENSG00000143457	ENSG00000143452	ENSG00000163131	ENSG00000143387
##	7329	2177	1	213	1164
##	ENSG00000143437	ENSG00000143379	ENSG00000143418	ENSG00000143412	ENSG00000143409
##	3846	1661	10717	113	719
##	ENSG00000143363	ENSG00000163141	ENSG00000143443	ENSG00000197622	ENSG00000213190
##	1099	8	210	9987	12227
##	ENSG00000143458	ENSG00000143434	ENSG00000163154	ENSG00000163156	ENSG00000163155
##	1027	515	7	2185	925
##	ENSG00000163157	ENSG00000163159	ENSG00000143398	ENSG00000159352	ENSG00000143373
##	0	2977	9314	10544	2422
##	ENSG00000143393	ENSG00000143390	ENSG00000143416	ENSG00000159377	ENSG00000143442
##	9732	2377	833	15802	4321
##	ENSG00000143375	ENSG00000143367	ENSG00000143376	ENSG00000159409	ENSG00000178796
##	52	2170	4497	1	0
##	ENSG00000143436	ENSG00000143450	ENSG00000182134	ENSG00000213171	ENSG00000143365
##	1725	38	114	0	0
##	ENSG00000225556	ENSG00000196407	ENSG00000159445	ENSG00000197747	ENSG00000163191
##	15	29	859	12275	32362
##	ENSG00000182898	ENSG00000159450	ENSG00000215853	ENSG00000197915	ENSG00000143631
##	0	7	0	6	103
##	ENSG00000143520	ENSG00000143536	ENSG00000186207	ENSG00000244057	ENSG00000279850
##	1	0	0	0	0
##	ENSG00000169509	ENSG00000185966	ENSG00000163202	ENSG00000187238	ENSG00000185962
##	0	0	0	0	0

##	ENSG00000187223	ENSG00000187180	ENSG00000159455	ENSG00000187173	ENSG00000187170
##	0	2	1	45	2
##	ENSG00000198854	ENSG00000196734	ENSG00000203786	ENSG00000240386	ENSG00000186226
##	0	0	1	1	0
##	ENSG00000172155	ENSG00000197084	ENSG00000186844	ENSG00000235942	ENSG00000163206
##	0	0	0	0	0
##	ENSG00000163207	ENSG00000184148	ENSG00000169474	ENSG00000163209	ENSG00000169469
##	0	0	0	0	0
##	ENSG00000163216	ENSG00000241794	ENSG00000196805	ENSG00000203785	ENSG00000244094
##	0	0	0	0	0
##	ENSG00000159516	ENSG00000203784	ENSG00000203783	ENSG00000203782	ENSG00000159527
##	0	0	0	0	0
##	ENSG00000163218	ENSG00000163220	ENSG00000163221	ENSG00000143546	ENSG00000184330
##	0	0	0	0	0
##	ENSG00000197364	ENSG00000143556	ENSG00000197956	ENSG00000196420	ENSG00000196154
##	0	0	49128	8	318
##	ENSG00000188015	ENSG00000196754	ENSG00000188643	ENSG00000189334	ENSG00000189171
##	76	192	23858	6	5016
##	ENSG00000160678	ENSG00000160679	ENSG00000143553	ENSG00000143621	ENSG00000169418
##	24	4228	2105	16331	1
##	ENSG00000143624	ENSG00000279767	ENSG00000143554	ENSG00000143614	ENSG00000198837
##	4398	0	451	2481	3279
##	ENSG00000160741	ENSG00000143570	ENSG00000143578	ENSG00000143543	ENSG00000143545
##	3439	11114	211	8403	18252
##	ENSG00000177954	ENSG00000143552	ENSG00000143549	ENSG00000163263	ENSG00000143612
##	25923	11	46082	0	12217
##	ENSG00000143569	ENSG00000143575	ENSG00000143595	ENSG00000143515	ENSG00000160712
##	22962	5424	1	12349	754
##	ENSG00000169291	ENSG00000163239	ENSG00000160714	ENSG00000160716	ENSG00000160710
##	2	1	8895	12	28840
##	ENSG00000143603	ENSG00000163344	ENSG00000163346	ENSG00000163348	ENSG00000160691
##	2	1418	18291	2743	55033
##	ENSG00000173207	ENSG00000160688	ENSG00000163352	ENSG00000160685	ENSG00000163354
##	1171	2890	2	2436	6
##	ENSG00000163357	ENSG00000143537	ENSG00000243364	ENSG00000251246	ENSG00000143590
##	2	7215	615	0	18
##	ENSG00000169242	ENSG00000169241	ENSG00000179085	ENSG00000163463	ENSG00000273088
##	14	1084	767	148	0
##	ENSG00000163462	ENSG00000185499	ENSG00000279986	ENSG00000279487	ENSG00000169231
##	748	218	0	2	1384
##	ENSG00000173171	ENSG00000177628	ENSG00000160767	ENSG00000116521	ENSG00000176444
##	1180	6484	6667	9939	1440
##	ENSG00000143630	ENSG00000143627	ENSG00000160752	ENSG00000160753	ENSG00000116539
##	264	0	5377	3551	9322
##	ENSG00000125459	ENSG00000163374	ENSG00000132676	ENSG00000116580	ENSG00000132718
##	1114	2755	8278	5000	8997
##	ENSG00000143622	ENSG00000132680	ENSG00000173080	ENSG00000116584	ENSG00000163479
##	5162	2431	1	11055	25675
##	ENSG00000160803	ENSG00000116586	ENSG00000132698	ENSG00000254726	ENSG00000160789
##	5194	2337	1	6078	70054
##	ENSG00000196189	ENSG00000160785	ENSG00000260238	ENSG00000160783	ENSG00000242252
##	18	3569	1	589	1
##	ENSG00000160781	ENSG00000198952	ENSG00000163472	ENSG00000198715	ENSG00000189030
##	49	14562	282	3923	1

##	ENSG00000163468	ENSG00000163467	ENSG00000132677	ENSG00000125462	ENSG00000116604
##	30363	13	0	1	9459
##	ENSG00000183856	ENSG00000187862	ENSG00000163382	ENSG00000160818	ENSG00000280316
##	1900	0	2576	2530	3
##	ENSG00000132702	ENSG00000132692	ENSG00000132688	ENSG00000143320	ENSG00000143319
##	2	11	36103	537	3172
##	ENSG00000143303	ENSG00000143314	ENSG00000143321	ENSG00000143294	ENSG00000027869
##	720	2540	22184	5597	3
##	ENSG00000198400	ENSG00000027644	ENSG00000187800	ENSG00000160838	ENSG00000132694
##	1	0	3663	4	5109
##	ENSG00000253831	ENSG00000117036	ENSG00000143297	ENSG00000163518	ENSG00000160856
##	1	2849	0	0	0
##	ENSG00000132704	ENSG00000163534	ENSG00000073754	ENSG00000183853	ENSG00000158473
##	0	0	0	34031	25
##	ENSG00000158477	ENSG00000158481	ENSG00000158485	ENSG00000158488	ENSG00000186306
##	0	0	0	0	0
##	ENSG00000180708	ENSG00000173285	ENSG00000198965	ENSG00000197532	ENSG00000186440
##	0	0	0	0	0
##	ENSG00000186400	ENSG00000198967	ENSG00000163554	ENSG00000196171	ENSG00000203757
##	0	0	0	0	0
##	ENSG00000180433	ENSG00000197403	ENSG00000188340	ENSG00000163563	ENSG00000163564
##	0	0	0	0	3
##	ENSG00000163565	ENSG00000163568	ENSG00000162706	ENSG00000213088	ENSG00000179639
##	6116	1	0	0	0
##	ENSG00000196266	ENSG00000196184	ENSG00000184155	ENSG00000132703	ENSG00000132693
##	0	0	0	0	0
##	ENSG00000158716	ENSG00000181036	ENSG00000158714	ENSG00000188004	ENSG00000243284
##	342	0	5	12	10
##	ENSG00000256029	ENSG00000213085	ENSG00000158710	ENSG00000085552	ENSG00000162723
##	0	69	29578	1	2
##	ENSG00000143315	ENSG00000177807	ENSG00000162728	ENSG00000162729	ENSG00000018625
##	1319	1	0	3450	0
##	ENSG00000132681	ENSG00000143318	ENSG00000162734	ENSG00000132716	ENSG00000258465
##	0	7	41534	3434	4
##	ENSG00000162735	ENSG00000122218	ENSG00000162736	ENSG00000171786	ENSG00000162738
##	4457	41681	20043	8	994
##	ENSG00000162739	ENSG00000066294	ENSG00000117090	ENSG00000117091	ENSG00000026751
##	0	0	0	0	0
##	ENSG00000122224	ENSG00000122223	ENSG00000179914	ENSG00000158764	ENSG00000158769
##	0	0	0	0	95
##	ENSG00000270149	ENSG00000215845	ENSG00000158773	ENSG00000186517	ENSG00000278883
##	0	5	2818	24	0
##	ENSG00000143217	ENSG00000162755	ENSG00000143256	ENSG00000158793	ENSG00000158796
##	14	26	4804	1196	1996
##	ENSG00000143222	ENSG00000143258	ENSG00000143224	ENSG00000158850	ENSG00000158859
##	5373	940	637	4019	166
##	ENSG00000158864	ENSG00000158869	ENSG00000158874	ENSG00000158882	ENSG00000143257
##	7421	19	0	1026	24
##	ENSG00000248485	ENSG00000158887	ENSG00000143252	ENSG00000188931	ENSG00000143226
##	3	96	7951	0	10
##	ENSG00000173110	ENSG00000203747	ENSG00000072694	ENSG00000162747	ENSG00000132185
##	25	0	0	0	68
##	ENSG00000162746	ENSG00000081721	ENSG00000118217	ENSG00000162745	ENSG00000198929
##	186	1354	6060	296	69

##	ENSG00000254706	ENSG00000239887	ENSG00000171722	ENSG00000198574	ENSG00000152332
##	0	159	2	3	33786
##	ENSG00000117143	ENSG00000162733	ENSG00000132196	ENSG00000185860	ENSG00000117152
##	9589	28750	510	10	26725
##	ENSG00000143248	ENSG00000143228	ENSG00000185630	ENSG00000162761	ENSG00000143171
##	4273	776	3132	0	0
##	ENSG00000162763	ENSG00000143198	ENSG00000143149	ENSG00000143183	ENSG00000143179
##	0	5206	5966	9028	5002
##	ENSG00000188859	ENSG00000143157	ENSG00000152382	ENSG00000143195	ENSG00000143194
##	9	4202	488	14	1
##	ENSG00000143167	ENSG00000198842	ENSG00000143190	ENSG00000198821	ENSG00000143162
##	0	0	742	0	1656
##	ENSG00000198771	ENSG00000197965	ENSG00000143199	ENSG00000143158	ENSG00000143164
##	1	17391	28	4589	9195
##	ENSG00000143147	ENSG00000143155	ENSG00000213064	ENSG00000143178	ENSG00000143185
##	3698	4133	2301	68	0
##	ENSG00000143184	ENSG00000143196	ENSG00000143153	ENSG00000143156	ENSG00000117475
##	0	0	2526	1452	2749
##	ENSG00000117477	ENSG00000117479	ENSG00000198734	ENSG00000174175	ENSG00000000460
##	17	1426	1	0	382
##	ENSG00000188404	ENSG00000007908	ENSG00000171806	ENSG00000000457	ENSG00000075945
##	0	0	270	505	2445
##	ENSG00000203740	ENSG00000120370	ENSG00000116132	ENSG00000117501	ENSG00000007933
##	0	1054	8991	0	12
##	ENSG00000094963	ENSG00000010932	ENSG00000076258	ENSG00000117523	ENSG000000034971
##	6	5	18	30960	0
##	ENSG00000117533	ENSG00000010165	ENSG00000197959	ENSG00000135845	ENSG00000180999
##	1943	3498	84	1286	1
##	ENSG00000094975	ENSG00000117560	ENSG00000120337	ENSG00000117586	ENSG00000117592
##	13698	5	569	5362	64321
##	ENSG00000162753	ENSG00000183831	ENSG00000076321	ENSG00000120334	ENSG00000117593
##	0	3	3091	957	2463
##	ENSG00000185278	ENSG00000117601	ENSG00000135870	ENSG00000152061	ENSG00000203737
##	1138	8	4421	2015	1
##	ENSG00000116161	ENSG00000120333	ENSG00000120332	ENSG00000235750	ENSG00000116147
##	4770	1292	0	2	0
##	ENSG00000143207	ENSG00000116183	ENSG00000152092	ENSG00000198797	ENSG00000120341
##	4895	89	19	5	9
##	ENSG00000075391	ENSG00000240021	ENSG00000116191	ENSG00000116194	ENSG00000116199
##	3330	0	5592	5	7635
##	ENSG00000186283	ENSG00000143322	ENSG00000057252	ENSG00000162779	ENSG00000116218
##	1837	9404	7688	3	0
##	ENSG00000162782	ENSG00000143340	ENSG00000169905	ENSG00000143337	ENSG00000135837
##	0	0	8801	6822	5563
##	ENSG00000116260	ENSG00000121454	ENSG00000230124	ENSG00000143324	ENSG00000135835
##	152309	118	2955	6369	384
##	ENSG00000135823	ENSG00000153029	ENSG00000162783	ENSG00000198216	ENSG00000179930
##	7036	402	5454	1	0
##	ENSG00000135821	ENSG00000203730	ENSG00000121446	ENSG00000135828	ENSG00000143333
##	7656	0	0	862	36
##	ENSG00000135824	ENSG00000135838	ENSG00000135829	ENSG00000157060	ENSG00000135862
##	0	39	19074	1	96518
##	ENSG00000058085	ENSG00000157064	ENSG00000116698	ENSG00000116701	ENSG00000162704
##	1812	194	7982	153	20747

##	ENSG00000143344	ENSG00000173627	ENSG00000198756	ENSG00000198860	ENSG00000116667
##	4244	1	497	2209	1159
##	ENSG00000116406	ENSG00000135842	ENSG00000121481	ENSG00000121486	ENSG00000116668
##	10767	3556	2471	1980	493
##	ENSG00000116679	ENSG00000143341	ENSG00000116690	ENSG00000047410	ENSG00000157181
##	5422	14307	51	16493	1902
##	ENSG00000279374	ENSG00000262180	ENSG00000116703	ENSG00000073756	ENSG00000116711
##	2	16	0	8879	1615
##	ENSG00000162670	ENSG00000150681	ENSG00000253148	ENSG00000090104	ENSG00000127074
##	32	101	0	2	0
##	ENSG00000116741	ENSG00000116750	ENSG00000116747	ENSG00000023572	ENSG00000134371
##	910	2515	5385	1214	4511
##	ENSG00000162630	ENSG00000162687	ENSG00000000971	ENSG00000116785	ENSG00000276911
##	212	95	2417	0	0
##	ENSG00000244414	ENSG00000134365	ENSG00000080910	ENSG00000134389	ENSG00000143278
##	0	0	0	0	0
##	ENSG00000066279	ENSG00000177888	ENSG00000134376	ENSG00000213047	ENSG00000203724
##	3452	2302	5	1025	166
##	ENSG00000143355	ENSG00000151414	ENSG00000151418	ENSG00000081237	ENSG00000116833
##	20	14698	0	3	100
##	ENSG00000162702	ENSG00000118193	ENSG00000118197	ENSG00000118200	ENSG00000170128
##	7697	1249	988	14532	0
##	ENSG00000163362	ENSG00000116852	ENSG00000081248	ENSG00000232237	ENSG00000116857
##	8	319	0	2	4917
##	ENSG00000163395	ENSG00000081277	ENSG00000118194	ENSG00000159166	ENSG00000159173
##	3	17	13	1	0
##	ENSG00000174307	ENSG00000159176	ENSG00000134369	ENSG00000198700	ENSG00000198892
##	12698	33388	33133	9844	2182
##	ENSG00000163431	ENSG00000134375	ENSG00000176393	ENSG00000163435	ENSG00000170075
##	3756	9176	7851	1	0
##	ENSG00000143862	ENSG00000143851	ENSG00000133067	ENSG00000077152	ENSG00000077157
##	4158	1	0	775	1513
##	ENSG00000143858	ENSG00000117139	ENSG00000183155	ENSG00000117153	ENSG00000159346
##	8	13507	1665	2611	7821
##	ENSG00000159348	ENSG00000163444	ENSG00000143847	ENSG00000122180	ENSG00000163485
##	5160	4244	70	0	233
##	ENSG00000133055	ENSG00000133048	ENSG00000133063	ENSG00000159388	ENSG00000122176
##	1	79	5	4188	1205
##	ENSG00000188783	ENSG00000188770	ENSG00000058668	ENSG00000122188	ENSG00000058673
##	59	3	65371	0	14866
##	ENSG00000257315	ENSG00000182004	ENSG00000143842	ENSG00000143845	ENSG00000143839
##	2272	3710	415	1033	17
##	ENSG00000170498	ENSG00000174567	ENSG00000143850	ENSG00000158615	ENSG00000133056
##	220	5	2124	7233	398
##	ENSG00000198625	ENSG00000170382	ENSG00000163531	ENSG00000184144	ENSG00000174529
##	1325	3	335	3	123
##	ENSG00000117222	ENSG00000133059	ENSG00000133069	ENSG00000163545	ENSG00000162873
##	2541	6182	578	1757	2
##	ENSG00000186007	ENSG00000117266	ENSG00000174514	ENSG00000158711	ENSG00000158715
##	0	16	33	4924	879
##	ENSG00000069275	ENSG00000117280	ENSG00000133065	ENSG00000162877	ENSG00000174502
##	29766	1667	5122	0	0
##	ENSG00000276600	ENSG00000196188	ENSG00000263961	ENSG00000198049	ENSG00000196550
##	866	0	0	0	52

##	ENSG00000266028	ENSG00000263528	ENSG00000266094	ENSG00000143486	ENSG00000143479
##	4184	2135	175	2512	2141
##	ENSG00000162889	ENSG00000136634	ENSG00000142224	ENSG00000162891	ENSG00000162892
##	16097	0	0	10	165
##	ENSG00000162894	ENSG00000162896	ENSG00000162897	ENSG00000182795	ENSG00000123836
##	39	1	0	2	383
##	ENSG00000180667	ENSG00000123843	ENSG00000123838	ENSG00000196352	ENSG00000117322
##	1324	1	0	2345	0
##	ENSG00000203710	ENSG00000197721	ENSG00000117335	ENSG00000174059	ENSG00000076356
##	0	1	18285	6	676
##	ENSG00000008118	ENSG00000196878	ENSG00000123689	ENSG00000117594	ENSG00000009790
##	336	273	139	872	3
##	ENSG00000162757	ENSG00000117595	ENSG00000117597	ENSG00000143469	ENSG00000082497
##	189	35	4978	972	56
##	ENSG00000054392	ENSG00000143473	ENSG00000117625	ENSG00000082512	ENSG00000198570
##	848	140	2170	1107	1
##	ENSG00000170385	ENSG00000117650	ENSG00000123684	ENSG00000143493	ENSG00000143476
##	5755	733	5954	1406	889
##	ENSG00000066027	ENSG00000065600	ENSG00000117691	ENSG00000162772	ENSG00000162771
##	2822	1802	2478	1184	0
##	ENSG00000123685	ENSG00000117697	ENSG00000203705	ENSG00000185523	ENSG00000162769
##	112	1904	779	5	495
##	ENSG00000143494	ENSG00000174606	ENSG00000136643	ENSG00000117707	ENSG00000143499
##	794	2422	4184	55	2090
##	ENSG00000152104	ENSG00000117724	ENSG00000082482	ENSG00000136636	ENSG00000042781
##	19736	7725	2515	5331	15
##	ENSG00000196482	ENSG00000092978	ENSG00000162814	ENSG00000067533	ENSG00000092969
##	40	1440	41	2049	2378
##	ENSG00000143353	ENSG00000196660	ENSG00000136628	ENSG00000162813	ENSG00000067704
##	764	1	26444	2647	12533
##	ENSG00000118873	ENSG00000116141	ENSG00000162817	ENSG00000117791	ENSG00000186205
##	5348	1	13	118	28
##	ENSG00000136630	ENSG00000143507	ENSG00000143512	ENSG00000143498	ENSG00000154305
##	552	3595	7	301	7250
##	ENSG00000186063	ENSG00000162819	ENSG00000197520	ENSG00000154309	ENSG00000187554
##	7162	5289	1	785	16
##	ENSG00000143502	ENSG00000178395	ENSG00000203697	ENSG00000162909	ENSG00000143514
##	56	0	0	80793	5778
##	ENSG00000143756	ENSG00000143753	ENSG00000143748	ENSG00000143771	ENSG00000162923
##	4408	14321	1390	2405	20686
##	ENSG00000143786	ENSG00000185842	ENSG00000143815	ENSG00000154380	ENSG00000143742
##	2676	309	3653	16601	14522
##	ENSG00000143819	ENSG00000196187	ENSG00000243709	ENSG00000255835	ENSG00000143811
##	3821	2860	0	0	1727
##	ENSG00000143768	ENSG00000143751	ENSG00000163041	ENSG00000182827	ENSG00000185155
##	0	2993	5557	11088	4
##	ENSG00000183814	ENSG00000143799	ENSG00000203685	ENSG00000143772	ENSG00000143801
##	357	6092	0	1121	1393
##	ENSG00000163050	ENSG00000143776	ENSG00000181450	ENSG00000143740	ENSG00000081692
##	597	8439	516	3098	701
##	ENSG00000185888	ENSG00000143816	ENSG00000154342	ENSG00000143761	ENSG00000143793
##	0	146	0	43624	900
##	ENSG00000162910	ENSG00000143774	ENSG00000198835	ENSG00000181873	ENSG00000162913
##	1482	14187	196	1176	94

##	ENSG00000154358	ENSG00000154370	ENSG00000162931	ENSG00000168148	ENSG00000181218
##	3583	2581	47	2	310
##	ENSG00000196890	ENSG00000168159	ENSG00000116574	ENSG00000177800	ENSG00000168118
##	14	11236	321	0	3711
##	ENSG00000213029	ENSG00000154429	ENSG00000143632	ENSG00000069248	ENSG00000135776
##	0	1399	13	5202	1349
##	ENSG00000135801	ENSG00000135763	ENSG00000143641	ENSG00000177614	ENSG00000135775
##	2201	1992	32150	71	1810
##	ENSG00000135744	ENSG00000135773	ENSG00000119280	ENSG00000143643	ENSG00000173409
##	193	4	7934	1810	1162
##	ENSG00000182118	ENSG00000119283	ENSG00000143633	ENSG00000116906	ENSG00000116903
##	990	7	730	4048	1984
##	ENSG00000010072	ENSG00000135766	ENSG00000270106	ENSG00000116918	ENSG00000162946
##	1598	4829	0	3332	478
##	ENSG00000116991	ENSG00000212916	ENSG00000135778	ENSG00000135749	ENSG00000143674
##	5356	226	1709	3213	36
##	ENSG00000135750	ENSG00000183780	ENSG00000168275	ENSG00000059588	ENSG00000168264
##	171	74	1240	941	5828
##	ENSG00000279261	ENSG00000173726	ENSG00000188739	ENSG00000054267	ENSG00000152904
##	0	22715	91	4397	2398
##	ENSG00000116957	ENSG00000162885	ENSG00000168243	ENSG00000143669	ENSG00000116962
##	1874	1222	35	2019	28057
##	ENSG00000077585	ENSG00000086619	ENSG00000186197	ENSG00000116977	ENSG00000119285
##	2602	639	1	4468	6629
##	ENSG00000077522	ENSG00000116984	ENSG00000244020	ENSG00000198626	ENSG00000116996
##	3	4596	0	1	0
##	ENSG00000270188	ENSG00000133019	ENSG00000155816	ENSG00000180875	ENSG00000182901
##	0	4	3446	2809	55
##	ENSG00000091483	ENSG00000117009	ENSG00000054277	ENSG00000203668	ENSG00000162843
##	5557	3	981	2228	4
##	ENSG00000174371	ENSG00000196289	ENSG00000197769	ENSG00000180287	ENSG00000143702
##	484	0	2	1	17220
##	ENSG00000054282	ENSG00000117020	ENSG00000179456	ENSG00000173728	ENSG00000035687
##	3282	7787	1450	7	9659
##	ENSG00000179397	ENSG00000121644	ENSG00000203667	ENSG00000277877	ENSG00000153187
##	30	6614	89	25	37296
##	ENSG00000203666	ENSG00000162849	ENSG00000185420	ENSG00000162851	ENSG00000162852
##	311	1267	1296	1887	4375
##	ENSG00000143653	ENSG00000153207	ENSG00000197472	ENSG00000135747	ENSG00000277462
##	3870	7226	20	1	272
##	ENSG00000188295	ENSG00000196418	ENSG00000162714	ENSG00000162711	ENSG00000177535
##	703	601	3505	12	0
##	ENSG00000169224	ENSG00000196242	ENSG00000177489	ENSG00000177476	ENSG00000197437
##	1	0	0	0	0
##	ENSG00000169214	ENSG00000241128	ENSG00000153230	ENSG00000221888	ENSG00000196772
##	0	0	0	0	0
##	ENSG00000197591	ENSG00000162722	ENSG00000238243	ENSG00000177462	ENSG00000177275
##	0	262	21	1	0
##	ENSG00000196071	ENSG00000196936	ENSG00000187080	ENSG00000197454	ENSG00000203663
##	0	0	0	0	0
##	ENSG00000198128	ENSG00000162727	ENSG00000198601	ENSG00000228198	ENSG00000171180
##	0	0	0	0	0
##	ENSG00000177212	ENSG00000177201	ENSG00000177186	ENSG00000177174	ENSG00000196944
##	0	0	0	0	0

##	ENSG00000198104	ENSG00000175143	ENSG00000196240	ENSG00000196539	ENSG00000203661
##	0	0	0	0	0
##	ENSG00000188558	ENSG00000182783	ENSG00000183310	ENSG00000184022	ENSG00000183130
##	0	0	0	0	0
##	ENSG00000177151	ENSG00000187701	ENSG00000189181	ENSG00000259823	ENSG00000175137
##	0	0	0	0	8775
##	ENSG00000171161	ENSG00000171163	ENSG00000185220	ENSG00000184731	ENSG00000035115
##	1667	677	340	0	1126
##	ENSG00000143727	ENSG00000189292	ENSG00000151353	ENSG00000280360	ENSG00000172554
##	5677	6	1360	0	15
##	ENSG00000115705	ENSG00000130508	ENSG00000186487	ENSG00000032389	ENSG00000171853
##	7	216358	0	2071	4055
##	ENSG00000182551	ENSG00000255767	ENSG00000171865	ENSG00000171863	ENSG00000118004
##	7210	0	3444	38408	4
##	ENSG00000151360	ENSG00000214866	ENSG00000176887	ENSG00000134326	ENSG00000134321
##	0	0	2667	11	4
##	ENSG00000151692	ENSG00000115738	ENSG00000134313	ENSG00000143797	ENSG00000151693
##	50	4881	14747	4098	5460
##	ENSG00000119185	ENSG00000119203	ENSG00000134330	ENSG00000151694	ENSG00000134308
##	6619	3835	2632	3194	41694
##	ENSG00000115750	ENSG00000134317	ENSG00000172059	ENSG00000205795	ENSG00000171848
##	1823	18	599	95	4836
##	ENSG00000115756	ENSG00000115758	ENSG00000115761	ENSG00000143882	ENSG00000143870
##	5037	20351	2893	67	34523
##	ENSG00000162975	ENSG00000150873	ENSG00000162976	ENSG00000134318	ENSG00000169016
##	1681	5	951	12111	1750
##	ENSG00000196208	ENSG00000169006	ENSG00000134324	ENSG00000071575	ENSG00000162981
##	64	0	6049	3357	506
##	ENSG00000151779	ENSG00000079785	ENSG00000134323	ENSG00000197872	ENSG00000214842
##	8128	11895	0	703	0
##	ENSG00000163032	ENSG00000163029	ENSG00000178295	ENSG00000151379	ENSG00000170745
##	39	2850	1179	0	391
##	ENSG00000240857	ENSG00000250741	ENSG00000185013	ENSG00000143867	ENSG00000183891
##	911	0	7	1686	155
##	ENSG00000118965	ENSG00000132031	ENSG00000068697	ENSG00000115884	ENSG00000055917
##	1844	702	40642	4141	10969
##	ENSG00000143878	ENSG00000118960	ENSG00000143869	ENSG00000118961	ENSG00000084674
##	11519	2385	28	1738	1
##	ENSG00000218819	ENSG00000119771	ENSG00000119778	ENSG00000173960	ENSG00000205639
##	0	2223	1347	2900	24
##	ENSG00000163026	ENSG00000119782	ENSG00000115128	ENSG00000219626	ENSG00000115129
##	1418	217	3346	203	3937
##	ENSG00000176732	ENSG00000276087	ENSG00000186453	ENSG00000198399	ENSG00000084676
##	14	0	2	3218	2783
##	ENSG00000184924	ENSG00000138092	ENSG00000138031	ENSG00000115137	ENSG00000084710
##	801	1635	4556	444	280
##	ENSG00000115138	ENSG00000119772	ENSG00000138101	ENSG00000143970	ENSG00000084731
##	15	2088	373	3714	6725
##	ENSG00000084733	ENSG00000157833	ENSG00000084754	ENSG00000138029	ENSG00000173567
##	14365	348	14634	12796	17
##	ENSG00000138018	ENSG00000157856	ENSG00000115155	ENSG00000173557	ENSG00000157884
##	5419	12	2	0	0
##	ENSG00000171303	ENSG00000213699	ENSG00000115163	ENSG00000157851	ENSG00000084764
##	12	7283	441	0	2663

##	ENSG00000119777	ENSG00000084693	ENSG00000228474	ENSG00000138080	ENSG00000138030
##	13464	2001	8222	41922	26
##	ENSG00000138028	ENSG00000143994	ENSG00000138073	ENSG00000186143	ENSG00000163792
##	90	20	5974	0	0
##	ENSG00000138074	ENSG00000138085	ENSG00000084774	ENSG00000115194	ENSG00000163793
##	3039	4822	8415	16	0
##	ENSG00000138100	ENSG00000163794	ENSG00000115204	ENSG00000115207	ENSG00000115211
##	5	23	3454	4427	3433
##	ENSG00000115234	ENSG00000163795	ENSG00000115241	ENSG00000115216	ENSG00000157992
##	13162	1471	10427	17797	3
##	ENSG00000138002	ENSG00000115226	ENSG00000084734	ENSG00000233438	ENSG00000280034
##	1522	1896	6	7	1
##	ENSG00000221843	ENSG00000243943	ENSG00000176714	ENSG00000198522	ENSG00000119760
##	225	1397	72	2201	3091
##	ENSG00000163798	ENSG00000243147	ENSG00000171174	ENSG00000158019	ENSG00000075426
##	3442	2315	93	1327	7281
##	ENSG00000163803	ENSG00000213639	ENSG00000163806	ENSG00000171103	ENSG00000163811
##	93	13398	29	578	6634
##	ENSG00000189350	ENSG00000179270	ENSG00000115295	ENSG00000171094	ENSG00000119801
##	1	0	6525	6	10666
##	ENSG00000213626	ENSG00000172954	ENSG00000162949	ENSG00000158089	ENSG00000214711
##	12959	1746	0	4	17
##	ENSG00000013016	ENSG00000158125	ENSG00000277893	ENSG00000162959	ENSG00000162961
##	8938	235	0	293	2106
##	ENSG00000021574	ENSG00000152683	ENSG00000091106	ENSG00000119820	ENSG00000115760
##	1910	2992	44	6808	14384
##	ENSG00000018699	ENSG00000049323	ENSG00000152689	ENSG00000119812	ENSG00000150938
##	1769	82558	1775	13855	43758
##	ENSG00000171055	ENSG00000205221	ENSG00000115808	ENSG00000008869	ENSG00000152133
##	3995	1	3528	2944	1899
##	ENSG00000055332	ENSG00000138068	ENSG00000218739	ENSG00000115816	ENSG00000003509
##	9217	0	4211	3136	843
##	ENSG00000115825	ENSG00000115828	ENSG00000163171	ENSG00000115841	ENSG00000138061
##	5515	309	26907	608	873
##	ENSG00000119787	ENSG00000143889	ENSG00000143891	ENSG00000115875	ENSG00000152147
##	2385	5101	1623	6269	742
##	ENSG00000163214	ENSG00000188010	ENSG00000214694	ENSG00000115904	ENSG00000205111
##	2679	681	30	6180	4
##	ENSG00000011566	ENSG00000152154	ENSG00000138050	ENSG00000183023	ENSG00000205086
##	7418	30	721	3231	0
##	ENSG00000162878	ENSG00000143924	ENSG00000115944	ENSG00000171126	ENSG00000057935
##	1244	4851	9216	2	1641
##	ENSG00000162881	ENSG00000162882	ENSG00000152518	ENSG00000115970	ENSG00000152527
##	0	9	5179	2716	1165
##	ENSG00000138036	ENSG00000138075	ENSG00000143921	ENSG00000138095	ENSG00000138032
##	855	0	0	14430	3476
##	ENSG00000138079	ENSG00000138078	ENSG00000143919	ENSG00000138083	ENSG00000170577
##	3	5138	381	0	1
##	ENSG00000068784	ENSG00000171132	ENSG00000116016	ENSG00000187600	ENSG00000250565
##	939	1697	25987	0	261
##	ENSG00000119729	ENSG00000151665	ENSG00000119878	ENSG00000171150	ENSG00000180398
##	7891	848	1328	12239	37669
##	ENSG00000068724	ENSG00000239605	ENSG00000273269	ENSG00000143933	ENSG00000119888
##	1850	6	0	73037	24

##	ENSG00000095002	ENSG00000184261	ENSG00000116062	ENSG00000138081	ENSG00000170802
##	2110	23	4429	2782	1362
##	ENSG00000162869	ENSG00000243244	ENSG00000068781	ENSG00000242441	ENSG00000279956
##	1676	883	0	0	0
##	ENSG00000138039	ENSG00000170820	ENSG00000179915	ENSG00000115239	ENSG00000270898
##	2	0	13	85	10
##	ENSG00000143942	ENSG00000068912	ENSG00000119737	ENSG00000068878	ENSG00000170634
##	174	12923	155	17258	656
##	ENSG00000178021	ENSG00000177994	ENSG00000115306	ENSG00000214595	ENSG00000115310
##	1	0	35333	53	112752
##	ENSG00000162994	ENSG00000143947	ENSG00000085760	ENSG00000115355	ENSG00000163001
##	241	32489	2542	5815	3284
##	ENSG00000275052	ENSG00000138035	ENSG00000115380	ENSG00000055813	ENSG00000028116
##	7149	2814	14748	41	1698
##	ENSG00000115392	ENSG00000119866	ENSG00000115421	ENSG00000162924	ENSG00000162927
##	536	78	1355	227	422
##	ENSG00000162928	ENSG00000162929	ENSG00000237651	ENSG00000173209	ENSG00000115464
##	3060	726	67	926	11467
##	ENSG00000082898	ENSG00000170264	ENSG00000115484	ENSG00000173163	ENSG00000280544
##	14096	214	18441	1493	0
##	ENSG00000170340	ENSG00000186889	ENSG00000115504	ENSG00000115507	ENSG00000143951
##	1562	230	6260	4	367
##	ENSG00000014641	ENSG00000281071	ENSG00000169764	ENSG00000143952	ENSG00000197329
##	10444	0	7268	2291	801
##	ENSG00000119862	ENSG00000119844	ENSG00000279644	ENSG00000179833	ENSG00000115902
##	165	1277	0	3031	3068
##	ENSG00000011523	ENSG00000138069	ENSG00000138071	ENSG00000198369	ENSG00000143995
##	969	22331	50177	3837	6760
##	ENSG00000143971	ENSG00000197223	ENSG00000243667	ENSG00000273398	ENSG00000115946
##	1088	1960	95	0	2972
##	ENSG00000221823	ENSG00000119865	ENSG00000115956	ENSG00000204923	ENSG00000169621
##	4871	1463	5	133	405
##	ENSG00000169618	ENSG00000163219	ENSG00000163217	ENSG00000183607	ENSG00000169605
##	2	46	1	0	1
##	ENSG00000169604	ENSG00000198380	ENSG00000169599	ENSG00000115977	ENSG00000196975
##	24980	21250	2266	7202	6367
##	ENSG00000087338	ENSG00000124380	ENSG00000059728	ENSG00000279229	ENSG00000244617
##	2140	2971	1403	2	19
##	ENSG00000169564	ENSG00000115998	ENSG00000116001	ENSG00000116005	ENSG00000143977
##	8758	891	6683	13217	2706
##	ENSG00000035141	ENSG00000163235	ENSG00000075340	ENSG00000183733	ENSG00000152672
##	2378	3	0	0	0
##	ENSG00000116031	ENSG00000116035	ENSG00000116039	ENSG00000258881	ENSG00000144031
##	0	125	19	10	53
##	ENSG00000144043	ENSG00000124357	ENSG00000124370	ENSG00000124383	ENSG00000124374
##	13151	4985	433	3812	30
##	ENSG00000075292	ENSG00000135636	ENSG00000003137	ENSG00000144036	ENSG00000116096
##	8921	254	56	5831	1402
##	ENSG00000135638	ENSG00000144040	ENSG00000135631	ENSG00000214513	ENSG00000135632
##	1	1673	8547	0	2314
##	ENSG00000135617	ENSG00000135624	ENSG00000163013	ENSG00000135625	ENSG00000116127
##	1680	22638	1199	9	1958
##	ENSG00000144035	ENSG00000144034	ENSG00000144048	ENSG00000187833	ENSG00000124356
##	1	1063	2043	0	3056

##	ENSG00000163017	ENSG00000114956	ENSG00000187605	ENSG00000163170	ENSG00000114978
##	28812	3275	1831	955	13573
##	ENSG00000065911	ENSG00000264324	ENSG00000188687	ENSG00000204843	ENSG00000159239
##	9141	2	10	26782	92
##	ENSG00000005448	ENSG00000114993	ENSG00000115274	ENSG00000274049	ENSG00000239779
##	1008	1496	33	1	383
##	ENSG00000115275	ENSG00000204822	ENSG00000135637	ENSG00000115282	ENSG00000179528
##	8914	115	546	1513	26
##	ENSG00000115289	ENSG00000115297	ENSG00000144045	ENSG00000115307	ENSG00000115317
##	834	0	3	6901	1274
##	ENSG00000115318	ENSG00000115325	ENSG00000159374	ENSG00000135622	ENSG00000159399
##	2199	1144	6	1315	10385
##	ENSG00000115350	ENSG00000115353	ENSG00000115363	ENSG00000115364	ENSG00000005436
##	2304	321	2177	3722	1040
##	ENSG00000176204	ENSG00000143954	ENSG00000172023	ENSG00000115386	ENSG00000172016
##	0	0	0	0	0
##	ENSG00000066032	ENSG00000162951	ENSG00000163541	ENSG00000115423	ENSG00000186854
##	7	0	4864	8	1615
##	ENSG00000279992	ENSG00000034510	ENSG00000176407	ENSG00000152284	ENSG00000152291
##	0	104240	5893	2006	51226
##	ENSG00000042445	ENSG00000115459	ENSG00000042493	ENSG00000152292	ENSG00000168906
##	4757	1266	2100	5	13735
##	ENSG00000115486	ENSG00000118640	ENSG00000281331	ENSG00000168899	ENSG00000168894
##	6767	27	0	1217	4174
##	ENSG00000168890	ENSG00000168883	ENSG00000168887	ENSG00000168878	ENSG00000115523
##	1403	5061	1333	2	2
##	ENSG00000168874	ENSG00000115525	ENSG00000068654	ENSG00000132300	ENSG00000132305
##	1628	2151	9726	3857	8244
##	ENSG00000132313	ENSG00000068615	ENSG00000115548	ENSG00000115561	ENSG00000249884
##	3207	5	3483	5642	10
##	ENSG00000239305	ENSG00000153561	ENSG00000153563	ENSG00000172116	ENSG00000187627
##	1433	4264	0	0	7
##	ENSG00000183281	ENSG00000125551	ENSG00000185304	ENSG00000172086	ENSG00000115593
##	0	9	17	2392	0
##	ENSG00000163586	ENSG00000144115	ENSG00000214336	ENSG00000172073	ENSG00000172071
##	0	3	1	0	1493
##	ENSG00000153574	ENSG00000259916	ENSG00000163060	ENSG00000172005	ENSG00000144029
##	1217	0	0	2	3551
##	ENSG00000144026	ENSG00000275111	ENSG00000233757	ENSG00000155066	ENSG00000115041
##	677	455	133	13	311
##	ENSG00000115042	ENSG00000144015	ENSG00000174501	ENSG00000186281	ENSG00000274286
##	1401	0	238	12	0
##	ENSG00000188886	ENSG00000158050	ENSG00000084090	ENSG00000135956	ENSG00000144021
##	1	163	14282	14991	6575
##	ENSG00000144028	ENSG00000198885	ENSG00000121152	ENSG00000163121	ENSG00000196843
##	25015	43	895	0	817
##	ENSG00000114982	ENSG00000249715	ENSG00000114988	ENSG00000158158	ENSG00000168763
##	5033	38	2831	888	1382
##	ENSG00000163126	ENSG00000213337	ENSG00000168758	ENSG00000168754	ENSG00000144199
##	18	358	4830	0	77
##	ENSG00000135976	ENSG00000196912	ENSG00000135940	ENSG00000115073	ENSG00000115085
##	288	134	4654	4444	4
##	ENSG00000075568	ENSG00000168658	ENSG00000144191	ENSG00000040933	ENSG00000183513
##	11564	0	8	3259	929

##	ENSG00000115446	ENSG00000071073	ENSG00000196872	ENSG00000135951	ENSG00000273045
##	2373	22	0	76	5
##	ENSG00000241962	ENSG00000144182	ENSG00000273155	ENSG00000158411	ENSG00000185414
##	14	152	0	938	2551
##	ENSG00000185674	ENSG00000144214	ENSG00000115514	ENSG00000158417	ENSG00000135945
##	5	36	4014	19604	1952
##	ENSG00000144218	ENSG00000170500	ENSG00000115526	ENSG00000204640	ENSG00000115539
##	5449	140	874	0	1845
##	ENSG00000170485	ENSG00000071082	ENSG00000204634	ENSG00000158435	ENSG00000163162
##	1793	31608	664	4694	3263
##	ENSG00000175874	ENSG00000196460	ENSG00000071054	ENSG00000115590	ENSG00000115594
##	41	400	78527	7	14618
##	ENSG00000115598	ENSG00000115602	ENSG00000115604	ENSG00000115607	ENSG00000180251
##	38	42	400	4	2
##	ENSG00000115616	ENSG00000135953	ENSG00000170417	ENSG00000198914	ENSG00000135972
##	6	909	109	0	1282
##	ENSG00000135973	ENSG00000135966	ENSG00000135974	ENSG00000115641	ENSG00000071051
##	0	3073	1766	16119	3448
##	ENSG00000119147	ENSG00000115652	ENSG00000153165	ENSG00000144057	ENSG00000196862
##	0	6269	16	17	2
##	ENSG00000115665	ENSG00000196228	ENSG00000198203	ENSG00000198075	ENSG00000135968
##	0	0	3	39	6460
##	ENSG00000169756	ENSG00000153201	ENSG00000163006	ENSG00000135960	ENSG00000172985
##	16728	19577	262	0	5592
##	ENSG00000279515	ENSG00000186522	ENSG00000198142	ENSG00000015568	ENSG00000256977
##	1	6756	1335	13	4
##	ENSG00000144063	ENSG00000144061	ENSG00000175701	ENSG00000257207	ENSG00000256671
##	29	175	454	0	1
##	ENSG00000183054	ENSG00000169679	ENSG00000153093	ENSG00000153094	ENSG00000153107
##	2	1968	2	286	3367
##	ENSG00000153208	ENSG00000153214	ENSG00000144152	ENSG00000144161	ENSG00000188177
##	103	6812	52	273	536
##	ENSG00000169629	ENSG00000114999	ENSG00000125630	ENSG00000125611	ENSG00000144136
##	78	7762	2130	727	39263
##	ENSG00000144130	ENSG00000169607	ENSG00000115008	ENSG00000125538	ENSG00000125571
##	1	1299	176	1854	0
##	ENSG00000136688	ENSG00000136694	ENSG00000136696	ENSG00000136695	ENSG00000136697
##	1	0	0	0	0
##	ENSG00000136689	ENSG00000125637	ENSG00000125618	ENSG00000136682	ENSG00000184492
##	0	107	168	1042	4
##	ENSG00000144134	ENSG00000115084	ENSG00000115091	ENSG00000175497	ENSG00000088205
##	377	11875	49188	0	7185
##	ENSG00000125633	ENSG00000125629	ENSG00000163064	ENSG00000019169	ENSG00000144119
##	3852	1549	1	0	1
##	ENSG00000115107	ENSG00000186132	ENSG00000155368	ENSG00000171227	ENSG00000080293
##	5454	327	6223	9	0
##	ENSG00000163075	ENSG00000144120	ENSG00000088179	ENSG00000115109	ENSG00000226479
##	1	409	1126	6859	3085
##	ENSG00000144118	ENSG00000281676	ENSG00000163083	ENSG00000074047	ENSG00000115112
##	7979	1	18	4044	0
##	ENSG00000074054	ENSG00000155438	ENSG00000211460	ENSG00000155052	ENSG00000136732
##	10301	2876	6568	0	3887
##	ENSG00000136717	ENSG00000186684	ENSG00000163161	ENSG00000169967	ENSG00000115718
##	2994	9	4804	6104	14

##	ENSG00000163166	ENSG00000169994	ENSG00000072163	ENSG00000144230	ENSG00000136709
##	6375	31	1695	7	4656
##	ENSG00000173349	ENSG00000144231	ENSG00000144233	ENSG00000136715	ENSG00000136731
##	0	3391	4212	3057	18556
##	ENSG00000136720	ENSG00000222014	ENSG00000196604	ENSG00000152076	ENSG00000136699
##	8843	14	36	86	5675
##	ENSG00000152082	ENSG00000152086	ENSG00000136710	ENSG00000136718	ENSG00000072135
##	2284	5	1687	5096	1826
##	ENSG00000196834	ENSG00000152093	ENSG00000184761	ENSG00000183292	ENSG00000136698
##	18	0	0	0	0
##	ENSG00000222038	ENSG00000173302	ENSG00000178171	ENSG00000136002	ENSG00000152102
##	11	0	0	193	21618
##	ENSG00000115762	ENSG00000188219	ENSG00000173272	ENSG00000075886	ENSG00000163040
##	19795	59	1771	15	263
##	ENSG00000163046	ENSG00000183840	ENSG00000150551	ENSG00000176771	ENSG00000152127
##	0	157	4289	3762	33665
##	ENSG00000152128	ENSG00000153086	ENSG00000082258	ENSG00000176601	ENSG00000115839
##	3	6	3679	2	8275
##	ENSG00000121988	ENSG00000048991	ENSG00000144224	ENSG00000115850	ENSG00000076003
##	339	4076	14883	4	2226
##	ENSG00000115866	ENSG00000121966	ENSG00000144229	ENSG00000150540	ENSG00000144228
##	4314	2	0	413	2457
##	ENSG00000144227	ENSG00000168702	ENSG00000115919	ENSG00000075884	ENSG00000121964
##	0	220	2084	3	1141
##	ENSG00000169554	ENSG00000121989	ENSG00000115947	ENSG00000204406	ENSG00000135999
##	6741	677	1827	2471	2339
##	ENSG00000168280	ENSG00000150556	ENSG00000187123	ENSG00000168288	ENSG00000115963
##	51	6	58	12245	83403
##	ENSG00000184898	ENSG00000123609	ENSG00000123610	ENSG00000080345	ENSG00000183091
##	902	493	1776	8249	37
##	ENSG00000162980	ENSG00000182389	ENSG00000115145	ENSG00000157827	ENSG00000196504
##	5853	39	4215	4774	12551
##	ENSG00000177917	ENSG00000177519	ENSG00000144278	ENSG00000162989	ENSG00000153234
##	1225	4	4	0	4105
##	ENSG00000115159	ENSG00000136542	ENSG00000136541	ENSG00000115165	ENSG00000123612
##	4455	28763	13	0	40
##	ENSG00000115170	ENSG00000007001	ENSG00000153237	ENSG00000144283	ENSG00000281472
##	8040	2	14	2933	0
##	ENSG00000163331	ENSG00000115183	ENSG00000196151	ENSG00000123636	ENSG00000136536
##	0	4711	409	3130	10116
##	ENSG00000241399	ENSG00000248672	ENSG00000054219	ENSG00000153246	ENSG00000115221
##	217	0	1	261	19
##	ENSG00000153250	ENSG00000136560	ENSG00000115233	ENSG00000136535	ENSG00000144290
##	9467	3278	8253	3	0
##	ENSG00000197635	ENSG00000115263	ENSG00000078098	ENSG00000115267	ENSG00000115271
##	8553	0	8931	177	85
##	ENSG00000184611	ENSG00000182263	ENSG00000115290	ENSG00000082438	ENSG00000169507
##	0	400	1	254	25
##	ENSG00000153253	ENSG00000136531	ENSG00000178662	ENSG00000115339	ENSG00000123607
##	94	657	29	347	1514
##	ENSG00000144285	ENSG00000169432	ENSG00000136546	ENSG00000163092	ENSG00000172318
##	0	13397	91	123	623
##	ENSG00000198648	ENSG00000172292	ENSG00000163072	ENSG00000152253	ENSG00000152254
##	7037	1181	30	335	0

##	ENSG00000073734	ENSG00000073737	ENSG00000081479	ENSG000000163093	ENSG000000251569
##	0	0	0	573	0
##	ENSG000000239474	ENSG000000138399	ENSG000000138398	ENSG000000154479	ENSG000000144362
##	11	1214	5229	6	36
##	ENSG000000213160	ENSG000000138385	ENSG000000138382	ENSG000000144357	ENSG000000071909
##	297	9654	1394	7608	6
##	ENSG000000204335	ENSG000000204334	ENSG000000128683	ENSG000000115806	ENSG000000198586
##	0	1	9	13802	4575
##	ENSG000000123600	ENSG000000115827	ENSG000000071967	ENSG000000077380	ENSG000000115840
##	1267	1457	14371	15351	1705
##	ENSG000000128708	ENSG000000172878	ENSG000000144355	ENSG000000115844	ENSG000000091409
##	3173	367	144	122	15547
##	ENSG000000152256	ENSG000000091428	ENSG000000091436	ENSG000000144354	ENSG000000172845
##	3813	1132	17614	470	5996
##	ENSG000000138430	ENSG000000217236	ENSG000000138433	ENSG000000144306	ENSG000000163328
##	5417	0	3049	1172	997
##	ENSG000000115935	ENSG000000138435	ENSG000000128656	ENSG000000115966	ENSG000000154518
##	2410	283	10520	5073	12900
##	ENSG000000144320	ENSG000000174279	ENSG000000128714	ENSG000000170178	ENSG000000128713
##	4369	0	0	0	0
##	ENSG000000128710	ENSG000000128709	ENSG000000175879	ENSG000000128652	ENSG000000278500
##	2	0	1	0	0
##	ENSG000000170166	ENSG000000128645	ENSG000000128654	ENSG000000170144	ENSG000000116044
##	0	0	2160	28324	11681
##	ENSG000000018510	ENSG000000196659	ENSG000000197557	ENSG000000128655	ENSG000000155636
##	6076	352	568	75	1032
##	ENSG000000079156	ENSG000000180228	ENSG000000204311	ENSG000000079150	ENSG000000116095
##	1684	3416	53	6018	2923
##	ENSG000000155657	ENSG000000163492	ENSG000000187231	ENSG000000144331	ENSG000000163510
##	466	0	2858	2	2230
##	ENSG000000170035	ENSG000000115232	ENSG000000188452	ENSG000000162992	ENSG000000138434
##	12287	3619	692	0	35100
##	ENSG000000150722	ENSG000000115252	ENSG000000077232	ENSG000000162998	ENSG000000061676
##	25	55	17298	490	30217
##	ENSG000000162999	ENSG000000163002	ENSG000000170396	ENSG000000188738	ENSG000000065548
##	115	741	1535	8	7359
##	ENSG000000281192	ENSG000000138448	ENSG000000144369	ENSG000000163012	ENSG000000064989
##	1	40504	2676	2	60
##	ENSG000000003436	ENSG000000144366	ENSG000000174325	ENSG000000168542	ENSG000000204262
##	24195	3932	7	392435	143688
##	ENSG000000115368	ENSG000000138449	ENSG000000138381	ENSG000000151687	ENSG000000128694
##	3105	342	3678	79	433
##	ENSG000000128699	ENSG000000064933	ENSG000000187699	ENSG000000138379	ENSG000000198130
##	2875	1172	30	4	1577
##	ENSG000000151689	ENSG000000151690	ENSG000000189362	ENSG000000138386	ENSG000000115419
##	2386	1494	236	2736	17696
##	ENSG000000115415	ENSG000000138378	ENSG000000128641	ENSG000000173559	ENSG000000168497
##	27682	32	18703	13656	885
##	ENSG000000144339	ENSG000000196950	ENSG000000118997	ENSG000000081320	ENSG000000138411
##	402	4122	40	5718	613
##	ENSG000000144395	ENSG000000119041	ENSG000000187944	ENSG000000197121	ENSG000000065413
##	107	2784	21	1243	1460
##	ENSG000000115524	ENSG000000115520	ENSG000000144381	ENSG000000115541	ENSG000000270757
##	29017	6859	30143	2564	0

##	ENSG00000115540	ENSG00000162944	ENSG00000247626	ENSG00000152430	ENSG00000115896
##	1946	934	1052	1	74
##	ENSG00000119042	ENSG00000226124	ENSG00000178074	ENSG00000162971	ENSG00000162972
##	1423	8	2761	687	1105
##	ENSG00000196141	ENSG00000155729	ENSG00000163535	ENSG00000138356	ENSG00000280298
##	25660	1272	1634	1924	0
##	ENSG00000082153	ENSG00000013441	ENSG00000240344	ENSG00000196290	ENSG00000115942
##	28538	2368	871	1266	1617
##	ENSG00000155744	ENSG00000119013	ENSG00000003402	ENSG00000003400	ENSG00000064012
##	1782	2558	5923	9	1014
##	ENSG00000155749	ENSG00000115993	ENSG00000082146	ENSG00000155754	ENSG00000155755
##	47	13979	2408	29	2983
##	ENSG00000082126	ENSG00000003393	ENSG00000138395	ENSG00000155760	ENSG00000182329
##	584	4892	954	17597	25
##	ENSG00000116030	ENSG00000055044	ENSG00000204217	ENSG00000138439	ENSG00000163596
##	10361	5194	14205	2207	367
##	ENSG00000138442	ENSG00000138380	ENSG00000144426	ENSG00000119004	ENSG00000138443
##	3365	367	4132	2652	6149
##	ENSG00000173166	ENSG00000178562	ENSG00000163599	ENSG00000163600	ENSG00000116117
##	806	0	0	0	1869
##	ENSG00000118257	ENSG00000114933	ENSG00000023228	ENSG00000114942	ENSG00000183671
##	8811	1345	12347	29389	83
##	ENSG00000204186	ENSG00000279921	ENSG00000114948	ENSG00000232125	ENSG00000138400
##	1370	0	3322	0	26
##	ENSG00000118246	ENSG00000144410	ENSG00000118263	ENSG00000118260	ENSG00000144401
##	2855	1	6064	3498	544
##	ENSG00000163249	ENSG00000163251	ENSG00000178385	ENSG00000118231	ENSG00000163254
##	2289	66	552	0	0
##	ENSG00000182187	ENSG00000168582	ENSG00000188674	ENSG00000138413	ENSG00000115020
##	0	0	0	7669	6303
##	ENSG00000144407	ENSG00000078018	ENSG00000144406	ENSG00000197713	ENSG00000144445
##	0	133	2	4254	825
##	ENSG00000115361	ENSG00000279317	ENSG00000168530	ENSG00000115365	ENSG00000021826
##	0	0	0	3125	845
##	ENSG00000178568	ENSG00000030419	ENSG00000144451	ENSG00000174453	ENSG00000138376
##	9	633	731	0	442
##	ENSG00000144452	ENSG00000138363	ENSG00000115414	ENSG00000118242	ENSG00000115425
##	38	7697	2394853	281	232
##	ENSG00000163449	ENSG00000079246	ENSG00000144583	ENSG00000138375	ENSG00000197756
##	89	35835	4936	2838	36125
##	ENSG00000115457	ENSG00000115461	ENSG00000118245	ENSG00000278951	ENSG00000231672
##	10703	1250461	0	0	299
##	ENSG00000079308	ENSG00000188282	ENSG00000180871	ENSG00000163464	ENSG00000163466
##	22340	0	0	0	38688
##	ENSG00000179921	ENSG00000127837	ENSG00000127838	ENSG00000135926	ENSG00000158428
##	14	9130	2518	7364	0
##	ENSG00000018280	ENSG00000144579	ENSG00000127831	ENSG00000135913	ENSG00000144580
##	8	3724	1	803	4330
##	ENSG00000115556	ENSG00000115568	ENSG00000074582	ENSG00000163481	ENSG00000163482
##	304	2165	1349	2593	2273
##	ENSG00000135912	ENSG00000135929	ENSG00000115592	ENSG00000115596	ENSG00000135925
##	1958	672	0	0	1
##	ENSG00000171450	ENSG00000163497	ENSG00000163499	ENSG00000181378	ENSG00000163501
##	10	0	0	0	0

##	ENSG00000187736	ENSG00000280537	ENSG00000213901	ENSG00000115649	ENSG00000144567
##	14	11	6	3239	8606
##	ENSG00000158552	ENSG00000115657	ENSG00000198925	ENSG00000163516	ENSG00000163521
##	1319	126	11407	1507	512
##	ENSG00000115661	ENSG00000127824	ENSG00000243910	ENSG00000135924	ENSG00000054356
##	1593	1009	2	5919	5110
##	ENSG00000182698	ENSG00000123992	ENSG00000175084	ENSG00000072195	ENSG00000144591
##	0	4087	31	3760	4865
##	ENSG00000072182	ENSG00000123989	ENSG00000188760	ENSG00000124006	ENSG00000123999
##	2	14915	197	4587	20
##	ENSG00000144589	ENSG00000114923	ENSG00000116106	ENSG00000135903	ENSG00000163081
##	1587	559	5663	1	0
##	ENSG00000163082	ENSG00000116120	ENSG00000124003	ENSG00000123983	ENSG00000152049
##	34	4607	0	11747	2109
##	ENSG00000171951	ENSG00000152056	ENSG00000085449	ENSG00000135900	ENSG00000135919
##	5037	289	10653	2281	62764
##	ENSG00000124019	ENSG00000036257	ENSG00000135905	ENSG00000144460	ENSG00000169047
##	2	7878	9088	1	22129
##	ENSG00000144468	ENSG00000081052	ENSG00000169031	ENSG00000168958	ENSG00000168955
##	2567	7	7	5110	4
##	ENSG00000173744	ENSG00000042304	ENSG00000135917	ENSG00000115009	ENSG00000123977
##	8379	0	0	5	46
##	ENSG00000153820	ENSG00000153823	ENSG00000187957	ENSG00000153827	ENSG00000153832
##	4	388	234	33245	210
##	ENSG00000163053	ENSG00000135899	ENSG00000280755	ENSG00000079263	ENSG00000185404
##	494	325	0	169	1604
##	ENSG00000067066	ENSG00000135932	ENSG00000135916	ENSG00000135898	ENSG00000173699
##	6630	9242	25467	11	0
##	ENSG00000204128	ENSG00000173692	ENSG00000135914	ENSG00000135931	ENSG00000156966
##	3	18766	77	6756	7
##	ENSG00000115053	ENSG00000171596	ENSG00000177673	ENSG00000187514	ENSG00000156973
##	55300	0	0	47477	1359
##	ENSG00000144524	ENSG00000163273	ENSG00000144535	ENSG00000163283	ENSG00000163286
##	3016	259	1796	0	0
##	ENSG00000163295	ENSG00000171551	ENSG00000237412	ENSG00000135902	ENSG00000196811
##	0	5	0	0	3
##	ENSG00000221944	ENSG00000135930	ENSG00000115468	ENSG00000204120	ENSG00000115474
##	260	6154	47	7979	2
##	ENSG00000182600	ENSG00000066248	ENSG00000115488	ENSG00000168918	ENSG00000085978
##	43	75	0	138	2828
##	ENSG00000130561	ENSG00000077044	ENSG00000085982	ENSG00000242366	ENSG00000242515
##	0	2328	3909	0	0
##	ENSG00000241119	ENSG00000244122	ENSG00000167165	ENSG00000240224	ENSG00000244474
##	0	0	0	0	0
##	ENSG00000243135	ENSG00000241635	ENSG00000185038	ENSG00000123485	ENSG00000144481
##	0	0	1	1526	3
##	ENSG00000072080	ENSG00000188042	ENSG00000130147	ENSG00000157985	ENSG00000168505
##	0	6543	29211	5864	2
##	ENSG00000182177	ENSG00000132321	ENSG00000144476	ENSG00000198612	ENSG00000163359
##	0	0	3	5535	871187
##	ENSG00000115648	ENSG00000071677	ENSG00000124839	ENSG00000124831	ENSG00000177483
##	2969	0	8	11315	25
##	ENSG00000132329	ENSG00000184182	ENSG00000258984	ENSG00000132330	ENSG00000144488
##	943	1329	3	146	332

##	ENSG00000168427	ENSG00000178752	ENSG00000132323	ENSG00000144485	ENSG00000132326
##	5	268	1685	223	553
##	ENSG00000204104	ENSG00000065802	ENSG00000233608	ENSG00000068024	ENSG00000280260
##	2516	9035	1838	986	0
##	ENSG00000130414	ENSG00000182083	ENSG00000221961	ENSG00000178586	ENSG00000172428
##	6493	0	0	0	2616
##	ENSG00000178602	ENSG00000063660	ENSG00000144504	ENSG00000188542	ENSG00000142327
##	1	60548	339	202	5527
##	ENSG00000142330	ENSG00000178623	ENSG00000185176	ENSG00000184945	ENSG00000130294
##	2060	27	0	0	34
##	ENSG00000172482	ENSG00000172478	ENSG00000226321	ENSG00000162804	ENSG00000122085
##	0	1	2	2103	1954
##	ENSG00000115687	ENSG00000115685	ENSG00000146205	ENSG00000115677	ENSG00000168385
##	553	6149	324	138327	60490
##	ENSG00000006607	ENSG00000115694	ENSG00000176720	ENSG00000176946	ENSG00000168397
##	4343	9148	4094	3547	5063
##	ENSG00000168393	ENSG00000168395	ENSG00000180902	ENSG00000154252	ENSG00000204099
##	2380	1103	1111	5	2
##	ENSG00000188389	ENSG00000188011	ENSG00000134121	ENSG00000134115	ENSG00000144619
##	0	0	1010	0	98
##	ENSG00000091181	ENSG00000072756	ENSG00000281584	ENSG00000113851	ENSG00000144455
##	0	1858	7	1668	3359
##	ENSG00000175928	ENSG00000170364	ENSG00000150995	ENSG00000134107	ENSG00000134108
##	135	614	774	3127	10566
##	ENSG00000134109	ENSG00000196277	ENSG00000071282	ENSG00000125046	ENSG00000182533
##	12149	0	988	2	2
##	ENSG00000180914	ENSG00000070950	ENSG00000196220	ENSG00000134077	ENSG00000168137
##	3635	1254	83	2380	10305
##	ENSG00000156959	ENSG00000163719	ENSG00000144550	ENSG00000156983	ENSG00000114026
##	4	2877	1	2563	1143
##	ENSG00000134072	ENSG00000171148	ENSG00000241553	ENSG00000250151	ENSG00000214021
##	456	8566	8523	0	538
##	ENSG00000156990	ENSG00000187288	ENSG00000171135	ENSG00000163701	ENSG00000163702
##	1846	0	2328	149	2200
##	ENSG00000163703	ENSG00000163704	ENSG00000125037	ENSG00000144554	ENSG00000163705
##	2101	797	5738	884	0
##	ENSG00000254999	ENSG00000134086	ENSG00000134070	ENSG00000157014	ENSG00000272410
##	15108	5218	1681	2284	0
##	ENSG00000157017	ENSG00000157020	ENSG00000157087	ENSG00000132164	ENSG00000157103
##	10	18893	4	0	0
##	ENSG00000196639	ENSG00000197548	ENSG00000144560	ENSG00000144559	ENSG00000157152
##	1490	2608	2066	690	23
##	ENSG00000157150	ENSG00000132170	ENSG00000154743	ENSG00000225526	ENSG00000075975
##	33	1921	460	3	3505
##	ENSG00000132155	ENSG00000088726	ENSG00000144712	ENSG00000144713	ENSG00000144711
##	10924	2	551	37485	3588
##	ENSG00000132182	ENSG00000163517	ENSG00000163520	ENSG00000154764	ENSG00000180438
##	66	1014	4407	0	0
##	ENSG00000163528	ENSG00000170876	ENSG00000268279	ENSG00000154767	ENSG00000170860
##	682	9753	30	3096	1849
##	ENSG00000131389	ENSG00000144596	ENSG00000154781	ENSG00000131379	ENSG00000154783
##	6629	17	1308	6	0
##	ENSG00000177463	ENSG00000131368	ENSG00000131381	ENSG00000131375	ENSG00000131370
##	4883	2278	3777	3458	682

##	ENSG00000206562	ENSG00000144597	ENSG00000206561	ENSG00000131373	ENSG00000169814
##	1148	2680	24	1212	1262
##	ENSG00000206560	ENSG00000131386	ENSG00000154813	ENSG00000154814	ENSG00000131378
##	8678	1335	6591	485	10501
##	ENSG00000092345	ENSG00000154822	ENSG00000131374	ENSG00000182568	ENSG00000183960
##	0	310	5229	1840	1
##	ENSG00000163576	ENSG00000144566	ENSG00000183977	ENSG00000114166	ENSG00000129810
##	18	7837	20	818	227
##	ENSG00000151789	ENSG00000182247	ENSG00000170142	ENSG00000197885	ENSG00000174748
##	251	1706	7631	1102	57906
##	ENSG00000174738	ENSG00000151090	ENSG00000077092	ENSG00000077097	ENSG00000151092
##	6859	4	24	16131	1862
##	ENSG00000151093	ENSG00000179796	ENSG00000163491	ENSG00000033867	ENSG00000163508
##	398	0	905	19928	2
##	ENSG00000187118	ENSG00000163512	ENSG00000206559	ENSG00000144642	ENSG00000163513
##	815	2511	51	2709	40849
##	ENSG00000144644	ENSG00000163527	ENSG00000144645	ENSG00000197385	ENSG00000152642
##	0	19307	1365	23	941
##	ENSG00000170293	ENSG00000153551	ENSG00000091317	ENSG00000144635	ENSG00000182973
##	14	2298	18064	6877	1254
##	ENSG00000206557	ENSG00000183813	ENSG00000170266	ENSG00000188167	ENSG00000170275
##	1	1	9827	317	19332
##	ENSG00000173705	ENSG00000153558	ENSG00000153560	ENSG00000163539	ENSG00000170248
##	1258	937	12208	3436	18069
##	ENSG00000172995	ENSG00000144681	ENSG00000163673	ENSG00000168016	ENSG00000178567
##	2	26	0	1449	4603
##	ENSG00000076242	ENSG00000093167	ENSG00000144674	ENSG00000144668	ENSG00000144677
##	2643	4874	28390	62	4202
##	ENSG00000136059	ENSG00000187091	ENSG00000008226	ENSG00000060971	ENSG00000172936
##	225	1432	8	2611	5398
##	ENSG00000172939	ENSG00000172940	ENSG00000144671	ENSG00000093217	ENSG00000114739
##	7865	2	5	362	1859
##	ENSG00000157036	ENSG00000183873	ENSG00000185313	ENSG00000168356	ENSG00000114742
##	1416	838	2	0	3632
##	ENSG00000114745	ENSG00000168026	ENSG00000144655	ENSG00000168334	ENSG00000168329
##	4423	127	3188	22	1
##	ENSG00000179934	ENSG00000144659	ENSG00000168028	ENSG00000168314	ENSG00000170011
##	0	3178	62381	0	0
##	ENSG00000114784	ENSG00000168032	ENSG00000188846	ENSG00000177873	ENSG00000177842
##	3169	4	40444	254	36
##	ENSG00000172888	ENSG00000168036	ENSG00000168038	ENSG00000182606	ENSG00000187094
##	3263	25162	250	7425	40
##	ENSG00000157093	ENSG00000114812	ENSG00000093183	ENSG00000008324	ENSG00000114857
##	0	0	3697	682	5147
##	ENSG00000114853	ENSG00000157119	ENSG00000244607	ENSG00000010282	ENSG00000280571
##	3526	1	18	0	0
##	ENSG00000181061	ENSG00000144648	ENSG00000273291	ENSG00000240747	ENSG00000180432
##	3982	5	3	21	1
##	ENSG00000182983	ENSG00000144649	ENSG00000144647	ENSG00000163788	ENSG00000160746
##	46	5	1075	2283	8093
##	ENSG00000011198	ENSG00000173769	ENSG00000179152	ENSG00000185219	ENSG00000178917
##	2793	0	1637	2600	139
##	ENSG00000196345	ENSG00000144792	ENSG00000186448	ENSG00000169981	ENSG00000196653
##	397	272	1662	831	337

##	ENSG00000186446	ENSG00000163807	ENSG00000163808	ENSG00000169964	ENSG00000163810
##	208	2342	644	564	1
##	ENSG00000163812	ENSG00000075914	ENSG00000163815	ENSG00000163814	ENSG00000249992
##	5842	1689	88	4091	24109
##	ENSG00000011376	ENSG00000144791	ENSG00000211456	ENSG00000163817	ENSG00000163818
##	4176	7555	5530	0	1447
##	ENSG00000173585	ENSG00000163820	ENSG00000172215	ENSG00000173578	ENSG00000183625
##	0	10186	24	1	0
##	ENSG00000163823	ENSG00000121807	ENSG00000160791	ENSG00000121797	ENSG00000012223
##	10	0	0	11	1
##	ENSG00000163825	ENSG00000163827	ENSG00000241186	ENSG00000178038	ENSG00000181585
##	1	818	1	280	14
##	ENSG00000206549	ENSG00000261603	ENSG00000188086	ENSG00000178055	ENSG00000160808
##	0	0	0	0	0
##	ENSG00000160801	ENSG00000160799	ENSG00000160796	ENSG00000181555	ENSG00000088727
##	7	1384	778	6639	231
##	ENSG00000114648	ENSG00000076201	ENSG00000114650	ENSG00000163832	ENSG00000114646
##	3740	6994	9212	1651	17
##	ENSG00000173473	ENSG00000132153	ENSG00000047849	ENSG00000164045	ENSG00000164047
##	19693	8747	70304	768	0
##	ENSG00000164048	ENSG00000172113	ENSG00000229453	ENSG00000164049	ENSG00000164050
##	612	1037	0	7	8025
##	ENSG00000164051	ENSG00000232112	ENSG00000164053	ENSG00000213689	ENSG00000164054
##	898	2891	742	508	16331
##	ENSG00000114268	ENSG00000145040	ENSG00000114270	ENSG00000010256	ENSG00000183396
##	815	95	6310	15001	0
##	ENSG00000225697	ENSG00000008300	ENSG00000213672	ENSG00000068745	ENSG00000114302
##	2267	544	2064	6815	14578
##	ENSG00000178537	ENSG00000221883	ENSG00000177479	ENSG00000178467	ENSG00000178252
##	1900	56	7025	1869	12132
##	ENSG00000178149	ENSG00000178057	ENSG00000178035	ENSG00000198218	ENSG00000172053
##	1239	3104	8817	7055	15179
##	ENSG00000172046	ENSG00000172037	ENSG00000177352	ENSG00000185909	ENSG00000236980
##	5200	37353	1556	2674	0
##	ENSG00000173421	ENSG00000188315	ENSG00000114316	ENSG00000233276	ENSG00000067560
##	11	558	4904	16228	59936
##	ENSG00000145022	ENSG00000145020	ENSG00000145029	ENSG00000173402	ENSG00000164061
##	3310	92	940	11832	55
##	ENSG00000164062	ENSG00000173531	ENSG00000164068	ENSG00000176020	ENSG00000173540
##	7577	172	4426	0	2672
##	ENSG00000176095	ENSG00000187492	ENSG00000185614	ENSG00000182179	ENSG00000183763
##	6891	1	129	1201	268
##	ENSG00000164076	ENSG00000164078	ENSG00000164077	ENSG00000004534	ENSG00000003756
##	0	2	1304	5266	5341
##	ENSG00000001617	ENSG00000114349	ENSG00000188338	ENSG00000114353	ENSG00000012171
##	8186	0	11	53910	599
##	ENSG00000179564	ENSG00000214706	ENSG00000186792	ENSG00000243477	ENSG00000114378
##	1	4115	567	352	22
##	ENSG00000068001	ENSG00000114383	ENSG00000068028	ENSG00000004838	ENSG00000114388
##	4717	2155	2650	19	843
##	ENSG00000114395	ENSG00000272104	ENSG00000126062	ENSG00000007402	ENSG00000088543
##	1013	1	6847	40	688
##	ENSG00000114735	ENSG00000114737	ENSG00000114738	ENSG00000088538	ENSG00000145050
##	1359	254	2981	49	10107

##	ENSG00000259956	ENSG00000145041	ENSG00000164080	ENSG00000164081	ENSG00000164082
##	8290	3316	3684	3171	7
##	ENSG00000214686	ENSG00000229972	ENSG00000184345	ENSG00000214681	ENSG00000173389
##	0	0	0	0	0
##	ENSG00000114767	ENSG00000041880	ENSG00000180929	ENSG00000090097	ENSG00000114779
##	2386	934	2	5853	986
##	ENSG00000248487	ENSG00000114786	ENSG00000243989	ENSG00000162244	ENSG00000164086
##	375	3	23	28941	2329
##	ENSG00000164087	ENSG00000023330	ENSG00000239732	ENSG00000173366	ENSG00000247596
##	713	5077	1	0	4657
##	ENSG00000164088	ENSG00000164091	ENSG00000168237	ENSG00000114841	ENSG00000163930
##	1082	12591	290	472	4799
##	ENSG00000010318	ENSG00000010319	ENSG00000114854	ENSG00000010322	ENSG00000010327
##	151	1	10	11624	0
##	ENSG00000168268	ENSG00000168273	ENSG00000163939	ENSG00000163938	ENSG00000016864
##	17188	620	11466	7212	5671
##	ENSG00000114902	ENSG00000114904	ENSG00000055957	ENSG00000162267	ENSG00000055955
##	6157	1414	0	35	1
##	ENSG00000243696	ENSG00000272573	ENSG00000248592	ENSG00000213533	ENSG00000163935
##	8	0	4	204	168
##	ENSG00000272305	ENSG00000163933	ENSG00000163932	ENSG00000163931	ENSG00000272886
##	11	1485	1494	30497	3715
##	ENSG00000157388	ENSG00000016391	ENSG00000056736	ENSG00000113812	ENSG00000113811
##	2	24	197	2659	2308
##	ENSG00000157445	ENSG00000144771	ENSG00000114251	ENSG00000187672	ENSG00000180376
##	207	0	85353	18	598
##	ENSG00000163946	ENSG00000163947	ENSG00000186451	ENSG00000144730	ENSG00000163666
##	5055	1064	1	667	13
##	ENSG00000157500	ENSG00000239388	ENSG00000174844	ENSG00000174840	ENSG00000168374
##	3265	19	4	3474	55113
##	ENSG00000174839	ENSG00000163681	ENSG00000136068	ENSG00000163687	ENSG00000163686
##	1763	6716	22430	0	792
##	ENSG00000163684	ENSG00000255154	ENSG00000168297	ENSG00000168291	ENSG00000168301
##	1461	3	2868	5061	432
##	ENSG00000168306	ENSG00000168309	ENSG00000198643	ENSG00000163689	ENSG00000189283
##	316	2	0	162	5
##	ENSG00000144724	ENSG00000114405	ENSG00000153266	ENSG00000163618	ENSG00000163630
##	10343	401	0	6	0
##	ENSG00000188817	ENSG00000163632	ENSG00000163634	ENSG00000163635	ENSG00000163636
##	0	12	3364	2053	7637
##	ENSG00000163637	ENSG00000163638	ENSG00000151276	ENSG00000144741	ENSG00000144749
##	2177	679	4055	940	7257
##	ENSG00000163376	ENSG00000172340	ENSG00000183662	ENSG00000163377	ENSG00000163378
##	824	4905	0	2	2352
##	ENSG00000144747	ENSG00000144744	ENSG00000144746	ENSG00000163380	ENSG00000114541
##	7544	4470	11032	2	33
##	ENSG00000187098	ENSG00000114861	ENSG00000163412	ENSG00000170837	ENSG00000163421
##	1528	8913	370	4	0
##	ENSG00000163602	ENSG00000144736	ENSG00000172986	ENSG00000163605	ENSG00000255423
##	4276	1631	812	6730	65
##	ENSG00000121440	ENSG00000113805	ENSG00000172969	ENSG00000227124	ENSG00000185008
##	1388	1465	2	404	2347
##	ENSG00000169855	ENSG00000114480	ENSG00000175161	ENSG00000206538	ENSG00000083937
##	14813	8139	5	7498	2811

##	ENSG00000064835	ENSG00000179097	ENSG00000163320	ENSG00000175105	ENSG00000179021
##	1	0	9565	2067	1585
##	ENSG00000044524	ENSG00000184500	ENSG00000169379	ENSG00000178750	ENSG00000178700
##	23	2081	1249	0	828
##	ENSG00000178694	ENSG00000269028	ENSG00000080224	ENSG00000113966	ENSG00000080200
##	804	402	0	621	2935
##	ENSG00000170854	ENSG00000183185	ENSG00000196578	ENSG00000231192	ENSG00000236032
##	1826	0	0	0	0
##	ENSG00000233412	ENSG00000230301	ENSG00000197938	ENSG00000196098	ENSG00000206536
##	0	0	0	0	0
##	ENSG00000232382	ENSG00000231861	ENSG00000080822	ENSG00000080819	ENSG00000154165
##	0	0	4332	3170	0
##	ENSG00000064225	ENSG00000057019	ENSG00000144810	ENSG00000184220	ENSG00000168386
##	229	112311	31387	1089	12921
##	ENSG00000235156	ENSG00000036054	ENSG00000114021	ENSG00000154174	ENSG00000206535
##	1	7122	1883	8306	125
##	ENSG00000181458	ENSG00000144820	ENSG00000114354	ENSG00000154175	ENSG00000081148
##	2277	0	13145	315	70
##	ENSG00000138468	ENSG00000174173	ENSG00000081154	ENSG00000066422	ENSG00000114391
##	1018	2436	12117	2808	26189
##	ENSG00000182504	ENSG00000144815	ENSG00000144802	ENSG00000170044	ENSG00000170017
##	1635	5983	4181	48	32711
##	ENSG00000114423	ENSG00000138483	ENSG00000114439	ENSG00000196776	ENSG00000114446
##	3642	4	6197	10058	3746
##	ENSG00000114455	ENSG00000144821	ENSG00000163507	ENSG00000280684	ENSG00000198919
##	0	73	1344	2	1345
##	ENSG00000163515	ENSG00000163519	ENSG00000138472	ENSG00000114487	ENSG00000163530
##	0	0	0	0	1
##	ENSG00000121570	ENSG00000177707	ENSG00000153283	ENSG00000177494	ENSG00000240891
##	13	10282	21	21	43
##	ENSG00000144824	ENSG00000144827	ENSG00000144834	ENSG00000176040	ENSG00000114529
##	2360	2030	144	2	576
##	ENSG00000174500	ENSG00000172139	ENSG00000091972	ENSG00000186265	ENSG00000144848
##	63	4	40	6	3510
##	ENSG00000138459	ENSG00000091986	ENSG00000206531	ENSG00000163606	ENSG00000163607
##	2792	60790	2	2	794
##	ENSG00000163608	ENSG00000144857	ENSG00000206530	ENSG00000163611	ENSG00000072858
##	3278	1377	400	968	4
##	ENSG00000176542	ENSG00000121579	ENSG00000114573	ENSG00000178075	ENSG00000184307
##	1679	17452	7769	494	159
##	ENSG00000163617	ENSG00000151576	ENSG00000151577	ENSG00000174255	ENSG00000181847
##	152	1546	0	0	0
##	ENSG00000181722	ENSG00000279131	ENSG00000279380	ENSG00000172020	ENSG00000185565
##	159	0	0	205	2284
##	ENSG00000144847	ENSG00000163424	ENSG00000251012	ENSG00000114638	ENSG00000121578
##	3	0	0	104	3338
##	ENSG00000031081	ENSG00000176142	ENSG00000163389	ENSG00000113845	ENSG00000121594
##	5724	4111	2495	4176	0
##	ENSG00000144843	ENSG00000144837	ENSG00000121577	ENSG00000138495	ENSG00000183833
##	23	1	18	1366	0
##	ENSG00000144852	ENSG00000082701	ENSG00000175697	ENSG00000163428	ENSG00000163430
##	0	10070	15	4289	175579
##	ENSG00000065518	ENSG00000113924	ENSG00000144840	ENSG00000153767	ENSG00000145087
##	5315	4	1261	1322	3

##	ENSG00000051341	ENSG00000186103	ENSG00000163833	ENSG00000180353	ENSG00000173230
##	697	0	0	22	16118
##	ENSG00000173226	ENSG00000145088	ENSG00000163406	ENSG00000145103	ENSG00000114013
##	1220	64	25	1	0
##	ENSG00000036828	ENSG00000121552	ENSG00000160124	ENSG00000114023	ENSG00000196981
##	0	6	680	1238	669
##	ENSG00000114030	ENSG00000138496	ENSG00000163840	ENSG00000173200	ENSG00000173193
##	4790	622	1946	6	4366
##	ENSG00000169087	ENSG00000138463	ENSG00000082684	ENSG00000065485	ENSG00000121542
##	341	1883	0	4378	998
##	ENSG00000173175	ENSG00000206527	ENSG00000065534	ENSG00000175455	ENSG00000065371
##	67	4316	87657	8545	2
##	ENSG00000160145	ENSG00000114491	ENSG00000082781	ENSG00000173702	ENSG00000173706
##	2932	2186	39286	2	12886
##	ENSG00000221955	ENSG00000163848	ENSG00000114520	ENSG00000144909	ENSG00000189366
##	238	4656	3129	2266	1
##	ENSG00000114547	ENSG00000114544	ENSG00000144908	ENSG00000163884	ENSG00000163885
##	0	3042	0	33	0
##	ENSG00000070476	ENSG00000159650	ENSG00000180767	ENSG00000180697	ENSG00000197763
##	1301	0	1	0	593
##	ENSG00000206483	ENSG00000159685	ENSG00000114554	ENSG00000163870	ENSG00000073111
##	0	877	21211	3846	2099
##	ENSG00000114631	ENSG00000114626	ENSG00000074416	ENSG00000187715	ENSG00000058262
##	467	1111	14086	0	96636
##	ENSG00000175792	ENSG00000132394	ENSG00000179407	ENSG00000179348	ENSG00000163902
##	4280	707	0	995	36060
##	ENSG00000075785	ENSG00000177646	ENSG00000114656	ENSG00000187695	ENSG00000114654
##	35936	2650	7	5	22
##	ENSG00000169704	ENSG00000172780	ENSG00000261796	ENSG00000240682	ENSG00000169714
##	0	969	0	1080	16401
##	ENSG00000181789	ENSG00000183624	ENSG00000184897	ENSG00000172771	ENSG00000129071
##	25131	2332	2963	27	2921
##	ENSG00000163913	ENSG00000163914	ENSG00000178804	ENSG00000004399	ENSG00000172765
##	1946	1	0	14300	1686
##	ENSG00000170893	ENSG00000251287	ENSG00000172752	ENSG00000206384	ENSG00000196455
##	1	10	0	3	2882
##	ENSG00000017260	ENSG00000280127	ENSG00000034533	ENSG00000114670	ENSG00000198585
##	13970	0	321	226	4172
##	ENSG00000114686	ENSG00000196353	ENSG00000014257	ENSG00000138246	ENSG00000240303
##	7384	3	143	14823	20
##	ENSG00000274810	ENSG00000129048	ENSG00000081307	ENSG00000113971	ENSG00000144868
##	14	44	7562	647	110
##	ENSG00000170819	ENSG00000091527	ENSG00000163781	ENSG00000091513	ENSG00000144867
##	0	16551	3590	4	8705
##	ENSG00000154917	ENSG00000221972	ENSG00000174640	ENSG00000163785	ENSG00000114019
##	288	4	276	7900	22365
##	ENSG00000129055	ENSG00000182923	ENSG00000154928	ENSG00000174611	ENSG00000073711
##	4273	1995	114	5	4221
##	ENSG00000174579	ENSG00000114054	ENSG00000118007	ENSG00000168917	ENSG00000158092
##	1290	2382	6560	1074	2631
##	ENSG00000174564	ENSG00000168875	ENSG00000066405	ENSG00000158163	ENSG00000118017
##	43	0	26	539	4
##	ENSG00000138231	ENSG00000114098	ENSG00000181322	ENSG00000158186	ENSG00000158220
##	1033	3061	9	6007	22

##	ENSG00000114107	ENSG00000158234	ENSG00000051382	ENSG00000183770	ENSG00000206262
##	801	394	4626	132	30
##	ENSG00000206260	ENSG00000175110	ENSG00000184814	ENSG00000233701	ENSG00000184432
##	0	2417	0	0	37931
##	ENSG00000114113	ENSG00000114115	ENSG00000163864	ENSG00000158258	ENSG00000155890
##	2	1239	4	23	0
##	ENSG00000114120	ENSG00000175093	ENSG00000155893	ENSG00000177311	ENSG00000155903
##	5628	5	2299	22150	6464
##	ENSG00000280530	ENSG00000114125	ENSG00000114124	ENSG00000069849	ENSG00000114126
##	0	7897	3	22867	3678
##	ENSG00000175066	ENSG00000114127	ENSG00000175054	ENSG00000120756	ENSG00000144935
##	1914	6702	3376	61	1004
##	ENSG00000163710	ENSG00000188582	ENSG00000163714	ENSG00000175040	ENSG00000181804
##	52	6	7104	3705	255
##	ENSG00000181744	ENSG00000152952	ENSG00000114698	ENSG00000163746	ENSG00000188313
##	2185	40543	905	0	1343
##	ENSG00000231213	ENSG00000174963	ENSG00000152977	ENSG00000144891	ENSG00000153002
##	0	0	0	104	0
##	ENSG00000163751	ENSG00000163754	ENSG00000071794	ENSG00000163755	ENSG00000047457
##	3	7513	3114	2202	3
##	ENSG00000163762	ENSG00000169908	ENSG00000169903	ENSG00000018408	ENSG00000114744
##	17	17604	35	15539	2103
##	ENSG00000206199	ENSG00000082996	ENSG00000070087	ENSG00000196428	ENSG00000120742
##	0	2767	22749	6369	19468
##	ENSG00000144895	ENSG00000198843	ENSG00000163645	ENSG00000181788	ENSG00000280141
##	6393	11826	4	2147	0
##	ENSG00000260234	ENSG00000163646	ENSG00000144893	ENSG00000174946	ENSG00000174944
##	0	0	121	0	6
##	ENSG00000138271	ENSG00000181631	ENSG00000169313	ENSG00000152580	ENSG00000197953
##	8	0	1	32	0
##	ENSG00000114771	ENSG00000198829	ENSG00000152601	ENSG00000221962	ENSG00000169860
##	57	29	20969	0	19
##	ENSG00000181467	ENSG00000114790	ENSG00000174953	ENSG00000174948	ENSG00000196549
##	4955	247	7187	0	9715
##	ENSG00000114805	ENSG00000174928	ENSG00000169359	ENSG00000163655	ENSG00000169282
##	8	179	3795	5506	121
##	ENSG00000114850	ENSG00000163659	ENSG00000197980	ENSG00000163660	ENSG00000197415
##	39063	7526	11	5127	1922
##	ENSG00000163661	ENSG00000174899	ENSG00000168779	ENSG00000174891	ENSG00000178053
##	11224	58	200	1439	404
##	ENSG00000168827	ENSG00000079257	ENSG00000118849	ENSG00000118855	ENSG00000250588
##	4825	2299	213	9162	593
##	ENSG00000214216	ENSG00000151967	ENSG00000168811	ENSG00000180044	ENSG00000248710
##	0	106	516	41	0
##	ENSG00000068885	ENSG00000113810	ENSG00000213186	ENSG00000186432	ENSG00000179674
##	975	5420	1103	14913	2
##	ENSG00000163590	ENSG00000169255	ENSG00000169251	ENSG00000196542	ENSG00000182447
##	289	1010	8205	0	0
##	ENSG00000090402	ENSG00000121871	ENSG00000114200	ENSG00000169064	ENSG00000114204
##	0	0	95	0	0
##	ENSG00000174776	ENSG00000114209	ENSG00000163536	ENSG00000173905	ENSG00000085276
##	0	3501	256	14501	1816
##	ENSG00000281137	ENSG00000184378	ENSG00000085274	ENSG00000171757	ENSG00000188306
##	0	284	1312	53	1

##	ENSG00000114248	ENSG00000187033	ENSG00000008952	ENSG00000173890	ENSG00000173889
##	0	0	18128	15	3761
##	ENSG00000163558	ENSG00000136603	ENSG00000013297	ENSG00000013293	ENSG00000163584
##	9290	6543	22592	1077	2753
##	ENSG00000163577	ENSG00000163581	ENSG00000154310	ENSG00000075651	ENSG00000186329
##	1586	0	2056	1453	0
##	ENSG00000075420	ENSG00000121853	ENSG00000121858	ENSG00000144959	ENSG00000114346
##	26926	0	12	4979	4633
##	ENSG00000144962	ENSG00000169760	ENSG00000177694	ENSG00000177565	ENSG00000197584
##	0	509	1634	6869	1
##	ENSG00000275163	ENSG00000172667	ENSG00000121879	ENSG00000171121	ENSG00000121864
##	0	27396	6257	41	1805
##	ENSG00000171109	ENSG00000114450	ENSG00000136518	ENSG00000136522	ENSG00000136521
##	4673	7591	2631	3001	3211
##	ENSG00000058056	ENSG00000114757	ENSG00000163728	ENSG00000145075	ENSG00000114416
##	2462	12	2993	199	13353
##	ENSG00000205981	ENSG00000181449	ENSG00000058063	ENSG00000043093	ENSG00000078070
##	835	1	6156	3778	1758
##	ENSG00000078081	ENSG00000053524	ENSG00000176597	ENSG00000172578	ENSG00000114796
##	4	3	467	1	3720
##	ENSG00000163872	ENSG00000180834	ENSG00000175193	ENSG00000114770	ENSG00000186090
##	6251	294	3210	5430	0
##	ENSG00000178084	ENSG00000186038	ENSG00000145191	ENSG00000161202	ENSG00000161203
##	0	0	3531	11375	67628
##	ENSG00000161204	ENSG00000145198	ENSG00000214160	ENSG00000145194	ENSG00000163888
##	5360	8	4865	661	64
##	ENSG00000175166	ENSG00000114867	ENSG00000175182	ENSG00000114859	ENSG00000163882
##	66442	68137	845	475	2378
##	ENSG00000090534	ENSG00000090539	ENSG00000182580	ENSG00000177383	ENSG00000156931
##	0	9	415	2618	4781
##	ENSG00000187068	ENSG00000113790	ENSG00000073803	ENSG00000163900	ENSG00000163898
##	204	219	1460	1770	113
##	ENSG00000163904	ENSG00000073792	ENSG00000136527	ENSG00000244405	ENSG00000058866
##	3539	12580	9464	4167	142
##	ENSG00000213139	ENSG00000113838	ENSG00000090520	ENSG00000145192	ENSG00000090512
##	33	677	11883	1	0
##	ENSG00000113905	ENSG00000113889	ENSG00000156976	ENSG00000163918	ENSG00000181092
##	0	0	21343	790	1
##	ENSG00000073849	ENSG00000163923	ENSG00000175077	ENSG00000127241	ENSG00000136514
##	941	479	0	1448	2
##	ENSG00000157005	ENSG00000198471	ENSG00000113916	ENSG00000145012	ENSG00000188001
##	0	0	2467	16710	3
##	ENSG00000073282	ENSG00000090530	ENSG00000163347	ENSG00000113946	ENSG00000198398
##	0	15138	12240	50	0
##	ENSG00000196083	ENSG00000205835	ENSG00000188729	ENSG00000188958	ENSG00000152492
##	1907	45	9	56	24126
##	ENSG00000253548	ENSG00000114279	ENSG00000180611	ENSG00000127252	ENSG00000187527
##	0	2	1129	16	0
##	ENSG00000127249	ENSG00000198836	ENSG00000114315	ENSG00000178772	ENSG00000172061
##	3	6901	783	7	2414
##	ENSG00000178732	ENSG00000133657	ENSG00000145014	ENSG00000041802	ENSG00000185112
##	15	47276	2475	4452	4767
##	ENSG00000173950	ENSG00000114331	ENSG00000184203	ENSG00000189058	ENSG00000176945
##	3464	10193	4924	19	5

##	ENSG00000145113	ENSG00000061938	ENSG00000072274	ENSG00000163958	ENSG00000163959
##	0	2550	34244	0	343
##	ENSG00000161217	ENSG00000272741	ENSG00000213123	ENSG00000273331	ENSG00000145107
##	12468	0	62	0	1
##	ENSG00000163960	ENSG00000163961	ENSG00000214097	ENSG00000185798	ENSG00000174013
##	5756	2680	2	553	1716
##	ENSG00000174004	ENSG00000163964	ENSG00000174007	ENSG00000180370	ENSG00000119231
##	176	1333	419	16662	5700
##	ENSG00000114503	ENSG00000270170	ENSG00000119227	ENSG00000163975	ENSG00000075711
##	10484	1286	79	84	5764
##	ENSG00000161267	ENSG00000145016	ENSG00000122068	ENSG00000186001	ENSG00000114473
##	212	3129	8093	4569	411
##	ENSG00000182899	ENSG00000185621	ENSG00000272602	ENSG00000250312	ENSG00000186777
##	24482	1073	294	303	5
##	ENSG00000131127	ENSG00000182903	ENSG00000174227	ENSG00000133256	ENSG00000169020
##	314	1071	5211	4	1869
##	ENSG00000215375	ENSG00000169026	ENSG00000185619	ENSG00000168993	ENSG00000178950
##	440	44	8252	23	9760
##	ENSG00000127419	ENSG00000145214	ENSG00000145217	ENSG00000127415	ENSG00000127418
##	1564	4049	260	1694	10625
##	ENSG00000178222	ENSG00000159674	ENSG00000159692	ENSG00000090316	ENSG00000163945
##	19	31924	8889	6771	772
##	ENSG00000179979	ENSG00000235608	ENSG00000174137	ENSG00000163950	ENSG00000168936
##	525	0	156	4921	5687
##	ENSG00000013810	ENSG00000068078	ENSG00000168924	ENSG00000109685	ENSG00000185049
##	3259	85	7603	7467	1382
##	ENSG00000243449	ENSG00000185818	ENSG00000130997	ENSG00000214367	ENSG00000123933
##	2042	87	135	914	13591
##	ENSG00000159733	ENSG00000249428	ENSG00000063978	ENSG00000125386	ENSG00000168884
##	207	0	8089	3287	3713
##	ENSG00000087266	ENSG00000087274	ENSG00000109736	ENSG00000087269	ENSG00000125388
##	3960	30675	6815	5285	578
##	ENSG00000197386	ENSG00000188981	ENSG00000159788	ENSG00000109758	ENSG00000175920
##	13846	9	2337	3	5
##	ENSG00000163956	ENSG00000280230	ENSG00000184160	ENSG00000163982	ENSG00000132406
##	13745	0	31	0	1232
##	ENSG00000145220	ENSG00000168826	ENSG00000168824	ENSG00000168818	ENSG00000163132
##	1175	336	630	2862	538
##	ENSG00000170891	ENSG00000152953	ENSG00000173040	ENSG00000072840	ENSG00000072832
##	209	1796	715	7964	3072
##	ENSG00000181215	ENSG00000152969	ENSG00000109501	ENSG00000074211	ENSG00000013288
##	0	2	10764	14	13867
##	ENSG00000179010	ENSG00000163993	ENSG00000178988	ENSG00000186222	ENSG00000170871
##	32524	0	4491	1616	7440
##	ENSG00000132405	ENSG00000173013	ENSG00000173011	ENSG00000109519	ENSG00000184985
##	2647	160	3046	3597	360
##	ENSG00000178597	ENSG00000196526	ENSG00000163995	ENSG00000125089	ENSG00000281359
##	0	28866	7	205	0
##	ENSG00000170801	ENSG00000087008	ENSG00000155275	ENSG00000155269	ENSG00000109625
##	1227	2107	731	5	41
##	ENSG00000215612	ENSG00000229924	ENSG00000231396	ENSG00000233136	ENSG00000227551
##	2	0	0	0	0
##	ENSG00000232399	ENSG00000223569	ENSG00000249104	ENSG00000250844	ENSG00000248920
##	0	0	0	0	0

##	ENSG00000250745	ENSG00000249811	ENSG00000248933	ENSG00000250913	ENSG00000232264
##	0	0	0	0	0
##	ENSG00000230430	ENSG00000229579	ENSG00000227140	ENSG00000235780	ENSG00000231051
##	0	0	0	0	0
##	ENSG00000231637	ENSG00000228856	ENSG00000186146	ENSG00000109667	ENSG00000169676
##	0	0	0	72	0
##	ENSG00000071127	ENSG00000178163	ENSG00000109684	ENSG00000002587	ENSG00000157869
##	65716	3236	1	10	1006
##	ENSG00000109705	ENSG00000038219	ENSG00000281620	ENSG00000137449	ENSG00000163145
##	24	10979	0	3993	45
##	ENSG00000048342	ENSG00000118564	ENSG00000237765	ENSG00000109743	ENSG00000004468
##	2511	3310	1998	634	0
##	ENSG00000137440	ENSG00000137441	ENSG00000007062	ENSG00000169762	ENSG00000169744
##	1	1	0	1080	1480
##	ENSG00000151552	ENSG00000249581	ENSG00000002549	ENSG00000118579	ENSG00000047662
##	1416	0	7033	5263	34
##	ENSG00000163257	ENSG00000109805	ENSG00000178177	ENSG00000145147	ENSG00000163138
##	2191	1991	1165	3502	563
##	ENSG00000185774	ENSG00000152990	ENSG00000109819	ENSG00000109606	ENSG00000109610
##	63	11004	59	14789	473
##	ENSG00000181982	ENSG00000153012	ENSG00000109618	ENSG00000281028	ENSG00000038210
##	1313	0	513	0	1499
##	ENSG00000168228	ENSG00000053900	ENSG00000157765	ENSG00000091490	ENSG00000250317
##	569	1739	0	6347	1035
##	ENSG00000168214	ENSG00000163394	ENSG00000109680	ENSG00000109689	ENSG00000169851
##	19582	2	1749	3242	5908
##	ENSG00000047365	ENSG00000197057	ENSG00000174145	ENSG00000154274	ENSG00000181826
##	90	0	0	2	891
##	ENSG00000169299	ENSG00000279386	ENSG00000065882	ENSG00000250254	ENSG00000109787
##	2085	6	4386	0	5425
##	ENSG00000174123	ENSG00000174125	ENSG00000174130	ENSG00000197712	ENSG00000121895
##	0	42	460	22721	617
##	ENSG00000109790	ENSG00000157796	ENSG00000035928	ENSG00000134962	ENSG00000163682
##	22550	2074	3883	11	33335
##	ENSG00000121897	ENSG00000109814	ENSG00000163683	ENSG00000078140	ENSG00000121892
##	400	10287	6252	7712	10227
##	ENSG00000078177	ENSG00000168421	ENSG00000174343	ENSG00000163694	ENSG00000179299
##	525	0	3	121	3
##	ENSG00000163697	ENSG00000154277	ENSG00000064042	ENSG00000109132	ENSG00000109133
##	4793	59407	367	0	6315
##	ENSG00000182308	ENSG00000014824	ENSG00000188848	ENSG00000178343	ENSG00000124406
##	17	10042	12	318	373
##	ENSG00000215203	ENSG00000183783	ENSG00000177752	ENSG00000151806	ENSG00000163281
##	0	60	1	2729	2410
##	ENSG00000163285	ENSG00000151834	ENSG00000170516	ENSG00000109158	ENSG00000163288
##	0	3733	0	205	670
##	ENSG00000169019	ENSG00000145246	ENSG00000145244	ENSG00000170448	ENSG00000163293
##	2693	9780	837	1195	127
##	ENSG00000198515	ENSG00000074966	ENSG00000135605	ENSG00000109171	ENSG00000145248
##	4	3	88	7224	3
##	ENSG00000182223	ENSG00000075539	ENSG00000109180	ENSG00000145247	ENSG00000109182
##	0	6484	10145	945	0
##	ENSG00000109184	ENSG00000188993	ENSG00000163069	ENSG00000163071	ENSG00000109189
##	4499	45	11524	1983	13104

##	ENSG00000226887	ENSG00000128045	ENSG00000184178	ENSG00000145216	ENSG00000282278
##	77	577	3509	2778	0
##	ENSG00000072201	ENSG00000109220	ENSG00000180613	ENSG00000134853	ENSG00000157404
##	249	3908	4	32072	1286
##	ENSG00000128052	ENSG00000128039	ENSG00000134851	ENSG00000134852	ENSG00000163440
##	1023	985	7214	5402	0
##	ENSG00000109255	ENSG00000090989	ENSG00000174799	ENSG00000109265	ENSG00000157426
##	1	3945	1253	352	774
##	ENSG00000128059	ENSG00000128050	ENSG00000174780	ENSG00000196503	ENSG00000249693
##	1791	11311	12522	33	28
##	ENSG00000171476	ENSG00000128040	ENSG00000084093	ENSG00000084092	ENSG00000047315
##	68	0	6164	2879	15398
##	ENSG00000163453	ENSG00000150471	ENSG00000205678	ENSG00000145242	ENSG00000145241
##	31522	2337	0	175	935
##	ENSG00000035720	ENSG00000033178	ENSG00000109163	ENSG00000153802	ENSG00000187054
##	0	6911	6	2	0
##	ENSG00000198092	ENSG00000185873	ENSG00000083896	ENSG00000087128	ENSG00000197888
##	0	0	5275	1	0
##	ENSG00000196620	ENSG00000109181	ENSG00000135220	ENSG00000213759	ENSG00000171234
##	0	0	0	0	9
##	ENSG00000135226	ENSG00000156096	ENSG00000173610	ENSG00000270386	ENSG00000271271
##	0	1	0	0	0
##	ENSG00000173597	ENSG00000109193	ENSG00000126545	ENSG00000135222	ENSG00000126549
##	23	0	0	0	0
##	ENSG00000279857	ENSG00000205649	ENSG00000126550	ENSG00000187533	ENSG00000109205
##	0	0	0	0	0
##	ENSG00000181617	ENSG00000171209	ENSG00000145309	ENSG00000109208	ENSG00000171201
##	0	1	0	0	0
##	ENSG00000171199	ENSG00000171195	ENSG00000187689	ENSG00000178522	ENSG00000132464
##	0	1	0	0	13
##	ENSG00000132465	ENSG00000132467	ENSG00000018189	ENSG00000132463	ENSG00000173542
##	20	4974	2652	14051	7297
##	ENSG00000156136	ENSG00000080493	ENSG00000145321	ENSG00000056291	ENSG00000156140
##	1809	5041	0	1	454
##	ENSG00000163626	ENSG00000132466	ENSG00000163631	ENSG00000081051	ENSG00000079557
##	1318	18029	0	34	0
##	ENSG00000169435	ENSG00000169429	ENSG00000124875	ENSG00000109272	ENSG00000163739
##	2	3062	101	8	588
##	ENSG00000163737	ENSG00000163736	ENSG00000163735	ENSG00000163734	ENSG00000081041
##	1	0	172	217	65
##	ENSG00000163738	ENSG00000182585	ENSG00000124882	ENSG00000109321	ENSG00000174808
##	340	0	3082	25377	3
##	ENSG00000169116	ENSG00000163743	ENSG00000174796	ENSG00000174792	ENSG00000138769
##	193	1483	1164	7	10
##	ENSG00000138757	ENSG00000138768	ENSG00000156194	ENSG00000138744	ENSG00000198301
##	30059	16727	0	1512	3811
##	ENSG00000279909	ENSG00000280671	ENSG00000138755	ENSG00000156219	ENSG00000169245
##	0	0	0	11	42
##	ENSG00000169248	ENSG00000138750	ENSG00000138760	ENSG00000189157	ENSG00000272414
##	4	2321	35568	5	0
##	ENSG00000118804	ENSG00000163749	ENSG00000138771	ENSG00000186212	ENSG00000138758
##	111	5	7655	15	101470
##	ENSG00000118816	ENSG00000138764	ENSG00000156234	ENSG00000138767	ENSG00000169288
##	21246	5785	0	1193	1285

##	ENSG00000138759	ENSG00000138772	ENSG00000138756	ENSG00000163291	ENSG00000156269
##	35	156	1595	3386	0
##	ENSG00000196475	ENSG00000163297	ENSG00000152784	ENSG00000138675	ENSG00000197826
##	0	22506	2313	11199	41
##	ENSG00000152785	ENSG00000138669	ENSG00000138670	ENSG00000138668	ENSG00000152795
##	30	648	7	13194	13408
##	ENSG00000145293	ENSG00000249242	ENSG00000145284	ENSG00000138674	ENSG00000168152
##	3824	33	2377	54253	168
##	ENSG00000189308	ENSG00000138663	ENSG00000145287	ENSG00000173085	ENSG00000173083
##	1589	3876	2	633	21
##	ENSG00000163312	ENSG00000163319	ENSG00000163322	ENSG00000138678	ENSG00000163623
##	799	757	721	710	47
##	ENSG00000163624	ENSG00000163625	ENSG00000138639	ENSG00000109339	ENSG00000163629
##	13	9260	3051	489	9955
##	ENSG00000145283	ENSG00000163633	ENSG00000172493	ENSG00000145332	ENSG00000170509
##	8	164	4206	1932	6
##	ENSG00000198189	ENSG00000170502	ENSG00000152583	ENSG00000152591	ENSG00000152592
##	2063	2677	2	0	0
##	ENSG00000029559	ENSG00000152595	ENSG00000118785	ENSG00000118762	ENSG00000118777
##	0	2	146	9870	1221
##	ENSG00000163644	ENSG00000138642	ENSG00000138646	ENSG00000145337	ENSG00000138641
##	1176	244	38	0	5058
##	ENSG00000255072	ENSG00000177432	ENSG00000138640	ENSG00000180346	ENSG00000185477
##	0	1339	2111	1038	16
##	ENSG00000145335	ENSG00000138722	ENSG00000184305	ENSG00000152208	ENSG00000172238
##	314	0	0	1	0
##	ENSG00000163104	ENSG00000163106	ENSG00000163110	ENSG00000138696	ENSG00000182168
##	5453	0	9951	224	40
##	ENSG00000163114	ENSG00000163116	ENSG00000138698	ENSG00000168785	ENSG00000151247
##	0	6	6035	13571	4322
##	ENSG00000164024	ENSG00000197894	ENSG00000198099	ENSG00000172955	ENSG00000187758
##	4825	17014	1	11	0
##	ENSG00000196616	ENSG00000248144	ENSG00000196344	ENSG00000138813	ENSG00000145331
##	6	1	0	0	545
##	ENSG00000138823	ENSG00000248713	ENSG00000070190	ENSG00000109270	ENSG00000164031
##	3	0	0	2993	6289
##	ENSG00000164032	ENSG00000145358	ENSG00000164035	ENSG00000138814	ENSG00000153064
##	14688	946	0	8405	28
##	ENSG00000138821	ENSG00000109320	ENSG00000109323	ENSG00000109332	ENSG00000145354
##	76	3711	7664	33112	1766
##	ENSG00000164037	ENSG00000164038	ENSG00000164039	ENSG00000138778	ENSG00000169836
##	32	2197	1581	2642	0
##	ENSG00000168772	ENSG00000168769	ENSG00000138777	ENSG00000236699	ENSG00000138785
##	7	3361	2971	12	1206
##	ENSG00000138780	ENSG00000168743	ENSG00000145348	ENSG00000164022	ENSG00000155011
##	1046	1	2435	3641	45
##	ENSG00000138801	ENSG00000164023	ENSG00000155016	ENSG00000138796	ENSG00000138795
##	7111	2884	1546	1284	1036
##	ENSG00000109475	ENSG00000198856	ENSG00000164089	ENSG00000188517	ENSG00000138802
##	17360	10477	0	19	5633
##	ENSG00000005059	ENSG00000138794	ENSG00000123739	ENSG00000205403	ENSG00000109534
##	722	1018	2498	10	1659
##	ENSG00000180245	ENSG00000183423	ENSG00000138798	ENSG00000170522	ENSG00000138792
##	4	5	147	4060	15

##	ENSG00000164093	ENSG00000174749	ENSG00000138660	ENSG00000145365	ENSG00000073331
##	273	187	1491	299	509
##	ENSG00000178403	ENSG00000138658	ENSG00000174720	ENSG00000145362	ENSG00000145349
##	0	331	2528	286	11090
##	ENSG00000180801	ENSG00000174607	ENSG00000138653	ENSG00000270394	ENSG00000174599
##	10349	0	0	0	342
##	ENSG00000164100	ENSG00000164099	ENSG00000145388	ENSG00000150961	ENSG00000172403
##	39	12311	1668	29889	385
##	ENSG00000172399	ENSG00000145390	ENSG00000164096	ENSG00000145384	ENSG00000138735
##	21	3130	11811	0	55782
##	ENSG00000164109	ENSG00000138738	ENSG00000173376	ENSG00000050730	ENSG00000186867
##	1859	517	12	24	0
##	ENSG00000164111	ENSG00000164112	ENSG00000123737	ENSG00000145386	ENSG00000138686
##	133665	108	1854	2638	2076
##	ENSG00000138741	ENSG00000138688	ENSG00000164113	ENSG00000109471	ENSG00000138684
##	186	13117	0	1	0
##	ENSG00000181004	ENSG00000138685	ENSG00000170917	ENSG00000145375	ENSG00000164056
##	554	19076	138	847	495
##	ENSG00000151458	ENSG00000196159	ENSG00000164066	ENSG00000151475	ENSG00000164070
##	7559	5737	907	1	1168
##	ENSG00000142731	ENSG00000164073	ENSG00000164074	ENSG00000138709	ENSG00000164040
##	656	1179	512	1860	12257
##	ENSG00000077684	ENSG00000151466	ENSG00000151470	ENSG00000138650	ENSG00000254535
##	2590	801	240	1307	61
##	ENSG00000189184	ENSG00000151012	ENSG00000151014	ENSG00000109381	ENSG00000137463
##	14273	25136	1157	2051	455
##	ENSG00000109390	ENSG00000164134	ENSG00000172007	ENSG00000145391	ENSG00000085871
##	2042	7186	955	16276	511
##	ENSG00000196782	ENSG00000153130	ENSG00000153132	ENSG00000205301	ENSG00000179387
##	1469	7264	344	0	3146
##	ENSG00000109424	ENSG00000109436	ENSG00000170153	ENSG00000109445	ENSG00000164136
##	0	5239	1860	1921	355
##	ENSG00000109452	ENSG00000170185	ENSG00000109458	ENSG00000153147	ENSG00000183090
##	1534	4319	2076	14469	2
##	ENSG00000197465	ENSG00000250361	ENSG00000170180	ENSG00000164161	ENSG00000164162
##	43	0	0	991	417
##	ENSG00000164163	ENSG00000164164	ENSG00000170365	ENSG00000151611	ENSG00000237136
##	8615	6164	852	782	0
##	ENSG00000151612	ENSG00000164167	ENSG00000120519	ENSG00000151615	ENSG00000137473
##	2979	642	713	0	18
##	ENSG00000151617	ENSG00000164168	ENSG00000164169	ENSG00000071205	ENSG00000151623
##	4479	4321	889	4205	546
##	ENSG00000170390	ENSG00000198589	ENSG00000181541	ENSG00000145425	ENSG00000109686
##	1143	3985	656	23086	3175
##	ENSG00000189099	ENSG00000164142	ENSG00000059691	ENSG00000109670	ENSG00000170006
##	0	5	1140	1657	364
##	ENSG00000164144	ENSG00000169989	ENSG00000137460	ENSG00000109654	ENSG00000121211
##	4088	6	87	7115	89
##	ENSG00000121210	ENSG00000137462	ENSG00000145428	ENSG00000145423	ENSG00000197410
##	2117	5	0	1	5
##	ENSG00000171566	ENSG00000171564	ENSG00000171560	ENSG00000171557	ENSG00000121207
##	6215	0	0	0	1
##	ENSG00000151962	ENSG00000185149	ENSG00000164114	ENSG00000164116	ENSG00000061918
##	0	0	1974	7	129

##	ENSG000000256394	ENSG000000151790	ENSG000000256043	ENSG000000145431	ENSG000000109738
##	1	18	1284	8895	711
##	ENSG000000120251	ENSG000000164125	ENSG000000164124	ENSG000000171509	ENSG000000205208
##	0	1423	59	10	1401
##	ENSG000000171503	ENSG000000171497	ENSG000000052795	ENSG000000164123	ENSG000000109756
##	1683	2033	2006	0	7866
##	ENSG000000168843	ENSG000000145414	ENSG000000164128	ENSG000000164129	ENSG000000151005
##	1	1114	2	0	2
##	ENSG000000198498	ENSG000000145416	ENSG000000248329	ENSG000000183439	ENSG000000250486
##	1915	94	0	99	34
##	ENSG000000176979	ENSG000000170088	ENSG000000109466	ENSG000000052802	ENSG000000109472
##	0	1871	1844	7995	2053
##	ENSG000000038295	ENSG000000196104	ENSG000000109511	ENSG000000137628	ENSG000000181381
##	0	19	80	1034	1345
##	ENSG000000129116	ENSG000000145439	ENSG000000154447	ENSG000000137601	ENSG000000109572
##	46357	889	4925	2055	11880
##	ENSG000000056050	ENSG000000198948	ENSG000000109576	ENSG000000174473	ENSG000000109586
##	1072	86	925	10	4179
##	ENSG000000164104	ENSG000000164105	ENSG000000164106	ENSG000000164107	ENSG000000164117
##	4149	680	9	35	960
##	ENSG000000164118	ENSG000000164120	ENSG000000145451	ENSG000000168594	ENSG000000150625
##	860	0	0	0	0
##	ENSG000000150627	ENSG000000150628	ENSG000000164122	ENSG000000129128	ENSG000000150630
##	55	22	20	17712	10439
##	ENSG000000109674	ENSG000000038002	ENSG000000218336	ENSG000000129187	ENSG000000151718
##	209	1167	13037	9260	7773
##	ENSG000000177300	ENSG000000185758	ENSG000000168564	ENSG000000168556	ENSG000000182552
##	0	1	1895	594	1583
##	ENSG000000168538	ENSG000000173320	ENSG000000164303	ENSG000000168310	ENSG000000164305
##	3537	871	4	1515	3805
##	ENSG000000164306	ENSG000000151725	ENSG000000151726	ENSG000000187821	ENSG000000151729
##	417	773	3890	0	1208
##	ENSG000000164323	ENSG000000109762	ENSG000000109771	ENSG000000186352	ENSG000000109775
##	3985	2803	105	116	1637
##	ENSG000000205129	ENSG000000168491	ENSG000000154553	ENSG000000154556	ENSG000000164342
##	12	54	486	4	20
##	ENSG000000109794	ENSG000000145476	ENSG000000164344	ENSG000000088926	ENSG000000272297
##	60	862	8	1	0
##	ENSG000000168412	ENSG000000083857	ENSG000000179059	ENSG000000179046	ENSG000000184108
##	2	63318	0	55	0
##	ENSG000000109536	ENSG000000205097	ENSG000000260596	ENSG000000153404	ENSG000000185028
##	1577	1	0	509	1
##	ENSG000000164366	ENSG000000073578	ENSG000000249915	ENSG000000063438	ENSG000000180104
##	2102	11595	6759	7229	5308
##	ENSG000000066230	ENSG000000112877	ENSG000000171368	ENSG000000206077	ENSG000000188818
##	407	182	27	2	76
##	ENSG000000028310	ENSG000000071539	ENSG000000145506	ENSG000000113504	ENSG000000174358
##	3993	1597	25	3882	2
##	ENSG000000164363	ENSG000000164362	ENSG000000049656	ENSG000000142319	ENSG000000153395
##	0	0	12716	2	8159
##	ENSG000000171421	ENSG000000145494	ENSG000000113430	ENSG000000170561	ENSG000000186493
##	3578	4052	19	101	56
##	ENSG000000170549	ENSG000000145536	ENSG000000164151	ENSG000000133398	ENSG000000215218
##	0	7	5737	2780	3

##	ENSG00000037474	ENSG00000145545	ENSG00000112941	ENSG00000282558	ENSG00000078295
##	6243	3372	1415	0	0
##	ENSG00000215217	ENSG00000124275	ENSG00000124279	ENSG00000112902	ENSG00000169777
##	3	2886	519	18707	6
##	ENSG00000150756	ENSG00000150753	ENSG00000164237	ENSG00000145495	ENSG00000145491
##	823	18854	3028	11425	13
##	ENSG00000164236	ENSG00000112977	ENSG00000169862	ENSG00000039139	ENSG00000038382
##	901	42946	0	3629	45612
##	ENSG00000281325	ENSG00000145569	ENSG00000154124	ENSG00000154122	ENSG00000183580
##	1	432	2326	5049	2184
##	ENSG00000183654	ENSG00000173545	ENSG00000154153	ENSG00000145555	ENSG00000176788
##	0	5001	4	46759	21369
##	ENSG00000145526	ENSG00000154162	ENSG00000164256	ENSG00000040731	ENSG00000113100
##	31	4	0	53	1
##	ENSG00000113361	ENSG00000113360	ENSG00000082213	ENSG00000133401	ENSG00000113384
##	40905	4865	2409	86	10960
##	ENSG00000150712	ENSG00000056097	ENSG00000113387	ENSG00000113389	ENSG00000113407
##	3808	14199	6849	2066	16517
##	ENSG00000151388	ENSG00000182631	ENSG00000164175	ENSG00000242110	ENSG00000273294
##	17047	12	3	160	1
##	ENSG00000082196	ENSG00000039560	ENSG00000205838	ENSG00000113456	ENSG00000113460
##	10	66377	21	2735	2351
##	ENSG00000168724	ENSG00000113492	ENSG00000113494	ENSG00000152582	ENSG00000168685
##	5890	0	69	113	10795
##	ENSG00000152611	ENSG00000145626	ENSG00000168671	ENSG00000164187	ENSG00000145604
##	2	0	0	1973	1735
##	ENSG00000152620	ENSG00000164188	ENSG00000079215	ENSG00000164190	ENSG00000197603
##	1920	6	38	8547	2160
##	ENSG00000113569	ENSG00000082068	ENSG00000168621	ENSG00000164318	ENSG00000113594
##	3168	2072	1904	47	3601
##	ENSG00000145623	ENSG00000164327	ENSG00000082074	ENSG00000113600	ENSG00000153071
##	28752	6603	1	4	23644
##	ENSG00000171522	ENSG00000113638	ENSG00000132356	ENSG00000279126	ENSG00000145592
##	1116	1007	12145	0	32890
##	ENSG00000132357	ENSG00000112936	ENSG00000171495	ENSG00000039537	ENSG00000182836
##	829	141	0	7	30
##	ENSG00000083720	ENSG00000205765	ENSG00000151876	ENSG00000112964	ENSG00000198865
##	3186	2948	317	154	51
##	ENSG00000250722	ENSG00000177721	ENSG00000172262	ENSG00000177453	ENSG00000112972
##	12	68	2487	44	4830
##	ENSG00000151882	ENSG00000151881	ENSG00000172244	ENSG00000172239	ENSG00000112992
##	4	1068	227	7400	7930
##	ENSG00000070193	ENSG00000112996	ENSG00000164588	ENSG00000170571	ENSG00000151883
##	6	2157	0	593	1328
##	ENSG00000016082	ENSG00000213949	ENSG00000152684	ENSG00000164171	ENSG00000164172
##	1	22222	8436	95832	3530
##	ENSG00000134363	ENSG00000164258	ENSG00000185305	ENSG00000169271	ENSG00000178996
##	25637	3047	1813	12	11327
##	ENSG00000164283	ENSG00000113088	ENSG00000145649	ENSG00000164287	ENSG00000164294
##	231	0	0	1	18190
##	ENSG00000234602	ENSG00000152669	ENSG00000067248	ENSG00000039123	ENSG00000067113
##	0	21	9482	7638	813
##	ENSG00000177058	ENSG00000152670	ENSG00000164509	ENSG00000279768	ENSG00000134352
##	1917	0	199	0	81407

##	ENSG00000164512	ENSG00000225940	ENSG00000095015	ENSG00000155542	ENSG00000155545
##	62	0	1153	252	2489
##	ENSG00000062194	ENSG00000169067	ENSG00000145632	ENSG00000175857	ENSG00000152932
##	5500	123	20435	0	0
##	ENSG00000113448	ENSG00000280447	ENSG00000035499	ENSG00000164181	ENSG00000049167
##	499	1	315	6	679
##	ENSG00000164182	ENSG00000188725	ENSG00000130449	ENSG00000068796	ENSG00000086189
##	1867	6335	3432	3956	2996
##	ENSG00000086200	ENSG00000186105	ENSG00000178394	ENSG00000164197	ENSG00000186479
##	1619	0	0	8	0
##	ENSG00000145642	ENSG00000153006	ENSG00000153015	ENSG00000049192	ENSG00000123219
##	4	2999	2741	1549	626
##	ENSG00000113593	ENSG00000113595	ENSG00000113597	ENSG00000253251	ENSG00000197860
##	1479	2601	1380	127	3694
##	ENSG00000123213	ENSG00000112851	ENSG00000153914	ENSG00000069020	ENSG00000134061
##	4252	12247	5609	2539	1
##	ENSG00000145675	ENSG00000145740	ENSG00000134057	ENSG00000153044	ENSG00000134056
##	2158	6571	4568	393	1440
##	ENSG00000134058	ENSG00000183323	ENSG00000085231	ENSG00000273841	ENSG00000152942
##	4516	250	1292	4710	1856
##	ENSG00000152939	ENSG00000197822	ENSG00000183474	ENSG00000205572	ENSG00000205571
##	78	20	614	17	298
##	ENSG00000172058	ENSG00000172062	ENSG00000249437	ENSG00000145736	ENSG00000145734
##	14	894	12	816	6186
##	ENSG00000131844	ENSG00000164326	ENSG00000131711	ENSG00000113048	ENSG00000049883
##	2707	0	63740	3481	824
##	ENSG00000178175	ENSG00000083312	ENSG00000157107	ENSG00000157111	ENSG00000164325
##	0	30312	3842	540	0
##	ENSG00000251493	ENSG00000145741	ENSG00000164331	ENSG00000164338	ENSG00000214944
##	6572	28597	2102	1567	5577
##	ENSG00000171617	ENSG00000049860	ENSG00000164347	ENSG00000164346	ENSG00000198780
##	19954	18544	3455	4760	23
##	ENSG00000176928	ENSG00000145700	ENSG00000113161	ENSG00000113163	ENSG00000122008
##	271	3	8441	3795	2405
##	ENSG00000189045	ENSG00000152359	ENSG00000122012	ENSG00000254893	ENSG00000145703
##	12	426	1	114	391
##	ENSG00000164220	ENSG00000181104	ENSG00000164251	ENSG00000171643	ENSG00000145708
##	10603	93794	15008	0	36
##	ENSG00000164252	ENSG00000132846	ENSG00000113231	ENSG00000164253	ENSG00000171540
##	3092	263	139	5149	0
##	ENSG00000171530	ENSG00000132842	ENSG00000085365	ENSG00000145685	ENSG00000113273
##	7323	11423	5657	5447	7968
##	ENSG00000132837	ENSG00000132840	ENSG00000145692	ENSG00000152409	ENSG00000152413
##	18	33	1	2717	1616
##	ENSG00000164329	ENSG00000164309	ENSG00000177034	ENSG00000113296	ENSG00000164300
##	4098	43	1949	31	4435
##	ENSG00000164299	ENSG00000039319	ENSG00000152380	ENSG00000189127	ENSG00000228716
##	0	4905	215	0	1621
##	ENSG00000113318	ENSG00000113319	ENSG00000131730	ENSG00000131732	ENSG00000172497
##	1837	8657	44	2002	8
##	ENSG00000145687	ENSG00000152348	ENSG00000186468	ENSG00000205464	ENSG00000174695
##	1550	470	17320	120	14477
##	ENSG00000152422	ENSG00000038427	ENSG00000145681	ENSG00000164176	ENSG00000127184
##	1075	85562	26	25711	8555

##	ENSG00000145715	ENSG00000134480	ENSG00000164180	ENSG00000081189	ENSG00000153140
##	13034	2496	1062	479	603
##	ENSG00000176055	ENSG00000113356	ENSG00000176018	ENSG00000164199	ENSG00000113369
##	585	534	4674	29	5923
##	ENSG00000175745	ENSG00000113391	ENSG00000248483	ENSG00000185261	ENSG00000133302
##	11675	3107	0	201	540
##	ENSG00000175471	ENSG00000153347	ENSG00000198677	ENSG00000164291	ENSG00000178015
##	568	0	18341	2836	30
##	ENSG00000175449	ENSG00000145757	ENSG00000164292	ENSG00000173221	ENSG00000118985
##	27	41	20004	6980	16500
##	ENSG00000175426	ENSG00000153113	ENSG00000164307	ENSG00000164308	ENSG00000113441
##	4	17289	3973	2531	4054
##	ENSG00000145721	ENSG00000058729	ENSG00000174136	ENSG00000279232	ENSG00000153922
##	1	2666	12686	24	3935
##	ENSG00000174132	ENSG00000113532	ENSG00000173930	ENSG00000205359	ENSG00000145730
##	1568	32	0	0	18566
##	ENSG00000145723	ENSG00000145725	ENSG00000181751	ENSG00000112874	ENSG00000184349
##	380	7197	1267	638	715
##	ENSG00000145743	ENSG00000151422	ENSG00000198961	ENSG00000112893	ENSG00000186952
##	2756	4136	14222	31005	22
##	ENSG00000164209	ENSG00000145777	ENSG00000134987	ENSG00000152495	ENSG00000164211
##	7773	1032	9728	1214	4322
##	ENSG00000134986	ENSG00000129595	ENSG00000134982	ENSG00000258864	ENSG00000272869
##	18271	12	6626	0	3
##	ENSG00000153037	ENSG00000129625	ENSG00000212643	ENSG00000172795	ENSG00000171444
##	1126	15109	2	5378	8075
##	ENSG00000212122	ENSG00000047188	ENSG00000080709	ENSG00000152503	ENSG00000164219
##	0	3266	1539	41	1656
##	ENSG00000164221	ENSG00000145780	ENSG00000251201	ENSG00000243414	ENSG00000134970
##	947	3310	13	22	13875
##	ENSG00000129596	ENSG00000145782	ENSG00000177879	ENSG00000280329	ENSG00000172901
##	476	7418	8141	0	22
##	ENSG00000268714	ENSG00000268223	ENSG00000145781	ENSG00000092421	ENSG00000169570
##	0	0	1433	540	340
##	ENSG00000172869	ENSG00000145779	ENSG00000133835	ENSG00000164334	ENSG00000184838
##	4353	1311	6848	0	6662
##	ENSG00000181867	ENSG00000151304	ENSG00000113083	ENSG00000164185	ENSG00000064692
##	0	1262	101676	26	1023
##	ENSG00000205302	ENSG00000064652	ENSG00000168938	ENSG00000061455	ENSG00000168944
##	3725	1185	3284	197	2966
##	ENSG00000151292	ENSG00000168916	ENSG00000155324	ENSG00000164904	ENSG00000164902
##	5218	3692	1298	3845	6070
##	ENSG00000196900	ENSG00000113368	ENSG00000173926	ENSG00000164241	ENSG00000145794
##	2	2687	571	47	1
##	ENSG00000164244	ENSG00000205279	ENSG00000064651	ENSG00000138829	ENSG00000113396
##	16229	0	3968	23842	37
##	ENSG00000066583	ENSG00000145808	ENSG00000186367	ENSG00000198108	ENSG00000169567
##	944	772	1	403	12635
##	ENSG00000186687	ENSG00000158985	ENSG00000158987	ENSG00000273217	ENSG00000217128
##	1784	4058	657	0	5434
##	ENSG00000239642	ENSG00000281938	ENSG00000164398	ENSG00000164399	ENSG00000164400
##	1	0	2	0	13
##	ENSG00000072682	ENSG00000131435	ENSG00000197208	ENSG00000197375	ENSG00000197536
##	17874	7281	1303	394	298

##	ENSG00000125347	ENSG00000113525	ENSG00000113522	ENSG00000169194	ENSG00000113520
##	4221	0	5229	0	1
##	ENSG00000131437	ENSG00000205089	ENSG00000164402	ENSG00000198944	ENSG00000164403
##	2483	1	9132	1	987
##	ENSG00000164404	ENSG00000164405	ENSG00000164406	ENSG00000072364	ENSG00000155329
##	11	4926	36	22962	1116
##	ENSG00000170606	ENSG00000053108	ENSG00000113583	ENSG00000213585	ENSG00000081059
##	22630	7	11612	26424	883
##	ENSG00000113558	ENSG00000272772	ENSG00000113575	ENSG00000006837	ENSG00000119048
##	18755	0	9846	55	6380
##	ENSG00000237190	ENSG00000043143	ENSG00000152700	ENSG00000113615	ENSG00000164615
##	1322	4346	5565	9651	3565
##	ENSG00000145833	ENSG00000181904	ENSG00000113621	ENSG00000132570	ENSG00000152705
##	7053	11808	7424	410	13
##	ENSG00000069011	ENSG00000113648	ENSG00000251380	ENSG00000255833	ENSG00000181965
##	11962	12676	0	0	0
##	ENSG00000145824	ENSG00000145832	ENSG00000145839	ENSG00000145826	ENSG00000120708
##	7	0	0	1	419262
##	ENSG00000113658	ENSG00000069018	ENSG00000152377	ENSG00000146021	ENSG00000177733
##	8504	0	8047	211	14842
##	ENSG00000120729	ENSG00000078795	ENSG00000031003	ENSG00000061492	ENSG00000112981
##	7	2	5365	1	34
##	ENSG00000112983	ENSG00000112984	ENSG00000094880	ENSG00000146013	ENSG00000158402
##	4184	3428	2866	2	315
##	ENSG00000120709	ENSG00000120733	ENSG00000132563	ENSG00000120738	ENSG00000120705
##	5335	6768	2293	17063	17837
##	ENSG00000113013	ENSG00000044115	ENSG00000146006	ENSG00000120725	ENSG00000280987
##	23828	51843	126	4274	144
##	ENSG00000015479	ENSG00000120727	ENSG00000170482	ENSG00000170476	ENSG00000228672
##	139	3719	30	0	239
##	ENSG00000170469	ENSG00000170464	ENSG00000279686	ENSG00000249751	ENSG00000184584
##	149	2387	0	5	3225
##	ENSG00000131508	ENSG00000171604	ENSG00000146005	ENSG00000158458	ENSG00000185129
##	8124	4035	7	12	3054
##	ENSG00000182700	ENSG00000120306	ENSG00000113068	ENSG00000281227	ENSG00000113070
##	461	1615	6408	1	2546
##	ENSG00000113073	ENSG00000131503	ENSG00000254996	ENSG00000213523	ENSG00000243056
##	0	78	87	4676	6
##	ENSG00000113108	ENSG00000176087	ENSG00000170458	ENSG00000131495	ENSG00000113119
##	408	5093	32	1840	202
##	ENSG00000113141	ENSG00000120314	ENSG00000256453	ENSG00000170445	ENSG00000112855
##	7678	2971	0	9105	2412
##	ENSG00000146007	ENSG00000204970	ENSG00000204969	ENSG00000255408	ENSG00000204967
##	4870	13	8	29	24
##	ENSG00000204965	ENSG00000081842	ENSG00000204963	ENSG00000204962	ENSG00000204961
##	1	14	71	4	2
##	ENSG00000250120	ENSG00000249158	ENSG00000251664	ENSG00000239389	ENSG00000248383
##	41	0	1	0	3
##	ENSG00000243232	ENSG00000171815	ENSG00000112852	ENSG00000113205	ENSG00000081818
##	0	0	321	62	17
##	ENSG00000113209	ENSG00000113211	ENSG00000113212	ENSG00000120322	ENSG00000272674
##	161	108	289	75	347
##	ENSG00000279068	ENSG00000177839	ENSG00000120324	ENSG00000197479	ENSG00000120328
##	2	140	260	78	78

##	ENSG00000187372	ENSG00000120327	ENSG00000279983	ENSG00000113248	ENSG00000178913
##	409	414	0	301	12599
##	ENSG00000120329	ENSG00000204956	ENSG00000081853	ENSG00000254245	ENSG00000254221
##	1	402	1253	562	604
##	ENSG00000262576	ENSG00000253910	ENSG00000253485	ENSG00000262209	ENSG00000253731
##	1672	847	576	695	1181
##	ENSG00000253537	ENSG00000253953	ENSG00000253767	ENSG00000276547	ENSG00000261934
##	1134	1542	117	6108	370
##	ENSG00000253305	ENSG00000253846	ENSG00000254122	ENSG00000253873	ENSG00000253159
##	361	1168	1629	1467	1557
##	ENSG00000240184	ENSG00000242419	ENSG00000240764	ENSG00000131504	ENSG00000171720
##	6434	41	440	11721	4252
##	ENSG00000164620	ENSG00000197948	ENSG00000120318	ENSG00000156453	ENSG00000081791
##	253	2377	1971	252	3552
##	ENSG00000113555	ENSG00000013561	ENSG00000113552	ENSG00000131507	ENSG00000187678
##	37	5430	3794	9424	14817
##	ENSG00000113578	ENSG00000145819	ENSG00000113580	ENSG00000158497	ENSG00000145817
##	1272	303	11859	0	13059
##	ENSG00000183775	ENSG00000186314	ENSG00000204928	ENSG00000156463	ENSG00000173261
##	143	179	0	172	16
##	ENSG00000133706	ENSG00000275740	ENSG00000091009	ENSG00000091010	ENSG00000113649
##	10616	1	1611	1	5294
##	ENSG00000173250	ENSG00000156475	ENSG00000169302	ENSG00000113657	ENSG00000176049
##	2	5	10	14936	5
##	ENSG00000164266	ENSG00000164265	ENSG00000178776	ENSG00000133710	ENSG00000196800
##	0	0	15	0	0
##	ENSG00000178172	ENSG00000214510	ENSG00000145879	ENSG00000204909	ENSG00000145868
##	0	0	0	2	3921
##	ENSG00000164270	ENSG00000169252	ENSG00000169247	ENSG00000173210	ENSG00000157510
##	0	193	345	20376	903
##	ENSG00000164284	ENSG00000145882	ENSG00000127743	ENSG00000113712	ENSG00000183111
##	1316	1102	26	15007	155
##	ENSG00000155846	ENSG00000132915	ENSG00000155850	ENSG00000164296	ENSG00000113716
##	184	1	5555	583	8631
##	ENSG00000182578	ENSG00000113721	ENSG00000113722	ENSG00000011083	ENSG00000070808
##	53	69537	8	0	41
##	ENSG00000183876	ENSG00000070814	ENSG00000019582	ENSG00000164587	ENSG00000070614
##	1125	6125	26	36597	34347
##	ENSG00000171992	ENSG00000164591	ENSG00000086589	ENSG00000132912	ENSG00000256235
##	6841	12	2785	11129	7408
##	ENSG00000237693	ENSG00000145908	ENSG00000279109	ENSG00000211445	ENSG00000145901
##	3	632	1	464	11259
##	ENSG00000197043	ENSG00000198624	ENSG00000196743	ENSG00000186334	ENSG00000186335
##	55298	326	3517	0	1
##	ENSG00000123643	ENSG00000086570	ENSG00000113140	ENSG00000177556	ENSG00000275765
##	5768	25	464582	3078	84
##	ENSG00000145907	ENSG00000145888	ENSG00000132911	ENSG00000155511	ENSG00000055147
##	20913	1	0	51	2208
##	ENSG00000037749	ENSG00000164574	ENSG00000164576	ENSG00000113196	ENSG00000155506
##	3035	28098	3791	3	30421
##	ENSG00000170271	ENSG00000155508	ENSG00000082516	ENSG00000082515	ENSG00000226650
##	1045	5787	2843	1492	6
##	ENSG00000170624	ENSG00000279646	ENSG00000145850	ENSG00000113249	ENSG00000135077
##	3954	0	0	0	12

##	ENSG00000155868	ENSG00000113263	ENSG00000170613	ENSG00000055163	ENSG00000172568
##	925	0	0	2010	2
##	ENSG00000135074	ENSG00000172548	ENSG00000039600	ENSG00000187658	ENSG00000113272
##	83132	40	8	0	900
##	ENSG00000155858	ENSG00000113282	ENSG00000164330	ENSG00000145860	ENSG00000164332
##	1105	10236	877	14457	4626
##	ENSG00000113302	ENSG00000170214	ENSG00000113312	ENSG00000170234	ENSG00000170231
##	1	97	4222	2201	0
##	ENSG00000135083	ENSG00000145861	ENSG00000221886	ENSG00000164609	ENSG00000164611
##	1158	110	350	4179	1642
##	ENSG00000118322	ENSG00000145864	ENSG00000145863	ENSG00000022355	ENSG00000113327
##	0	0	0	0	0
##	ENSG00000113328	ENSG00000170584	ENSG00000072571	ENSG00000038274	ENSG00000145934
##	21296	1447	1201	7331	22
##	ENSG00000113645	ENSG00000113643	ENSG00000188573	ENSG00000120137	ENSG00000184347
##	818	12341	12	12271	161
##	ENSG00000040275	ENSG00000134516	ENSG00000204767	ENSG00000168269	ENSG00000043462
##	4217	121	1111	0	0
##	ENSG00000182132	ENSG00000145936	ENSG00000094755	ENSG00000204764	ENSG00000275038
##	1	0	0	1008	0
##	ENSG00000164438	ENSG00000181163	ENSG00000156427	ENSG00000185662	ENSG00000072803
##	0	72155	24	0	9950
##	ENSG00000072786	ENSG00000214360	ENSG00000168246	ENSG00000174705	ENSG00000214357
##	6277	3	3320	9863	568
##	ENSG00000120129	ENSG00000113719	ENSG00000037241	ENSG00000113732	ENSG00000164463
##	13521	30881	2115	16998	2431
##	ENSG00000113734	ENSG00000183072	ENSG00000113739	ENSG00000145919	ENSG00000113742
##	970	0	45187	6306	5548
##	ENSG00000185056	ENSG00000170091	ENSG00000120149	ENSG00000184845	ENSG00000164466
##	0	2	717	188	9577
##	ENSG00000113749	ENSG00000145920	ENSG00000051596	ENSG00000182230	ENSG00000170085
##	1	0	748	0	901
##	ENSG00000122203	ENSG00000175414	ENSG00000048162	ENSG00000146066	ENSG00000175416
##	15675	3678	1459	2257	8442
##	ENSG00000113194	ENSG00000146083	ENSG00000074276	ENSG00000169258	ENSG00000074317
##	7634	2132	117	1906	146
##	ENSG00000175766	ENSG00000048140	ENSG00000113763	ENSG00000160883	ENSG00000087206
##	0	8135	5	2	2794
##	ENSG00000113761	ENSG00000160867	ENSG00000165671	ENSG00000169228	ENSG00000213347
##	1344	124	7324	579	253
##	ENSG00000169230	ENSG00000169223	ENSG00000169220	ENSG00000131183	ENSG00000196570
##	5371	14302	74	0	0
##	ENSG00000131187	ENSG00000198055	ENSG00000131188	ENSG00000113758	ENSG00000196923
##	70	4080	722	43800	18571
##	ENSG00000146094	ENSG00000183258	ENSG00000146067	ENSG00000184840	ENSG00000027847
##	260	5424	1952	24857	3163
##	ENSG00000170074	ENSG00000175325	ENSG00000204677	ENSG00000145911	ENSG00000145916
##	1	0	1	32	1452
##	ENSG00000145912	ENSG00000197451	ENSG00000175309	ENSG00000050767	ENSG00000113240
##	2922	11924	947	0	893
##	ENSG00000169131	ENSG00000178338	ENSG00000198939	ENSG00000178187	ENSG00000113262
##	865	482	17	52	6
##	ENSG00000234284	ENSG00000177932	ENSG00000087116	ENSG00000176783	ENSG00000169045
##	159	1179	21383	3081	18907

##	ENSG00000204659	ENSG00000127022	ENSG00000161021	ENSG00000213316	ENSG00000161013
##	2	109635	4862	0	29324
##	ENSG00000161011	ENSG00000161010	ENSG00000197226	ENSG00000113269	ENSG00000146090
##	38675	927	14816	2513	4
##	ENSG00000050748	ENSG00000131459	ENSG00000113300	ENSG00000161055	ENSG00000037280
##	4607	6493	3150	2	20
##	ENSG00000174339	ENSG00000131446	ENSG00000196670	ENSG00000113303	ENSG00000168903
##	0	21774	932	0	0
##	ENSG00000165810	ENSG00000185372	ENSG00000182613	ENSG00000146054	ENSG00000146063
##	0	0	0	42	2818
##	ENSG00000204628	ENSG00000183718	ENSG00000230178	ENSG00000112679	ENSG00000137265
##	76484	589	0	1054	3
##	ENSG00000112685	ENSG00000188996	ENSG00000164379	ENSG00000137273	ENSG00000054598
##	4623	13	111	2537	2711
##	ENSG00000112699	ENSG00000145949	ENSG00000124535	ENSG00000021355	ENSG00000170542
##	1205	57	5879	1265	400
##	ENSG00000124570	ENSG00000124588	ENSG00000137275	ENSG00000137274	ENSG00000137267
##	8136	2141	3531	524	5914
##	ENSG00000137285	ENSG00000180822	ENSG00000137266	ENSG00000168994	ENSG00000145945
##	622	785	871	4651	465
##	ENSG00000112739	ENSG00000145975	ENSG00000185689	ENSG00000198721	ENSG00000153046
##	7297	8	22	3809	3700
##	ENSG00000124787	ENSG00000219607	ENSG00000214113	ENSG00000145982	ENSG00000124785
##	619	65	1301	701	8
##	ENSG00000124491	ENSG00000112799	ENSG00000124782	ENSG00000124783	ENSG00000164304
##	0	0	2960	28132	1
##	ENSG00000124784	ENSG00000096696	ENSG00000168566	ENSG00000153162	ENSG00000259040
##	1933	22582	2068	137	1
##	ENSG00000239264	ENSG00000188428	ENSG00000265818	ENSG00000124802	ENSG00000124786
##	878	874	0	885	4039
##	ENSG00000181355	ENSG00000137203	ENSG00000111846	ENSG00000137434	ENSG00000111845
##	1	422	522	7	1993
##	ENSG00000111843	ENSG00000137210	ENSG00000272162	ENSG00000111837	ENSG00000124827
##	7471	1827	0	23	0
##	ENSG00000153157	ENSG00000197977	ENSG00000224531	ENSG00000244476	ENSG00000111859
##	1	800	4105	0	2189
##	ENSG00000205269	ENSG00000111863	ENSG00000095951	ENSG00000078401	ENSG00000112137
##	232	119	3548	1145	12
##	ENSG00000145979	ENSG00000145990	ENSG00000124523	ENSG00000225921	ENSG00000010017
##	1317	533	490	4589	6390
##	ENSG00000050393	ENSG00000180537	ENSG00000112149	ENSG00000008083	ENSG00000047579
##	2372	653	150	4461	890
##	ENSG00000007944	ENSG00000137198	ENSG00000124788	ENSG00000230873	ENSG00000112183
##	270	546	3850	0	1555
##	ENSG00000112186	ENSG00000137414	ENSG00000124789	ENSG00000137177	ENSG00000187566
##	3468	3435	7164	10740	95
##	ENSG00000137364	ENSG00000165097	ENSG00000124795	ENSG00000137393	ENSG00000172201
##	2056	1788	8120	191	638
##	ENSG00000172197	ENSG00000112242	ENSG00000145996	ENSG00000124766	ENSG00000172179
##	87	3260	781	16324	2
##	ENSG00000112273	ENSG00000152954	ENSG00000146038	ENSG00000146049	ENSG00000124532
##	0	0	3	0	1881
##	ENSG00000112293	ENSG00000112294	ENSG00000137261	ENSG00000111802	ENSG00000112304
##	21	159	28	4039	1198

##	ENSG000000112308	ENSG000000112312	ENSG000000260286	ENSG000000282804	ENSG000000111913
##	12442	884	0	0	554
##	ENSG000000079691	ENSG000000079689	ENSG000000164508	ENSG000000146047	ENSG000000146039
##	547	0	0	0	0
##	ENSG000000124568	ENSG000000124564	ENSG000000112337	ENSG000000112343	ENSG000000124610
##	0	0	0	2811	0
##	ENSG000000275714	ENSG000000278637	ENSG000000278705	ENSG000000274267	ENSG000000278463
##	7	0	1	12	0
##	ENSG000000276410	ENSG000000278272	ENSG000000187837	ENSG00000010704	ENSG000000197061
##	3	6	1838	1032	9
##	ENSG000000187475	ENSG000000180596	ENSG000000180573	ENSG000000168298	ENSG000000158373
##	3	581	6796	5	1179
##	ENSG000000274290	ENSG000000277157	ENSG000000197409	ENSG000000196866	ENSG000000277224
##	6	9	135	51	8
##	ENSG000000276966	ENSG000000273802	ENSG000000277075	ENSG000000274750	ENSG000000124575
##	37	257	44	55	5
##	ENSG000000274618	ENSG000000275663	ENSG000000277775	ENSG000000275713	ENSG000000273983
##	0	0	5	22	9
##	ENSG000000278588	ENSG000000158406	ENSG000000186470	ENSG000000124508	ENSG000000026950
##	5	363	2237	1793	1717
##	ENSG000000111801	ENSG000000112763	ENSG000000124557	ENSG000000182952	ENSG000000146109
##	1539	8774	1	4941	1924
##	ENSG000000181315	ENSG000000124635	ENSG000000196787	ENSG000000276180	ENSG000000197903
##	992	362	221	1351	3486
##	ENSG000000274997	ENSG000000112812	ENSG000000158553	ENSG000000124613	ENSG000000096654
##	1	4	1	142	736
##	ENSG000000185130	ENSG000000196747	ENSG000000278828	ENSG000000276368	ENSG000000273703
##	3	48	190	0	1
##	ENSG000000197238	ENSG000000273542	ENSG000000233822	ENSG000000275221	ENSG000000276903
##	3	25	122	0	2
##	ENSG000000184357	ENSG000000275379	ENSG000000275126	ENSG000000197153	ENSG000000278677
##	7	5	1	3	0
##	ENSG000000274641	ENSG000000168131	ENSG000000124657	ENSG000000197279	ENSG000000196812
##	9	0	6	28	122
##	ENSG000000198315	ENSG000000137185	ENSG000000187626	ENSG000000189134	ENSG000000197062
##	3677	962	381	93	755
##	ENSG000000276302	ENSG000000137338	ENSG000000235109	ENSG000000189298	ENSG000000158691
##	3	581	139	460	610
##	ENSG000000187987	ENSG000000198704	ENSG000000224586	ENSG000000232040	ENSG000000204713
##	143	0	0	22	6670
##	ENSG000000197935	ENSG000000204704	ENSG000000204703	ENSG000000204701	ENSG000000204700
##	34	0	0	0	0
##	ENSG000000204695	ENSG000000243729	ENSG000000112462	ENSG000000168787	ENSG000000204694
##	0	0	0	0	0
##	ENSG000000279941	ENSG000000204688	ENSG000000204687	ENSG000000213886	ENSG000000204681
##	0	0	0	0	1217
##	ENSG000000204657	ENSG000000204655	ENSG000000204644	ENSG000000204642	ENSG000000204632
##	1	0	0	39	65
##	ENSG000000206503	ENSG000000066379	ENSG000000204619	ENSG000000204618	ENSG000000204616
##	33046	445	5117	93	2
##	ENSG000000204614	ENSG000000204613	ENSG000000204610	ENSG000000234127	ENSG000000204599
##	0	0	0	4155	734
##	ENSG000000248167	ENSG000000241370	ENSG000000204592	ENSG000000204590	ENSG000000204576
##	0	40	21267	8046	1114

##	ENSG00000204574	ENSG00000204569	ENSG00000204568	ENSG00000137343	ENSG00000204564
##	12226	7988	2923	831	716
##	ENSG00000204560	ENSG00000146112	ENSG00000137404	ENSG00000137337	ENSG00000196230
##	5340	23446	1038	2685	106824
##	ENSG00000137312	ENSG00000137331	ENSG00000204580	ENSG00000213780	ENSG00000137411
##	10478	15481	10212	21	1364
##	ENSG00000196260	ENSG00000168631	ENSG00000204544	ENSG00000261272	ENSG00000204542
##	0	0	0	0	0
##	ENSG00000204540	ENSG00000204539	ENSG00000204538	ENSG00000204536	ENSG00000137310
##	20	1	0	843	1480
##	ENSG00000204531	ENSG00000206344	ENSG00000204525	ENSG00000234745	ENSG00000204520
##	11	22	21704	20259	7084
##	ENSG00000204516	ENSG00000204511	ENSG00000198563	ENSG00000254870	ENSG00000213760
##	1505	0	4020	0	125
##	ENSG00000204498	ENSG00000226979	ENSG00000232810	ENSG00000227507	ENSG00000204482
##	919	1	1	1	2
##	ENSG00000204475	ENSG00000204472	ENSG00000204469	ENSG00000204463	ENSG00000204444
##	1	0	34470	25074	84
##	ENSG00000204439	ENSG00000204438	ENSG00000204435	ENSG00000263020	ENSG00000240053
##	1953	1663	2968	3	79
##	ENSG00000204428	ENSG00000204427	ENSG00000204422	ENSG00000204424	ENSG00000250641
##	148	210	0	0	0
##	ENSG00000255552	ENSG00000244355	ENSG00000204420	ENSG00000204421	ENSG00000213722
##	0	0	3	0	5308
##	ENSG00000213719	ENSG00000204410	ENSG00000255152	ENSG00000228727	ENSG00000204396
##	38026	47	0	4	55
##	ENSG00000204394	ENSG00000204392	ENSG00000204390	ENSG00000204389	ENSG00000204388
##	12106	1368	134	1877	2004
##	ENSG00000204387	ENSG00000204386	ENSG00000204385	ENSG00000204371	ENSG00000166278
##	10781	7976	2	4275	11
##	ENSG00000204366	ENSG00000244255	ENSG00000243649	ENSG00000204356	ENSG00000204351
##	590	0	32	4111	5472
##	ENSG00000204348	ENSG00000204344	ENSG00000244731	ENSG00000279546	ENSG00000224389
##	750	826	28	0	14
##	ENSG00000231852	ENSG00000168477	ENSG00000213676	ENSG00000204315	ENSG00000204314
##	2	51	8206	343	107
##	ENSG00000221988	ENSG00000258388	ENSG00000241404	ENSG00000204310	ENSG00000204308
##	981	20	34	7336	3181
##	ENSG00000204305	ENSG00000204304	ENSG00000213654	ENSG00000204301	ENSG00000204296
##	116	5093	897	55	0
##	ENSG00000204290	ENSG00000204287	ENSG00000198502	ENSG00000196126	ENSG00000196735
##	0	1	0	0	0
##	ENSG00000179344	ENSG00000237541	ENSG00000232629	ENSG00000241106	ENSG00000250264
##	0	0	0	31	1
##	ENSG00000204267	ENSG00000204264	ENSG00000240065	ENSG00000168394	ENSG00000242574
##	2757	1974	300	3051	78
##	ENSG00000248993	ENSG00000204257	ENSG00000204256	ENSG00000204252	ENSG00000231389
##	0	315	17288	2	1
##	ENSG00000223865	ENSG00000204248	ENSG00000204231	ENSG00000112473	ENSG00000204228
##	310	75	3308	35550	22
##	ENSG00000204227	ENSG00000223501	ENSG00000231500	ENSG00000235863	ENSG00000227057
##	3514	2855	71951	68	6196
##	ENSG00000204220	ENSG00000237441	ENSG00000231925	ENSG00000236104	ENSG00000204209
##	2096	3247	19239	2018	8204

##	ENSG00000237649	ENSG00000112511	ENSG00000112514	ENSG00000197283	ENSG00000213588
##	2039	4231	11507	2123	0
##	ENSG00000030110	ENSG00000096433	ENSG00000137288	ENSG00000161896	ENSG00000161904
##	3715	1569	1598	19	5472
##	ENSG00000096395	ENSG00000124493	ENSG00000137309	ENSG00000186577	ENSG00000272325
##	2	43	108827	2091	2387
##	ENSG00000270800	ENSG00000124614	ENSG00000124507	ENSG00000124664	ENSG00000196821
##	1	344	3	3	13882
##	ENSG00000124562	ENSG00000065060	ENSG00000064995	ENSG00000064999	ENSG00000124678
##	5543	1376	2296	3315	14
##	ENSG00000146197	ENSG00000065029	ENSG00000023892	ENSG00000112033	ENSG00000112039
##	10654	1666	77	10102	491
##	ENSG00000198755	ENSG00000007866	ENSG00000112041	ENSG00000096060	ENSG00000157343
##	35033	4732	5	1337	13
##	ENSG00000196748	ENSG00000204140	ENSG00000137392	ENSG00000197753	ENSG00000096063
##	0	0	0	1	8457
##	ENSG00000112053	ENSG00000112062	ENSG00000156711	ENSG00000096070	ENSG00000180316
##	11	6474	1180	6529	1
##	ENSG00000189325	ENSG00000010030	ENSG00000179165	ENSG00000112078	ENSG00000112079
##	0	31	0	13067	6118
##	ENSG00000112081	ENSG00000124762	ENSG00000255587	ENSG00000124772	ENSG00000137168
##	15747	176349	3	9	2363
##	ENSG00000198663	ENSG00000164530	ENSG00000137409	ENSG00000146192	ENSG00000137193
##	12552	42	31236	3	887
##	ENSG00000172738	ENSG00000065491	ENSG00000112130	ENSG00000137200	ENSG00000198937
##	297	1253	2264	4700	746
##	ENSG00000112139	ENSG00000156639	ENSG00000183826	ENSG00000124767	ENSG00000124721
##	3255	10446	4123	8991	1
##	ENSG00000112164	ENSG00000112167	ENSG00000164626	ENSG00000124780	ENSG00000095981
##	0	966	1	0	0
##	ENSG00000164627	ENSG00000146122	ENSG00000124615	ENSG00000156564	ENSG00000124602
##	23	1552	1109	0	2
##	ENSG00000124596	ENSG00000112212	ENSG00000124701	ENSG00000001167	ENSG00000161911
##	930	0	1	4137	0
##	ENSG00000095970	ENSG00000112195	ENSG00000188056	ENSG00000124731	ENSG00000096264
##	0	0	0	17	0
##	ENSG00000137166	ENSG00000112559	ENSG00000112561	ENSG00000096088	ENSG00000137218
##	3714	21	452	0	193
##	ENSG00000124593	ENSG00000278224	ENSG00000214736	ENSG00000164663	ENSG00000124641
##	132	2	0	570	2416
##	ENSG00000112578	ENSG00000112576	ENSG00000137413	ENSG00000188112	ENSG00000048545
##	2953	9718	1531	949	8
##	ENSG00000214732	ENSG00000112599	ENSG00000048544	ENSG00000124496	ENSG00000024048
##	0	51	4996	3533	5218
##	ENSG00000112619	ENSG00000124659	ENSG00000112624	ENSG00000146223	ENSG00000221821
##	107	2239	1376	16979	221
##	ENSG00000171611	ENSG00000137161	ENSG00000124713	ENSG00000124587	ENSG00000112640
##	1	3607	23	2769	6396
##	ENSG00000124733	ENSG00000124702	ENSG00000124541	ENSG00000044090	ENSG00000137171
##	4774	8781	5496	8971	1034
##	ENSG00000112651	ENSG00000112655	ENSG00000112658	ENSG00000112659	ENSG00000112667
##	1433	23401	7954	2390	956
##	ENSG00000146216	ENSG00000137204	ENSG00000146215	ENSG00000171467	ENSG00000124574
##	33	0	1	2939	4306

##	ENSG00000171462	ENSG00000137221	ENSG00000204052	ENSG00000171453	ENSG00000137207
##	102	2236	139	1513	20700
##	ENSG00000124571	ENSG00000170734	ENSG00000172432	ENSG00000124688	ENSG00000172426
##	5261	3626	5055	1689	24
##	ENSG00000096080	ENSG00000112715	ENSG00000181577	ENSG00000180992	ENSG00000137216
##	739	7161	1	2685	8079
##	ENSG00000137225	ENSG00000112759	ENSG00000096384	ENSG00000157593	ENSG00000146232
##	1	1115	102930	14373	1620
##	ENSG00000178233	ENSG00000272442	ENSG00000146221	ENSG00000124608	ENSG00000249481
##	9	4	41	1450	0
##	ENSG00000096401	ENSG00000196284	ENSG00000124813	ENSG00000112782	ENSG00000001561
##	5585	485	2483	1	91
##	ENSG00000112796	ENSG00000172348	ENSG00000146233	ENSG00000153291	ENSG00000180113
##	1	221	5	27	3
##	ENSG00000146070	ENSG00000230062	ENSG00000112818	ENSG00000069122	ENSG00000153292
##	0	0	0	0	0
##	ENSG00000146072	ENSG00000198087	ENSG00000164393	ENSG00000153294	ENSG00000124818
##	11108	5120	0	16	0
##	ENSG00000244694	ENSG00000146085	ENSG00000031691	ENSG00000203972	ENSG00000197261
##	991	2946	312	0	0
##	ENSG00000112077	ENSG00000124490	ENSG00000096006	ENSG00000170950	ENSG00000124812
##	0	0	0	1	0
##	ENSG00000214643	ENSG00000177684	ENSG00000214642	ENSG00000203970	ENSG00000180872
##	0	0	0	0	0
##	ENSG00000008197	ENSG00000008196	ENSG00000170927	ENSG00000112115	ENSG00000112116
##	0	0	0	0	0
##	ENSG00000112118	ENSG00000170915	ENSG00000096093	ENSG00000065308	ENSG00000096092
##	3414	499	1057	25020	970
##	ENSG00000244067	ENSG00000243955	ENSG00000182793	ENSG00000174156	ENSG00000170899
##	0	2	0	0	1390
##	ENSG00000112144	ENSG00000112146	ENSG00000137270	ENSG00000012660	ENSG00000001084
##	2061	6244	0	9373	5568
##	ENSG00000124743	ENSG00000137269	ENSG00000146147	ENSG00000137251	ENSG00000168143
##	17	1061	0	0	1
##	ENSG00000137252	ENSG00000187871	ENSG00000146151	ENSG00000112175	ENSG00000124749
##	2	0	2	2	18
##	ENSG00000151914	ENSG00000151917	ENSG00000168116	ENSG00000112200	ENSG00000112208
##	55221	997	1145	3389	4357
##	ENSG00000112210	ENSG00000146143	ENSG00000279892	ENSG00000112232	ENSG00000198225
##	3029	1372	0	0	199
##	ENSG00000146166	ENSG00000112245	ENSG00000118482	ENSG00000188107	ENSG00000135298
##	3	38224	5822	57	9
##	ENSG00000168216	ENSG00000082293	ENSG00000112280	ENSG00000082269	ENSG00000154079
##	1742	5	2	1076	338
##	ENSG00000112305	ENSG00000112309	ENSG00000119900	ENSG00000079841	ENSG00000185760
##	866	18	8977	202	475
##	ENSG00000243501	ENSG00000256980	ENSG00000135314	ENSG00000203909	ENSG00000203908
##	1	1	220	0	0
##	ENSG00000203907	ENSG00000080007	ENSG00000164430	ENSG00000135297	ENSG00000156508
##	0	11	367	1693	674646
##	ENSG00000119899	ENSG00000156535	ENSG00000111799	ENSG00000112695	ENSG00000112697
##	9429	6319	239533	6115	55287
##	ENSG00000118407	ENSG00000112701	ENSG00000196586	ENSG00000112706	ENSG00000135312
##	20	6847	7985	19	19

##	ENSG00000269964	ENSG00000146243	ENSG00000146247	ENSG00000118418	ENSG00000135338
##	6	187	6732	1187	759
##	ENSG00000198478	ENSG00000118402	ENSG00000281602	ENSG00000112742	ENSG00000083123
##	1450	1997	0	1125	961
##	ENSG00000112773	ENSG00000005700	ENSG00000146242	ENSG00000118420	ENSG00000083097
##	4002	9248	25290	364	1725
##	ENSG00000281446	ENSG00000013375	ENSG00000013392	ENSG00000065833	ENSG00000146250
##	0	12196	859	8962	1249
##	ENSG00000065609	ENSG00000203877	ENSG00000065615	ENSG00000135324	ENSG00000135315
##	4	2	1488	3	460
##	ENSG00000112837	ENSG00000135318	ENSG00000135317	ENSG00000271793	ENSG00000135316
##	64	62001	6186	0	21821
##	ENSG00000168830	ENSG00000135346	ENSG00000188994	ENSG00000164411	ENSG00000111850
##	0	8	3464	2	280
##	ENSG00000203872	ENSG00000272514	ENSG00000213204	ENSG00000164414	ENSG00000146282
##	20	1	22	482	4447
##	ENSG00000135336	ENSG00000135334	ENSG00000118434	ENSG00000118432	ENSG00000111880
##	2350	3204	0	1	2613
##	ENSG00000146278	ENSG00000154548	ENSG00000146281	ENSG00000146276	ENSG00000111886
##	3641	67	1285	0	10
##	ENSG00000198833	ENSG00000025039	ENSG00000135299	ENSG00000083099	ENSG00000112159
##	7780	37	22	3629	6511
##	ENSG00000118412	ENSG00000135355	ENSG00000112182	ENSG00000135341	ENSG00000135333
##	1602	0	246	6966	77
##	ENSG00000172469	ENSG00000172461	ENSG00000014123	ENSG00000112214	ENSG00000112218
##	1860	0	3347	0	278
##	ENSG00000123545	ENSG00000186231	ENSG00000146263	ENSG00000184486	ENSG00000112234
##	1445	1	817	2	1791
##	ENSG00000146267	ENSG00000132423	ENSG00000132424	ENSG00000123552	ENSG00000112237
##	173	394	5292	1443	4208
##	ENSG00000112238	ENSG00000152034	ENSG00000112246	ENSG00000112249	ENSG00000164418
##	2	1	1	21024	1833
##	ENSG00000085382	ENSG00000187772	ENSG00000112276	ENSG00000132429	ENSG00000085377
##	2249	1	3319	1994	4429
##	ENSG00000057657	ENSG00000057663	ENSG00000112297	ENSG00000130347	ENSG00000130348
##	4414	2824	954	524	1252
##	ENSG00000272398	ENSG00000130349	ENSG00000178409	ENSG00000164494	ENSG00000112320
##	22	972	587	1833	661
##	ENSG00000146285	ENSG00000025796	ENSG00000081087	ENSG00000112333	ENSG00000112335
##	0	13711	7300	0	12717
##	ENSG00000135537	ENSG00000118689	ENSG00000118690	ENSG00000080546	ENSG00000183137
##	230	5439	180	2326	833
##	ENSG00000135535	ENSG00000185250	ENSG00000135587	ENSG00000135596	ENSG00000112365
##	36607	21	303	6781	963
##	ENSG00000155085	ENSG00000112367	ENSG00000146360	ENSG00000112290	ENSG00000168438
##	313	1275	0	1723	2737
##	ENSG00000053328	ENSG00000203797	ENSG00000004809	ENSG00000155111	ENSG00000123505
##	0	6	1	3600	8693
##	ENSG00000155115	ENSG00000197498	ENSG00000112394	ENSG00000173214	ENSG00000009413
##	5081	2375	0	1224	4873
##	ENSG00000056972	ENSG00000010810	ENSG00000112761	ENSG00000074935	ENSG00000203778
##	1116	2623	3	635	894
##	ENSG00000112769	ENSG00000281613	ENSG00000251258	ENSG00000277443	ENSG00000196591
##	18625	0	0	16684	15572

##	ENSG00000249853	ENSG00000111816	ENSG00000178425	ENSG00000123500	ENSG00000187189
##	31	29	1603	32	4954
##	ENSG00000111817	ENSG00000189241	ENSG00000188820	ENSG00000173626	ENSG00000178033
##	10872	8328	19	2	4737
##	ENSG00000164451	ENSG00000111832	ENSG00000111834	ENSG00000153975	ENSG00000196911
##	0	4693	31	1015	1197
##	ENSG00000183807	ENSG00000173612	ENSG00000185002	ENSG00000170162	ENSG00000047936
##	144	0	0	0	18
##	ENSG00000282218	ENSG00000164465	ENSG00000047932	ENSG00000153989	ENSG00000196376
##	0	18471	7607	6491	24
##	ENSG00000111860	ENSG00000198523	ENSG00000111877	ENSG00000111875	ENSG00000111879
##	1212	82	517	1448	12
##	ENSG00000111885	ENSG00000146350	ENSG00000152661	ENSG00000025156	ENSG00000111897
##	6516	329	52612	1275	36512
##	ENSG00000135549	ENSG00000164434	ENSG00000172594	ENSG00000146352	ENSG00000186439
##	283	0	2209	0	0
##	ENSG00000188580	ENSG00000146373	ENSG00000111907	ENSG00000111906	ENSG00000135547
##	9	2326	251	2026	0
##	ENSG00000111912	ENSG00000111911	ENSG00000066651	ENSG00000203760	ENSG00000146374
##	3373	3148	865	650	14
##	ENSG00000118518	ENSG00000093144	ENSG00000255330	ENSG00000189367	ENSG00000214338
##	2503	4362	7	13	4
##	ENSG00000184530	ENSG00000172673	ENSG00000152894	ENSG00000196569	ENSG00000146376
##	9	6	30829	7105	3816
##	ENSG00000203756	ENSG00000198945	ENSG00000164483	ENSG00000164484	ENSG00000256162
##	11	2647	113	10425	11
##	ENSG00000079819	ENSG00000118507	ENSG00000118520	ENSG00000112282	ENSG00000154269
##	16871	222	4	4671	3
##	ENSG00000180658	ENSG00000236761	ENSG00000197594	ENSG00000118523	ENSG00000079931
##	0	0	2220	66646	2197
##	ENSG00000079950	ENSG00000237110	ENSG00000146385	ENSG00000146383	ENSG00000135569
##	4903	0	0	0	0
##	ENSG00000146378	ENSG00000146399	ENSG00000112299	ENSG00000093134	ENSG00000112303
##	0	0	17	0	6
##	ENSG00000146409	ENSG00000112306	ENSG00000112319	ENSG00000118526	ENSG00000028839
##	772	39150	3632	1764	2407
##	ENSG00000146411	ENSG00000118515	ENSG00000118514	ENSG00000112339	ENSG00000118513
##	475	9285	22	6893	14
##	ENSG00000135541	ENSG00000171408	ENSG00000146410	ENSG00000029363	ENSG00000135525
##	3192	621	183	13480	201
##	ENSG00000197442	ENSG00000112357	ENSG00000182747	ENSG00000016402	ENSG00000164485
##	6559	444	1	3	0
##	ENSG00000027697	ENSG00000177468	ENSG00000118503	ENSG00000112378	ENSG00000112379
##	2480	0	1190	20810	12
##	ENSG00000254440	ENSG00000051620	ENSG00000135540	ENSG00000279968	ENSG00000024862
##	0	3888	1145	28	645
##	ENSG00000203734	ENSG00000135597	ENSG00000146386	ENSG00000112406	ENSG00000164440
##	9	2843	2674	2805	41
##	ENSG00000164442	ENSG00000135577	ENSG00000203733	ENSG00000009844	ENSG00000112414
##	22601	0	0	6309	2434
##	ENSG00000010818	ENSG00000146416	ENSG00000189007	ENSG00000034693	ENSG00000001036
##	5009	1035	389	902	6616
##	ENSG00000112419	ENSG00000257065	ENSG00000135521	ENSG00000280148	ENSG00000118491
##	10379	1	1808	0	0

##	ENSG00000118495	ENSG00000169976	ENSG00000135604	ENSG00000152818	ENSG00000112425
##	3242	4716	41	8052	401
##	ENSG00000280184	ENSG00000118496	ENSG00000146414	ENSG00000152822	ENSG00000118508
##	27	3128	1589	0	5013
##	ENSG00000118492	ENSG00000164506	ENSG00000203727	ENSG00000111961	ENSG00000111962
##	0	6074	680	7927	3647
##	ENSG00000055208	ENSG00000177688	ENSG00000178199	ENSG00000131013	ENSG00000055211
##	7713	3	8	2982	5123
##	ENSG00000186625	ENSG00000131023	ENSG00000278899	ENSG00000120253	ENSG00000120265
##	1218	3214	11	2564	5612
##	ENSG00000120256	ENSG00000164520	ENSG00000203722	ENSG00000131015	ENSG00000111981
##	10346	11	354	1279	496
##	ENSG00000155918	ENSG00000131019	ENSG00000198729	ENSG00000009765	ENSG00000120278
##	3	606	8	0	177
##	ENSG00000120254	ENSG00000131016	ENSG00000181472	ENSG00000155906	ENSG00000146476
##	7107	24056	3218	1328	3557
##	ENSG00000120262	ENSG00000091831	ENSG00000131018	ENSG00000120279	ENSG00000146469
##	99	17	10203	36	2
##	ENSG00000112029	ENSG00000112031	ENSG00000091844	ENSG00000112038	ENSG00000074706
##	890	2923	3142	0	6
##	ENSG00000153721	ENSG00000213079	ENSG00000146426	ENSG00000029639	ENSG00000171217
##	1771	4072	466	1630	23
##	ENSG00000074771	ENSG00000049618	ENSG00000215712	ENSG00000175048	ENSG00000130340
##	1	7839	1416	812	17746
##	ENSG00000078269	ENSG00000122335	ENSG00000272047	ENSG00000130338	ENSG00000146433
##	14945	962	2244	3114	6885
##	ENSG00000146425	ENSG00000164674	ENSG00000092820	ENSG00000130363	ENSG00000164691
##	5948	263	8702	1311	2
##	ENSG00000164694	ENSG00000112096	ENSG00000146457	ENSG00000120437	ENSG00000120438
##	183	12074	4615	1850	21859
##	ENSG00000112110	ENSG00000146453	ENSG00000130368	ENSG00000197081	ENSG00000175003
##	3327	3	0	66511	18
##	ENSG00000112499	ENSG00000146477	ENSG00000198670	ENSG00000122194	ENSG00000085511
##	0	0	0	0	3247
##	ENSG00000026652	ENSG00000185345	ENSG00000112530	ENSG00000112531	ENSG00000112539
##	1466	10	1	14239	1
##	ENSG00000112541	ENSG00000164458	ENSG00000176381	ENSG00000198818	ENSG00000060762
##	1244	0	5	3404	1359
##	ENSG00000071242	ENSG00000249141	ENSG00000026297	ENSG00000213066	ENSG00000112486
##	14452	0	584	697	0
##	ENSG00000166984	ENSG00000120436	ENSG00000112494	ENSG00000120440	ENSG00000203690
##	0	0	0	0	0
##	ENSG00000130396	ENSG00000125337	ENSG00000153303	ENSG00000164488	ENSG00000112562
##	2876	2	0	0	0
##	ENSG00000186340	ENSG00000184465	ENSG00000185127	ENSG00000130024	ENSG00000184786
##	14022	726	7498	3303	66
##	ENSG00000130023	ENSG00000198719	ENSG00000112584	ENSG00000008018	ENSG00000112592
##	758	70	4550	12553	1258
##	ENSG00000071994	ENSG00000177706	ENSG00000197461	ENSG00000188191	ENSG00000164818
##	4379	8581	395	1281	3097
##	ENSG00000164828	ENSG00000239857	ENSG00000105963	ENSG00000240230	ENSG00000073067
##	10403	255	210	1331	0
##	ENSG00000146540	ENSG00000164849	ENSG00000164850	ENSG00000178381	ENSG00000164853
##	5274	19	404	1010	0

##	ENSG00000164877	ENSG00000164880	ENSG00000198517	ENSG00000164855	ENSG00000157778
##	2615	16333	6783	52	1476
##	ENSG00000225968	ENSG00000002822	ENSG00000122687	ENSG00000106268	ENSG00000106266
##	1822	3409	2508	948	6308
##	ENSG00000106263	ENSG00000136213	ENSG00000275572	ENSG00000106003	ENSG00000106009
##	23537	3422	0	192	3371
##	ENSG00000106012	ENSG00000136295	ENSG00000174945	ENSG00000146535	ENSG00000198286
##	2492	58195	366	13063	77
##	ENSG00000146555	ENSG00000164916	ENSG00000242802	ENSG00000157927	ENSG00000218823
##	484	9770	5558	17	0
##	ENSG00000136297	ENSG00000272968	ENSG00000146587	ENSG00000157954	ENSG00000164638
##	0	0	2049	9973	1995
##	ENSG00000182095	ENSG00000155034	ENSG00000075624	ENSG00000075618	ENSG00000011275
##	14599	2432	537043	47302	7943
##	ENSG00000122543	ENSG00000122674	ENSG00000155026	ENSG00000122512	ENSG00000106305
##	0	531	2	773	1565
##	ENSG00000086232	ENSG00000157999	ENSG00000106346	ENSG00000008256	ENSG00000178397
##	10492	45	1600	4087	1632
##	ENSG00000136238	ENSG00000164535	ENSG00000136240	ENSG00000215045	ENSG00000136247
##	28169	3361	52623	0	1805
##	ENSG00000146576	ENSG00000236609	ENSG00000205903	ENSG00000164631	ENSG00000169402
##	2046	1150	3385	2779	0
##	ENSG00000146574	ENSG00000106392	ENSG00000215018	ENSG00000164654	ENSG00000106399
##	1254	2753	12	1428	565
##	ENSG00000106415	ENSG00000003147	ENSG00000122584	ENSG00000189043	ENSG00000106443
##	1830	2	0	9331	2682
##	ENSG00000005108	ENSG00000106460	ENSG00000146530	ENSG00000006747	ENSG00000122644
##	286	8075	3	5	842
##	ENSG00000006468	ENSG00000136267	ENSG00000187546	ENSG00000106511	ENSG00000214960
##	6786	4	1	1	275
##	ENSG00000171243	ENSG00000205858	ENSG00000106524	ENSG00000136261	ENSG00000106537
##	1	0	2007	6269	2656
##	ENSG00000280130	ENSG00000106541	ENSG00000173467	ENSG00000106546	ENSG00000071189
##	0	0	0	9800	4470
##	ENSG00000229937	ENSG00000048052	ENSG00000122691	ENSG00000146618	ENSG00000105849
##	1	900	1586	0	2252
##	ENSG00000173452	ENSG00000183742	ENSG00000105855	ENSG00000004846	ENSG00000164651
##	0	2	943	0	0
##	ENSG00000105866	ENSG00000105877	ENSG00000164649	ENSG00000136237	ENSG00000105889
##	425	28	962	11	321
##	ENSG00000136244	ENSG00000281889	ENSG00000196683	ENSG00000122591	ENSG00000122550
##	1743	1	6553	11283	5187
##	ENSG00000136243	ENSG00000136235	ENSG00000156928	ENSG00000136231	ENSG00000164548
##	1388	183	2383	12902	4729
##	ENSG00000169193	ENSG00000279448	ENSG00000188732	ENSG00000196335	ENSG00000122585
##	569	2	55	1	0
##	ENSG00000105926	ENSG00000105928	ENSG00000070882	ENSG00000172115	ENSG00000153790
##	1473	4159	6571	11691	177
##	ENSG00000105954	ENSG00000050344	ENSG00000122566	ENSG00000122565	ENSG00000086300
##	0	4359	53765	13197	0
##	ENSG00000005020	ENSG00000105991	ENSG00000105996	ENSG00000105997	ENSG00000197576
##	4744	85	123	534	67
##	ENSG00000106004	ENSG00000106006	ENSG00000122592	ENSG00000078399	ENSG00000257184
##	779	22	50	18	0

##	ENSG00000253293	ENSG00000005073	ENSG00000106031	ENSG00000106038	ENSG00000106049
##	15	6	2	0	3106
##	ENSG00000106052	ENSG00000153814	ENSG00000146592	ENSG00000255690	ENSG00000106066
##	14460	1508	811	13	0
##	ENSG00000106069	ENSG00000176532	ENSG00000122574	ENSG00000136193	ENSG00000106080
##	1	0	1	23498	10464
##	ENSG00000106086	ENSG00000180354	ENSG00000180233	ENSG00000281593	ENSG00000106100
##	2551	1668	111	0	211
##	ENSG00000006625	ENSG00000281039	ENSG00000106105	ENSG00000106113	ENSG00000241644
##	997	0	31673	9	130
##	ENSG00000254959	ENSG00000106125	ENSG00000250424	ENSG00000240583	ENSG00000106128
##	0	58	0	41	0
##	ENSG00000078549	ENSG00000164600	ENSG00000180347	ENSG00000106341	ENSG00000154678
##	0	0	0	0	4082
##	ENSG00000106355	ENSG00000105778	ENSG00000170852	ENSG00000122642	ENSG00000122643
##	1493	5512	3953	20477	1868
##	ENSG00000164610	ENSG00000122507	ENSG00000164619	ENSG00000187258	ENSG00000173852
##	919	2193	1508	0	5260
##	ENSG00000164532	ENSG00000122557	ENSG00000122545	ENSG00000122547	ENSG00000164542
##	17	2604	20947	733	37
##	ENSG00000011426	ENSG00000136250	ENSG00000155849	ENSG00000187037	ENSG00000086289
##	9346	0	6	0	25
##	ENSG00000086288	ENSG00000106483	ENSG00000010270	ENSG00000078053	ENSG00000006715
##	0	0	6148	469	8529
##	ENSG00000106536	ENSG00000241127	ENSG00000006451	ENSG00000065883	ENSG00000168303
##	0	901	9207	6034	1874
##	ENSG00000175600	ENSG00000122641	ENSG00000106571	ENSG00000136197	ENSG00000256646
##	687	52772	1922	45	0
##	ENSG00000106588	ENSG00000106591	ENSG00000002746	ENSG00000164543	ENSG00000106603
##	333	2848	131	13664	2585
##	ENSG00000106605	ENSG00000270617	ENSG00000062582	ENSG00000106608	ENSG00000078967
##	1931	0	141	3423	820
##	ENSG00000136206	ENSG00000136279	ENSG00000164708	ENSG00000122678	ENSG00000106624
##	11	8400	0	546	1073
##	ENSG00000106628	ENSG00000106631	ENSG00000106633	ENSG00000106636	ENSG00000058404
##	6019	1	13	22694	37
##	ENSG00000015676	ENSG00000015520	ENSG00000136271	ENSG00000158604	ENSG00000105953
##	8184	24	3871	8254	8739
##	ENSG00000122515	ENSG00000196262	ENSG00000105968	ENSG00000146676	ENSG00000136286
##	6226	59765	7782	10947	2
##	ENSG00000136280	ENSG00000136274	ENSG00000136270	ENSG00000122679	ENSG00000164742
##	5934	1060	4786	0	67
##	ENSG00000146678	ENSG00000146674	ENSG00000136205	ENSG00000136273	ENSG00000158683
##	11	18691	22344	1353	53
##	ENSG00000164744	ENSG00000164746	ENSG00000183696	ENSG00000179869	ENSG00000188730
##	0	1	1874	42	0
##	ENSG00000042813	ENSG00000164500	ENSG00000185811	ENSG00000132436	ENSG00000132437
##	0	0	3	943	0
##	ENSG00000106070	ENSG00000106078	ENSG00000221900	ENSG00000170419	ENSG00000132432
##	3506	0	0	0	7215
##	ENSG00000146648	ENSG00000132434	ENSG00000154978	ENSG00000154997	ENSG00000249773
##	36669	1784	8002	0	2
##	ENSG00000178665	ENSG00000146729	ENSG00000239789	ENSG00000146733	ENSG00000146731
##	139	2917	286	1846	20145

##	ENSG00000129103	ENSG00000164776	ENSG00000106153	ENSG00000185290	ENSG00000268187
##	5524	24	16026	0	0
##	ENSG00000185177	ENSG00000182111	ENSG00000275217	ENSG00000214652	ENSG00000223614
##	0	0	0	0	0
##	ENSG00000197123	ENSG00000234444	ENSG00000173041	ENSG00000196247	ENSG00000197008
##	0	1006	472	556	268
##	ENSG00000198039	ENSG00000152926	ENSG00000213462	ENSG00000280410	ENSG00000146757
##	168	755	689	0	820
##	ENSG00000280427	ENSG00000196715	ENSG00000169919	ENSG00000126522	ENSG00000249319
##	0	6620	1937	1855	3
##	ENSG00000241258	ENSG00000169902	ENSG00000243335	ENSG00000154710	ENSG00000106609
##	3155	5396	1870	329	11931
##	ENSG00000126524	ENSG00000198874	ENSG00000158321	ENSG00000185274	ENSG00000183166
##	8800	1864	719	0	0
##	ENSG00000277149	ENSG00000196313	ENSG00000155428	ENSG00000130305	ENSG00000146755
##	83	4201	2	1317	0
##	ENSG00000077800	ENSG00000188763	ENSG00000009954	ENSG00000106635	ENSG00000106638
##	2	247	11614	3874	5099
##	ENSG00000009950	ENSG00000176428	ENSG00000176410	ENSG00000071462	ENSG00000106089
##	0	412	1146	4831	954
##	ENSG00000106077	ENSG00000165215	ENSG00000189143	ENSG00000165171	ENSG00000175877
##	663	4	108	104	0
##	ENSG00000049540	ENSG00000106683	ENSG00000106682	ENSG00000086730	ENSG00000049541
##	8091	10733	34133	93	1261
##	ENSG00000106665	ENSG00000006704	ENSG00000263001	ENSG00000158517	ENSG00000196275
##	20152	2293	3695	1	104
##	ENSG00000274070	ENSG00000274523	ENSG00000174428	ENSG00000178809	ENSG00000272391
##	379	5289	359	12	4144
##	ENSG00000170092	ENSG00000127946	ENSG00000006606	ENSG00000106178	ENSG00000005486
##	72	8008	43	2	6628
##	ENSG00000127948	ENSG00000189077	ENSG00000127952	ENSG00000146701	ENSG00000177679
##	5589	2176	1699	17358	657
##	ENSG00000106211	ENSG00000170027	ENSG00000146700	ENSG00000188372	ENSG00000091073
##	39927	46515	28	26	1051
##	ENSG00000243566	ENSG00000185040	ENSG00000146707	ENSG00000135205	ENSG00000127951
##	1	1	271	175	2393
##	ENSG00000186088	ENSG00000127947	ENSG00000187257	ENSG00000135211	ENSG00000006576
##	275	11691	1905	1081	10390
##	ENSG00000187391	ENSG00000127955	ENSG00000135218	ENSG00000214415	ENSG00000075223
##	1159	7773	207	0	6442
##	ENSG00000019991	ENSG00000153956	ENSG00000186472	ENSG00000170381	ENSG00000075213
##	15082	9770	15	210	34924
##	ENSG00000153993	ENSG00000198822	ENSG00000164659	ENSG00000135164	ENSG00000135185
##	756	0	94	3817	1537
##	ENSG00000005469	ENSG00000005471	ENSG00000085563	ENSG00000105784	ENSG00000075303
##	2569	4	252	33	624
##	ENSG00000006634	ENSG00000008277	ENSG00000075142	ENSG00000127954	ENSG00000182348
##	1160	59	4790	0	0
##	ENSG00000164645	ENSG00000164647	ENSG00000157214	ENSG00000105792	ENSG00000105793
##	0	265	325	115	1613
##	ENSG00000157224	ENSG00000058091	ENSG00000157240	ENSG00000127989	ENSG00000127914
##	4299	5006	4950	784	8820
##	ENSG00000001630	ENSG00000240720	ENSG00000001631	ENSG00000001629	ENSG00000157259
##	508	2	2114	8680	2948

##	ENSG00000242950	ENSG00000127980	ENSG00000127993	ENSG00000234545	ENSG00000105810
##	7	1278	729	1226	27677
##	ENSG00000205413	ENSG00000177409	ENSG00000188175	ENSG00000004766	ENSG00000004948
##	1912	1800	2	1566	0
##	ENSG00000127928	ENSG00000105825	ENSG00000127920	ENSG00000105829	ENSG00000164692
##	0	53542	14893	3347	1424173
##	ENSG00000127995	ENSG00000127990	ENSG00000242265	ENSG00000158528	ENSG00000005421
##	881	1803	6795	2	0
##	ENSG00000105852	ENSG00000105854	ENSG00000005981	ENSG00000004799	ENSG00000158560
##	0	5207	0	636	66
##	ENSG00000004864	ENSG00000127922	ENSG00000006377	ENSG00000105880	ENSG00000196636
##	2538	5349	0	0	446
##	ENSG00000006128	ENSG00000070669	ENSG00000135175	ENSG00000164715	ENSG00000180535
##	0	5591	0	2789	20
##	ENSG00000205356	ENSG00000164713	ENSG00000006453	ENSG00000106236	ENSG00000166448
##	3933	7496	807	4	813
##	ENSG00000196367	ENSG00000198742	ENSG00000185467	ENSG00000241685	ENSG00000130429
##	10102	8435	2	16937	10561
##	ENSG00000106244	ENSG00000106245	ENSG00000106246	ENSG00000248919	ENSG00000160917
##	11993	3271	249	0	2182
##	ENSG00000241468	ENSG00000198556	ENSG00000160908	ENSG00000196652	ENSG00000221909
##	3164	435	1370	2662	713
##	ENSG00000197343	ENSG00000272647	ENSG00000197037	ENSG00000106258	ENSG00000282301
##	5113	0	1267	33	0
##	ENSG00000160870	ENSG00000160868	ENSG00000021461	ENSG00000244623	ENSG00000146833
##	4	1	1	2	2381
##	ENSG00000176402	ENSG00000160862	ENSG00000106261	ENSG00000166529	ENSG00000166526
##	6	0	10839	372	2569
##	ENSG00000168090	ENSG00000166508	ENSG00000221838	ENSG00000106290	ENSG00000166997
##	10838	6660	1819	3767	1868
##	ENSG00000214309	ENSG00000188186	ENSG00000146826	ENSG00000197093	ENSG00000213420
##	224	2733	2343	722	418
##	ENSG00000066923	ENSG00000239521	ENSG00000213413	ENSG00000214300	ENSG00000272752
##	149	616	14	378	3
##	ENSG00000121716	ENSG00000085514	ENSG00000078487	ENSG00000146834	ENSG00000160813
##	40	2	95	4061	392
##	ENSG00000185955	ENSG00000166925	ENSG00000166924	ENSG00000106351	ENSG00000205307
##	21	9162	52	922	0
##	ENSG00000077454	ENSG00000106336	ENSG00000106333	ENSG00000106330	ENSG00000106327
##	1514	25	16443	1453	17
##	ENSG00000077080	ENSG00000172354	ENSG00000146830	ENSG00000172336	ENSG00000130427
##	1	20767	4975	1785	0
##	ENSG00000146839	ENSG00000196411	ENSG00000146828	ENSG00000087077	ENSG00000087087
##	2	7869	3655	7068	8935
##	ENSG00000176125	ENSG00000087085	ENSG00000169894	ENSG00000205277	ENSG00000169876
##	104	78	0	110	0
##	ENSG00000169871	ENSG00000106366	ENSG00000106367	ENSG00000128564	ENSG00000167011
##	8179	257527	10132	420	5
##	ENSG00000106384	ENSG00000106397	ENSG00000106400	ENSG00000106404	ENSG00000214253
##	0	26290	5956	282	5739
##	ENSG00000128581	ENSG00000160963	ENSG00000106436	ENSG00000279538	ENSG00000257923
##	1427	10	1	0	11781
##	ENSG00000160999	ENSG00000260097	ENSG00000128563	ENSG00000160991	ENSG00000160993
##	246	40	1858	12873	921

##	ENSG00000161036	ENSG00000005075	ENSG00000170667	ENSG00000168255	ENSG00000270249
##	3924	2917	5	216	0
##	ENSG00000205238	ENSG00000105808	ENSG00000205236	ENSG00000267368	ENSG00000267645
##	27	60	0	0	0
##	ENSG00000173678	ENSG00000228049	ENSG00000279168	ENSG00000222011	ENSG00000161040
##	3	18	0	193	46
##	ENSG00000128606	ENSG00000170632	ENSG00000161048	ENSG00000105819	ENSG00000105821
##	33291	1973	698	4242	2666
##	ENSG00000161057	ENSG00000170615	ENSG00000189056	ENSG00000164815	ENSG00000187416
##	10493	5	9386	1145	1
##	ENSG00000005483	ENSG00000135250	ENSG00000091127	ENSG00000135249	ENSG00000185055
##	7424	4773	1537	2465	41
##	ENSG00000146776	ENSG00000128536	ENSG00000008282	ENSG00000105835	ENSG00000253276
##	764	176	9090	9456	5910
##	ENSG00000105851	ENSG00000005249	ENSG00000105856	ENSG00000164597	ENSG00000172209
##	11	2609	5213	3565	1
##	ENSG00000105865	ENSG00000075790	ENSG00000091137	ENSG00000105879	ENSG00000091138
##	385	5483	28	2851	0
##	ENSG00000091140	ENSG00000091136	ENSG00000091128	ENSG00000091129	ENSG00000135241
##	8435	85232	58	94	3550
##	ENSG00000177683	ENSG00000128590	ENSG00000184903	ENSG00000173114	ENSG00000128512
##	1822	4915	239	5701	5398
##	ENSG00000198839	ENSG00000006652	ENSG00000181016	ENSG00000146802	ENSG00000164603
##	1656	4234	46	2691	2102
##	ENSG00000164604	ENSG00000154415	ENSG00000128573	ENSG00000135272	ENSG00000105967
##	233	0	290	9138	35
##	ENSG00000135269	ENSG00000281656	ENSG00000105971	ENSG00000105974	ENSG00000105976
##	5445	1	21690	98929	5765
##	ENSG00000198898	ENSG00000004866	ENSG00000105989	ENSG00000154438	ENSG00000001626
##	13073	1970	127	0	52
##	ENSG00000077063	ENSG00000128534	ENSG00000106013	ENSG00000184408	ENSG00000106025
##	1233	1682	7	548	645
##	ENSG00000071243	ENSG00000106034	ENSG00000002745	ENSG00000196937	ENSG00000106278
##	876	8156	2216	7656	2
##	ENSG00000008311	ENSG00000128610	ENSG00000081803	ENSG00000188050	ENSG00000235631
##	1048	0	75	0	0
##	ENSG00000128519	ENSG00000081800	ENSG00000164675	ENSG00000128609	ENSG00000146809
##	0	0	37	3713	0
##	ENSG00000170807	ENSG00000106299	ENSG00000106302	ENSG00000106304	ENSG00000234224
##	0	6434	0	0	0
##	ENSG00000170775	ENSG00000275356	ENSG00000128513	ENSG00000179603	ENSG00000048405
##	4537	0	856	3	2073
##	ENSG00000179562	ENSG00000004059	ENSG00000106328	ENSG00000106331	ENSG00000197157
##	3227	6390	1	0	42416
##	ENSG00000128594	ENSG00000174697	ENSG00000106344	ENSG00000224940	ENSG00000106348
##	122	0	2939	2	9553
##	ENSG00000279916	ENSG00000135245	ENSG00000165055	ENSG00000205085	ENSG00000135248
##	0	649	1954	118	7
##	ENSG00000128595	ENSG00000128617	ENSG00000128596	ENSG00000128591	ENSG00000135253
##	131410	442	1274	139915	14
##	ENSG00000128524	ENSG00000128604	ENSG00000064419	ENSG00000158457	ENSG00000128602
##	7553	7	8186	9	5020
##	ENSG00000158467	ENSG00000128578	ENSG00000240204	ENSG00000106459	ENSG00000186591
##	1287	345	0	1092	19604

##	ENSG00000091732	ENSG00000128607	ENSG00000146842	ENSG00000165120	ENSG00000158516
##	1337	6107	1347	2	3
##	ENSG00000128510	ENSG00000158525	ENSG00000091704	ENSG00000106477	ENSG00000106484
##	6851	8	0	1534	12187
##	ENSG00000158623	ENSG00000213265	ENSG00000266265	ENSG00000128585	ENSG00000128567
##	2927	0	13	7123	1152
##	ENSG00000221866	ENSG00000106554	ENSG00000131558	ENSG00000155530	ENSG00000205060
##	26	4648	5698	7	2768
##	ENSG00000085662	ENSG00000198074	ENSG00000227471	ENSG00000172331	ENSG00000122786
##	16255	209	1	7228	94498
##	ENSG00000146856	ENSG00000122783	ENSG00000146859	ENSG00000105875	ENSG00000146857
##	51	1185	719	863	0
##	ENSG00000080802	ENSG00000155561	ENSG00000243317	ENSG00000164707	ENSG00000189320
##	2826	6655	7682	39	218
##	ENSG00000105887	ENSG00000267697	ENSG00000181072	ENSG00000105894	ENSG00000157680
##	30246	0	32998	15319	8603
##	ENSG00000279483	ENSG00000182158	ENSG00000122787	ENSG00000122779	ENSG00000157703
##	233	21837	2	2247	0
##	ENSG00000105929	ENSG00000214128	ENSG00000122778	ENSG00000146858	ENSG00000105939
##	7	0	2529	550	4787
##	ENSG00000105948	ENSG00000157741	ENSG00000164898	ENSG00000146963	ENSG00000269955
##	576	1577	50	2241	0
##	ENSG00000188883	ENSG00000236279	ENSG00000064393	ENSG00000059377	ENSG00000059378
##	4	8	41881	4095	584
##	ENSG00000006459	ENSG00000157800	ENSG00000146955	ENSG00000133606	ENSG00000146966
##	1591	5074	0	8961	2170
##	ENSG00000133597	ENSG00000090266	ENSG00000157764	ENSG00000090263	ENSG00000261115
##	634	3102	2674	1345	254
##	ENSG00000006530	ENSG00000257093	ENSG00000214102	ENSG00000106028	ENSG00000127362
##	2013	998	1	4784	2
##	ENSG00000127364	ENSG00000127366	ENSG00000165076	ENSG00000257335	ENSG00000258083
##	6	14	0	3	0
##	ENSG00000258227	ENSG00000257138	ENSG00000257743	ENSG00000258223	ENSG00000270672
##	0	0	0	0	8
##	ENSG00000275896	ENSG00000204983	ENSG00000106123	ENSG00000165125	ENSG00000127412
##	0	0	53	0	0
##	ENSG00000165131	ENSG00000197993	ENSG00000179468	ENSG00000225781	ENSG00000159763
##	0	1	0	0	0
##	ENSG00000236398	ENSG00000221937	ENSG00000197448	ENSG00000178826	ENSG00000106144
##	0	0	4322	7	3316
##	ENSG00000188037	ENSG00000159784	ENSG00000159840	ENSG00000146904	ENSG00000185899
##	0	1239	45552	34	0
##	ENSG00000221855	ENSG00000271079	ENSG00000170379	ENSG00000271321	ENSG00000198420
##	0	0	164	0	6001
##	ENSG00000221910	ENSG00000279723	ENSG00000221813	ENSG00000221836	ENSG00000221933
##	0	0	0	0	0
##	ENSG00000221858	ENSG00000221989	ENSG00000221938	ENSG00000225932	ENSG00000213214
##	0	0	0	0	5
##	ENSG00000212807	ENSG00000243896	ENSG00000244693	ENSG00000221970	ENSG00000050327
##	0	0	0	0	27
##	ENSG00000106410	ENSG00000196511	ENSG00000174469	ENSG00000170279	ENSG00000055130
##	0	69	5	0	7337
##	ENSG00000106462	ENSG00000155660	ENSG00000197362	ENSG00000204947	ENSG00000197024
##	1172	34920	416	309	1861

##	ENSG00000170265	ENSG00000170260	ENSG00000204946	ENSG00000196453	ENSG00000181220
##	3474	897	751	1787	2416
##	ENSG00000133619	ENSG00000181444	ENSG00000197558	ENSG00000106479	ENSG00000171130
##	840	64	21	1011	1073
##	ENSG00000106526	ENSG00000127399	ENSG00000188707	ENSG00000106538	ENSG00000214022
##	1	2	6	86	6183
##	ENSG00000196456	ENSG00000171115	ENSG00000179144	ENSG00000133574	ENSG00000133561
##	577	1	0	0	0
##	ENSG00000106560	ENSG00000281887	ENSG00000213203	ENSG00000196329	ENSG00000106565
##	9	0	0	0	17
##	ENSG00000002933	ENSG00000002726	ENSG00000055118	ENSG00000164867	ENSG00000181652
##	10	0	196	4	3
##	ENSG00000197150	ENSG00000213199	ENSG00000164885	ENSG00000164889	ENSG00000164896
##	2165	42	1476	18757	5642
##	ENSG00000164897	ENSG00000133612	ENSG00000164900	ENSG00000146926	ENSG00000278685
##	2907	8012	0	0	0
##	ENSG00000033050	ENSG00000033100	ENSG00000082014	ENSG00000013374	ENSG00000187260
##	9423	31547	2707	3772	3
##	ENSG00000127377	ENSG00000106615	ENSG00000106617	ENSG00000106648	ENSG00000178234
##	2	7210	2100	0	3483
##	ENSG00000055609	ENSG00000196584	ENSG00000133627	ENSG00000130226	ENSG00000157212
##	4767	297	307	0	1050
##	ENSG00000157219	ENSG00000186480	ENSG00000204960	ENSG00000164778	ENSG00000146910
##	0	13211	0	12	0
##	ENSG00000184863	ENSG00000164690	ENSG00000105982	ENSG00000105983	ENSG00000146909
##	3978	49	56	4223	2758
##	ENSG00000130675	ENSG00000009335	ENSG00000105993	ENSG00000155093	ENSG00000146918
##	9	15083	15672	43	2419
##	ENSG00000117868	ENSG00000126870	ENSG00000106018	ENSG00000182378	ENSG00000178605
##	8032	1660	0	1804	3635
##	ENSG00000167393	ENSG00000185960	ENSG00000205755	ENSG00000198223	ENSG00000185291
##	875	1	0	1	112
##	ENSG00000169100	ENSG00000169093	ENSG00000182162	ENSG00000197976	ENSG00000196433
##	44257	2543	0	3285	1
##	ENSG00000169084	ENSG00000214717	ENSG00000002586	ENSG00000124343	ENSG00000056998
##	2877	5136	25587	6	1071
##	ENSG00000006756	ENSG00000157399	ENSG00000205667	ENSG00000062096	ENSG00000101825
##	986	198	0	0	6512
##	ENSG00000183943	ENSG00000146938	ENSG00000169059	ENSG00000130021	ENSG00000101846
##	3208	0	0	3082	3198
##	ENSG00000182583	ENSG00000006757	ENSG00000177504	ENSG00000205642	ENSG00000011201
##	0	370	0	0	112
##	ENSG00000183304	ENSG00000177138	ENSG00000101849	ENSG00000101850	ENSG00000146950
##	0	0	5230	6	2475
##	ENSG00000234469	ENSG00000047644	ENSG00000073464	ENSG00000101871	ENSG00000004961
##	2	5610	475	3896	2784
##	ENSG00000047648	ENSG00000125363	ENSG00000005302	ENSG00000169933	ENSG00000101911
##	401	0	2259	226	1738
##	ENSG00000196664	ENSG00000101916	ENSG00000205542	ENSG00000187268	ENSG00000123594
##	0	0	63561	0	0
##	ENSG00000198759	ENSG00000176896	ENSG00000123595	ENSG00000196459	ENSG00000046651
##	2	114	1742	1332	1213
##	ENSG00000046653	ENSG00000046647	ENSG00000101958	ENSG00000181544	ENSG00000130150
##	530	850	0	215	1684

##	ENSG00000102048	ENSG00000165192	ENSG00000165195	ENSG00000165197	ENSG00000087842
##	3	0	618	2	678
##	ENSG00000102010	ENSG00000130234	ENSG00000147003	ENSG00000169239	ENSG00000169249
##	0	1	14	286	1086
##	ENSG00000182287	ENSG00000126010	ENSG00000182798	ENSG00000047230	ENSG00000169906
##	8625	449	4	1798	1
##	ENSG00000169895	ENSG00000086712	ENSG00000102054	ENSG00000169891	ENSG00000188158
##	13616	2111	7336	30	471
##	ENSG00000047634	ENSG00000131831	ENSG00000177324	ENSG00000102098	ENSG00000008086
##	987	67	0	128	1582
##	ENSG00000102104	ENSG00000086717	ENSG00000044446	ENSG00000173698	ENSG00000131828
##	0	2	1041	30	4216
##	ENSG00000180815	ENSG00000147010	ENSG00000173681	ENSG00000184368	ENSG00000173674
##	13	11329	720	39	7845
##	ENSG00000177189	ENSG00000149970	ENSG00000185915	ENSG00000091482	ENSG00000012174
##	9120	51	0	0	4930
##	ENSG00000230797	ENSG00000102172	ENSG00000102174	ENSG00000175809	ENSG00000184735
##	160	24508	115	0	0
##	ENSG00000165186	ENSG00000123131	ENSG00000123130	ENSG00000130066	ENSG00000184831
##	9	10460	4474	4992	425
##	ENSG00000165182	ENSG00000174010	ENSG00000130741	ENSG00000005889	ENSG00000067992
##	0	1035	15293	4713	116
##	ENSG00000102230	ENSG00000101868	ENSG00000004848	ENSG00000176774	ENSG00000232030
##	17	862	0	0	0
##	ENSG00000176746	ENSG00000188408	ENSG00000189186	ENSG00000177689	ENSG00000226372
##	0	0	0	0	0
##	ENSG00000169306	ENSG00000099399	ENSG00000198798	ENSG00000120289	ENSG00000214107
##	496	0	0	0	0
##	ENSG00000169297	ENSG00000120280	ENSG00000198814	ENSG00000157625	ENSG00000132446
##	13	0	3591	2361	0
##	ENSG00000198947	ENSG00000185448	ENSG00000147027	ENSG00000189132	ENSG00000189023
##	1470	0	19641	0	0
##	ENSG00000165164	ENSG00000198173	ENSG00000130962	ENSG00000250349	ENSG00000147036
##	0	0	5046	0	1
##	ENSG00000047597	ENSG00000165168	ENSG00000165169	ENSG00000187516	ENSG00000147041
##	11	2	6596	0	700
##	ENSG00000101955	ENSG00000156313	ENSG00000036473	ENSG00000156298	ENSG00000165175
##	7867	924	0	2	2960
##	ENSG00000183337	ENSG00000182220	ENSG00000185753	ENSG00000180182	ENSG00000124486
##	1058	18340	1178	4588	21777
##	ENSG00000215301	ENSG00000188937	ENSG00000147044	ENSG00000171659	ENSG00000171657
##	44586	0	4185	2	0
##	ENSG00000279849	ENSG00000189221	ENSG00000069535	ENSG00000124479	ENSG00000183690
##	1	34	29	52	50
##	ENSG00000069509	ENSG00000189037	ENSG00000147050	ENSG00000147113	ENSG00000147121
##	546	0	2631	1	923
##	ENSG00000251192	ENSG00000147119	ENSG00000065923	ENSG00000102218	ENSG00000102221
##	387	1099	6815	4009	1226
##	ENSG00000130988	ENSG00000147123	ENSG00000182872	ENSG00000130985	ENSG00000102225
##	1	4365	5259	50496	7929
##	ENSG00000102226	ENSG00000147117	ENSG00000147124	ENSG00000078061	ENSG00000008056
##	8232	0	887	5104	256
##	ENSG00000102265	ENSG00000126759	ENSG00000126767	ENSG00000126756	ENSG00000279988
##	169977	17	5676	2196	0

##	ENSG00000197779	ENSG00000147118	ENSG00000221994	ENSG00000171489	ENSG00000171478
##	837	416	105	0	0
##	ENSG00000165583	ENSG00000126752	ENSG00000165584	ENSG00000268009	ENSG00000269791
##	1	0	0	0	0
##	ENSG00000017483	ENSG00000068438	ENSG00000102312	ENSG00000147155	ENSG00000068354
##	782	3285	820	1343	1650
##	ENSG00000102317	ENSG00000101940	ENSG00000015285	ENSG00000101945	ENSG00000171433
##	21835	4400	10	442	0
##	ENSG00000102145	ENSG00000094631	ENSG00000187682	ENSG00000102109	ENSG00000126768
##	0	1519	0	23	2233
##	ENSG00000102103	ENSG00000102100	ENSG00000102096	ENSG00000068308	ENSG00000102057
##	2877	3903	619	8181	244
##	ENSG00000068400	ENSG00000068323	ENSG00000147144	ENSG00000243279	ENSG00000250232
##	3227	14061	434	5963	0
##	ENSG00000196998	ENSG00000068394	ENSG00000280116	ENSG00000269313	ENSG00000102007
##	1814	1586	0	67	5947
##	ENSG00000012211	ENSG00000102003	ENSG00000102001	ENSG00000101997	ENSG00000049768
##	534	20	0	1396	7
##	ENSG00000049769	ENSG00000215274	ENSG00000224659	ENSG00000274274	ENSG00000275113
##	670	0	0	0	0
##	ENSG00000236737	ENSG00000237671	ENSG00000227488	ENSG00000216649	ENSG00000236362
##	0	0	0	0	0
##	ENSG00000215269	ENSG00000224902	ENSG00000205777	ENSG00000189064	ENSG00000068985
##	0	0	0	0	0
##	ENSG00000101951	ENSG00000273820	ENSG00000171365	ENSG00000147081	ENSG00000147082
##	0	395	2567	0	9
##	ENSG00000274588	ENSG00000158352	ENSG00000130385	ENSG00000122824	ENSG00000187690
##	0	311	0	90	0
##	ENSG00000196368	ENSG00000189369	ENSG00000179222	ENSG00000187243	ENSG00000154545
##	1414	2266	70478	149	129
##	ENSG00000155622	ENSG00000204379	ENSG00000204382	ENSG00000187754	ENSG00000241476
##	0	0	0	0	0
##	ENSG00000268447	ENSG00000204363	ENSG00000171405	ENSG00000171402	ENSG00000179304
##	0	0	0	0	16
##	ENSG00000268350	ENSG00000184194	ENSG00000184205	ENSG00000126012	ENSG00000124313
##	55	803	3044	18624	2090
##	ENSG00000072501	ENSG00000158423	ENSG00000072506	ENSG00000086758	ENSG00000172943
##	10766	11	4025	41650	2648
##	ENSG00000184083	ENSG00000196632	ENSG00000158526	ENSG00000102302	ENSG00000130119
##	813	194	3180	3880	2056
##	ENSG00000102313	ENSG00000102316	ENSG00000067445	ENSG00000158571	ENSG00000169188
##	0	30242	3852	5	1481
##	ENSG00000158578	ENSG00000238269	ENSG00000234068	ENSG00000158639	ENSG00000182518
##	1	1	0	0	372
##	ENSG00000256045	ENSG00000204279	ENSG00000187601	ENSG00000247746	ENSG00000189299
##	17	0	2724	122	0
##	ENSG00000083750	ENSG00000102349	ENSG00000188021	ENSG00000204271	ENSG00000186787
##	1244	22	9151	239	148
##	ENSG00000147059	ENSG00000165591	ENSG00000198455	ENSG00000198205	ENSG00000186767
##	11	5	1749	367	553
##	ENSG00000131089	ENSG00000184675	ENSG00000198881	ENSG00000102043	ENSG00000126970
##	1235	747	0	0	1105
##	ENSG00000102053	ENSG00000001497	ENSG00000147065	ENSG00000155659	ENSG00000089472
##	93	2748	106511	0	6004

##	ENSG00000131080	ENSG00000169083	ENSG00000079482	ENSG00000181704	ENSG00000130052
##	4538	842	1281	4722	243
##	ENSG00000090776	ENSG00000181191	ENSG00000130054	ENSG00000158813	ENSG00000147160
##	4558	2345	3	12	2
##	ENSG00000189401	ENSG00000089289	ENSG00000184210	ENSG00000204195	ENSG00000186912
##	0	3985	0	0	2
##	ENSG00000120500	ENSG00000147127	ENSG00000120509	ENSG00000090889	ENSG00000130055
##	11	23	3023	1783	19
##	ENSG00000082458	ENSG00000120498	ENSG00000165349	ENSG00000147164	ENSG00000184481
##	1608	0	2	6553	915
##	ENSG00000204165	ENSG00000147168	ENSG00000184634	ENSG00000196338	ENSG00000169562
##	0	0	5784	42	0
##	ENSG00000147130	ENSG00000147140	ENSG00000147166	ENSG00000147133	ENSG00000147162
##	3492	40260	26	3201	10900
##	ENSG00000147174	ENSG00000186810	ENSG00000215115	ENSG00000215113	ENSG00000204131
##	89	0	0	0	183
##	ENSG00000242732	ENSG00000102309	ENSG00000186871	ENSG00000198034	ENSG00000125931
##	947	1794	551	65079	9
##	ENSG00000147099	ENSG00000067177	ENSG00000184911	ENSG00000269502	ENSG00000184388
##	1228	1027	0	0	0
##	ENSG00000186288	ENSG00000204118	ENSG00000186462	ENSG00000131264	ENSG00000204116
##	0	0	20	0	1723
##	ENSG00000187969	ENSG00000147100	ENSG00000131263	ENSG00000050030	ENSG00000131269
##	0	12227	7900	1	1110
##	ENSG00000094841	ENSG00000102383	ENSG00000186675	ENSG00000102390	ENSG00000198934
##	1319	2	0	1956	319
##	ENSG00000196468	ENSG00000085224	ENSG00000102158	ENSG00000131174	ENSG00000165240
##	0	14667	10282	4072	6586
##	ENSG00000226784	ENSG00000102144	ENSG00000187325	ENSG00000173198	ENSG00000179300
##	16	33696	2016	0	27
##	ENSG00000147145	ENSG00000078589	ENSG00000147138	ENSG00000078596	ENSG00000122145
##	2	0	0	1	0
##	ENSG00000174016	ENSG00000165288	ENSG00000198157	ENSG00000131171	ENSG00000196767
##	0	2336	294	10433	0
##	ENSG00000183035	ENSG00000072133	ENSG00000165259	ENSG00000155008	ENSG00000184788
##	0	1927	576	2009	0
##	ENSG00000147180	ENSG00000124429	ENSG00000188419	ENSG00000126733	ENSG00000102271
##	415	0	3521	397	164
##	ENSG00000147183	ENSG00000153779	ENSG00000174740	ENSG00000102290	ENSG00000186310
##	0	0	142	2	834
##	ENSG00000179083	ENSG00000147202	ENSG00000204086	ENSG00000165194	ENSG00000000005
##	3	2886	11	65	0
##	ENSG00000000003	ENSG00000102359	ENSG00000102362	ENSG00000101811	ENSG00000007952
##	4674	6498	1109	1642	32
##	ENSG00000182489	ENSG00000174225	ENSG00000188917	ENSG00000126950	ENSG00000102384
##	163	16	1415	3674	740
##	ENSG00000102385	ENSG00000102387	ENSG00000126953	ENSG00000010671	ENSG00000241343
##	2316	47	710	2	263
##	ENSG00000257529	ENSG00000102393	ENSG00000126945	ENSG00000196440	ENSG00000126947
##	0	4219	7851	2138	4770
##	ENSG00000198960	ENSG00000102401	ENSG00000184867	ENSG00000126952	ENSG00000166432
##	1163	10354	6523	0	4
##	ENSG00000184905	ENSG00000204071	ENSG00000184515	ENSG00000269405	ENSG00000269437
##	1	7	0	0	0

##	ENSG00000215029	ENSG00000158164	ENSG00000125962	ENSG00000198932	ENSG00000158301
##	0	234	675	382	1657
##	ENSG00000198908	ENSG00000102128	ENSG00000133169	ENSG00000147206	ENSG00000102409
##	725	4	27	0	388
##	ENSG00000180964	ENSG00000204065	ENSG00000133134	ENSG00000182916	ENSG00000185222
##	3271	1	11	992	15442
##	ENSG00000166681	ENSG00000172476	ENSG00000133142	ENSG00000196507	ENSG00000172465
##	20511	90	5699	2320	941
##	ENSG00000123562	ENSG00000188828	ENSG00000179363	ENSG00000123560	ENSG00000123570
##	29203	1	0	16	149
##	ENSG00000158427	ENSG00000123569	ENSG00000101812	ENSG00000269226	ENSG00000269743
##	53	0	0	28	272
##	ENSG00000166707	ENSG00000123575	ENSG00000123576	ENSG00000189108	ENSG00000268629
##	133	4160	1	0	0
##	ENSG00000123572	ENSG00000123561	ENSG00000157502	ENSG00000147231	ENSG00000133135
##	1399	0	35	124	1672
##	ENSG00000133138	ENSG00000133131	ENSG00000147223	ENSG00000165376	ENSG00000089682
##	3398	4575	1	12	1084
##	ENSG00000198088	ENSG00000080572	ENSG00000147234	ENSG00000147224	ENSG00000157514
##	1	0	30	7781	1704
##	ENSG00000170935	ENSG00000080561	ENSG00000170925	ENSG00000101842	ENSG00000101843
##	0	194	0	12	2997
##	ENSG00000101844	ENSG00000197565	ENSG00000188153	ENSG00000260548	ENSG00000133124
##	1855	3609	18610	0	4
##	ENSG00000101890	ENSG00000101888	ENSG00000176076	ENSG00000068366	ENSG00000157600
##	1	448	19	32925	5402
##	ENSG00000101935	ENSG00000243978	ENSG00000101938	ENSG00000077264	ENSG00000077274
##	4555	96	99	126	0
##	ENSG00000077279	ENSG00000101901	ENSG00000072315	ENSG00000187823	ENSG00000182508
##	0	1780	100	6	22
##	ENSG00000126016	ENSG00000147246	ENSG00000123496	ENSG00000130224	ENSG00000175718
##	1352	0	165	2303	0
##	ENSG00000102021	ENSG00000102024	ENSG00000180772	ENSG00000268104	ENSG00000204019
##	0	21150	0	0	0
##	ENSG00000003096	ENSG00000131725	ENSG00000147251	ENSG00000131724	ENSG00000174460
##	563	3404	2454	11723	42
##	ENSG00000175556	ENSG00000250423	ENSG00000101856	ENSG00000077713	ENSG00000005022
##	6	0	8403	1707	10614
##	ENSG00000018610	ENSG00000077721	ENSG00000186416	ENSG00000125354	ENSG00000187808
##	1786	7851	961	2067	9
##	ENSG00000198918	ENSG00000125351	ENSG00000125352	ENSG00000125356	ENSG00000186471
##	9109	1496	780	4278	0
##	ENSG00000101882	ENSG00000203989	ENSG00000101883	ENSG00000131721	ENSG00000177485
##	2002	0	0	0	3546
##	ENSG00000125355	ENSG00000101892	ENSG00000005893	ENSG00000158290	ENSG00000232119
##	3	0	23123	10577	2543
##	ENSG00000171155	ENSG00000236446	ENSG00000230347	ENSG00000278646	ENSG00000226685
##	1844	0	0	0	0
##	ENSG00000226929	ENSG00000224089	ENSG00000226600	ENSG00000226023	ENSG00000228517
##	0	0	0	0	0
##	ENSG00000237957	ENSG00000230594	ENSG00000236126	ENSG00000242362	ENSG00000236371
##	0	0	0	0	0
##	ENSG00000182890	ENSG00000125675	ENSG00000125676	ENSG00000101966	ENSG00000101972
##	77	4	7244	8530	11764

##	ENSG00000282419	ENSG00000183918	ENSG00000009694	ENSG00000282815	ENSG00000198354
##	0	1	49	0	0
##	ENSG00000198889	ENSG00000183631	ENSG00000123165	ENSG00000102038	ENSG00000122126
##	0	0	0	15675	6645
##	ENSG00000171388	ENSG00000122121	ENSG00000122122	ENSG00000188706	ENSG00000156697
##	40	0	0	6606	2399
##	ENSG00000085185	ENSG00000102034	ENSG00000156709	ENSG00000134594	ENSG00000056277
##	1278	3070	3432	63	526
##	ENSG00000102078	ENSG00000147262	ENSG00000134597	ENSG00000165675	ENSG00000147256
##	844	0	1290	1076	0
##	ENSG00000147255	ENSG00000171054	ENSG00000134602	ENSG00000165694	ENSG00000123728
##	1	0	26	0	6009
##	ENSG00000076770	ENSG00000171004	ENSG00000134588	ENSG00000183434	ENSG00000076716
##	188	2	0	0	1671
##	ENSG00000147257	ENSG00000203952	ENSG00000156531	ENSG00000165704	ENSG00000170965
##	1	7	2967	1342	2
##	ENSG00000156504	ENSG00000156500	ENSG00000101928	ENSG00000184785	ENSG00000212747
##	1901	226	4095	1130	3770
##	ENSG00000134590	ENSG00000203950	ENSG00000196972	ENSG00000169551	ENSG00000186376
##	23264	4188	109	0	1213
##	ENSG00000173275	ENSG00000178947	ENSG00000165359	ENSG00000268940	ENSG00000269096
##	752	19	533	0	0
##	ENSG00000228836	ENSG00000278289	ENSG00000271449	ENSG00000273696	ENSG00000278085
##	0	0	0	0	0
##	ENSG00000270946	ENSG00000269586	ENSG00000181433	ENSG00000169446	ENSG00000198689
##	0	0	0	4195	2650
##	ENSG00000022267	ENSG00000129680	ENSG00000156920	ENSG00000102239	ENSG00000102241
##	8129	2611	0	0	5435
##	ENSG00000102243	ENSG00000102245	ENSG00000129675	ENSG00000147274	ENSG00000165370
##	0	0	686	11449	0
##	ENSG00000156925	ENSG00000129682	ENSG00000101981	ENSG00000101977	ENSG00000101974
##	0	20	0	5	5473
##	ENSG00000203933	ENSG00000134595	ENSG00000184258	ENSG00000227234	ENSG00000182195
##	0	0	54	1	6827
##	ENSG00000198573	ENSG00000198021	ENSG00000203926	ENSG00000196406	ENSG00000165509
##	0	0	0	0	0
##	ENSG00000155495	ENSG00000046774	ENSG00000189326	ENSG00000189252	ENSG00000179542
##	0	0	0	0	0
##	ENSG00000268988	ENSG00000203923	ENSG00000185985	ENSG00000221870	ENSG00000102081
##	0	0	0	0	2583
##	ENSG00000176988	ENSG00000155966	ENSG00000010404	ENSG00000241489	ENSG00000197620
##	0	117	7670	26	704
##	ENSG00000267978	ENSG00000268738	ENSG00000269556	ENSG00000185247	ENSG00000171116
##	1	2	992	0	1
##	ENSG00000123584	ENSG00000156009	ENSG00000197021	ENSG00000013619	ENSG00000171100
##	1	1	1788	1032	1108
##	ENSG00000063601	ENSG00000102181	ENSG00000029993	ENSG00000102195	ENSG00000160131
##	3087	9332	3208	0	4953
##	ENSG00000166049	ENSG00000130032	ENSG00000147378	ENSG00000183862	ENSG00000147381
##	0	0	0	0	0
##	ENSG00000102287	ENSG00000124260	ENSG00000011677	ENSG00000268089	ENSG00000221867
##	44	0	0	2	0
##	ENSG00000183305	ENSG00000198930	ENSG00000213401	ENSG00000268606	ENSG00000197172
##	0	0	0	0	0

##	ENSG00000147400	ENSG00000147383	ENSG00000147394	ENSG00000198883	ENSG00000183837
##	4195	2937	234	0	1
##	ENSG00000235961	ENSG00000198681	ENSG00000225110	ENSG00000063587	ENSG00000214897
##	23	0	0	3383	0
##	ENSG00000189420	ENSG00000183479	ENSG00000213397	ENSG00000182492	ENSG00000067842
##	34	35	12	37342	10
##	ENSG00000262919	ENSG00000130829	ENSG00000130822	ENSG00000130821	ENSG00000185825
##	1708	1	10	7809	18321
##	ENSG00000101986	ENSG00000198753	ENSG00000184343	ENSG00000067829	ENSG00000180879
##	2911	1031	12	4501	9697
##	ENSG00000067840	ENSG00000198910	ENSG00000126895	ENSG00000089820	ENSG00000102030
##	38	921	0	18	2611
##	ENSG00000102032	ENSG00000172534	ENSG00000177854	ENSG00000184216	ENSG00000169057
##	53	13148	488	17451	5936
##	ENSG00000102076	ENSG00000268221	ENSG00000166160	ENSG00000269433	ENSG00000278057
##	0	0	0	0	0
##	ENSG00000007350	ENSG00000196924	ENSG00000102119	ENSG00000147403	ENSG00000013563
##	0	420304	5872	62272	2495
##	ENSG00000102125	ENSG00000071553	ENSG00000203879	ENSG00000071859	ENSG00000130827
##	919	18398	21884	7666	20532
##	ENSG00000196976	ENSG00000102178	ENSG00000126903	ENSG00000071889	ENSG00000160211
##	470	3149	2328	3590	26019
##	ENSG00000269335	ENSG00000268651	ENSG00000184033	ENSG00000126890	ENSG00000160219
##	1058	6	4	1533	168
##	ENSG00000130826	ENSG00000130830	ENSG00000203870	ENSG00000185010	ENSG00000274183
##	5744	2500	1	255	0
##	ENSG00000277203	ENSG00000165775	ENSG00000182712	ENSG00000214827	ENSG00000185515
##	683	2994	0	45	2103
##	ENSG00000155959	ENSG00000155961	ENSG00000155962	ENSG00000277858	ENSG00000274791
##	4905	88	21	0	5
##	ENSG00000277150	ENSG00000277745	ENSG00000185973	ENSG00000168939	ENSG00000124333
##	19	0	578	229	6923
##	ENSG00000124334	ENSG00000176269	ENSG00000172748	ENSG00000147364	ENSG00000180190
##	0	0	178	2011	1250
##	ENSG00000104714	ENSG00000198010	ENSG00000182372	ENSG00000104728	ENSG00000176595
##	1228	2	5852	5920	86
##	ENSG00000036448	ENSG00000183117	ENSG00000147316	ENSG00000091879	ENSG00000155189
##	24	22	1736	261	1845
##	ENSG00000275591	ENSG00000164825	ENSG00000164822	ENSG00000164821	ENSG00000206047
##	53	0	0	0	0
##	ENSG00000240247	ENSG00000239839	ENSG00000164816	ENSG00000230549	ENSG00000236125
##	0	0	0	0	0
##	ENSG00000215372	ENSG00000177257	ENSG00000177243	ENSG00000164871	ENSG00000177023
##	0	0	0	0	0
##	ENSG00000187082	ENSG00000186599	ENSG00000198129	ENSG00000255251	ENSG00000255378
##	0	0	0	0	0
##	ENSG00000186572	ENSG00000186562	ENSG00000186579	ENSG00000176782	ENSG00000178287
##	0	0	0	0	0
##	ENSG00000176797	ENSG00000171711	ENSG00000215356	ENSG00000237038	ENSG00000225327
##	0	0	0	0	0
##	ENSG00000275342	ENSG00000253958	ENSG00000147324	ENSG00000104626	ENSG00000173281
##	6237	231	4543	1727	966
##	ENSG00000173273	ENSG00000175806	ENSG00000184647	ENSG00000183638	ENSG00000171060
##	6011	1499	0	4	0

##	ENSG00000171056	ENSG00000258724	ENSG00000254093	ENSG00000171044	ENSG00000280273
##	6	0	391	199	13
##	ENSG00000104643	ENSG00000177710	ENSG00000154319	ENSG00000136573	ENSG00000136574
##	2395	11	405	3	3
##	ENSG00000154328	ENSG00000079459	ENSG00000164733	ENSG00000205884	ENSG00000205883
##	1360	11564	153025	0	0
##	ENSG00000205882	ENSG00000233050	ENSG00000215343	ENSG00000226430	ENSG00000223443
##	0	0	0	0	1
##	ENSG00000186523	ENSG00000232948	ENSG00000145002	ENSG00000154359	ENSG00000250305
##	44	0	9	837	210
##	ENSG00000164741	ENSG00000164743	ENSG00000185053	ENSG00000104723	ENSG00000038945
##	34955	176	75	15187	67
##	ENSG00000078579	ENSG00000155970	ENSG00000104219	ENSG00000198791	ENSG00000155975
##	14	2842	4835	8305	6066
##	ENSG00000003987	ENSG00000003989	ENSG00000104213	ENSG00000129422	ENSG00000104760
##	141	5380	2002	909	0
##	ENSG00000078674	ENSG00000104763	ENSG00000171428	ENSG00000156006	ENSG00000156011
##	12250	7049	313	2	11676
##	ENSG00000104611	ENSG00000147408	ENSG00000104613	ENSG00000175445	ENSG00000036565
##	2017	3320	4679	2	0
##	ENSG00000147416	ENSG00000061337	ENSG00000168546	ENSG00000147443	ENSG00000130227
##	7924	2101	1	7	6617
##	ENSG00000158806	ENSG00000158815	ENSG00000158856	ENSG00000158863	ENSG00000275074
##	24	4	114	6761	710
##	ENSG00000168453	ENSG00000168476	ENSG00000168481	ENSG00000168484	ENSG00000168487
##	451	2828	11	2	15923
##	ENSG00000168490	ENSG00000168495	ENSG00000197181	ENSG00000104635	ENSG00000120910
##	63	6174	3	13605	1773
##	ENSG00000120896	ENSG00000120913	ENSG00000248235	ENSG00000241852	ENSG00000158941
##	8734	3291	1	1249	7425
##	ENSG00000147439	ENSG00000179388	ENSG00000134020	ENSG00000008853	ENSG00000120889
##	1601	630	2	2531	26500
##	ENSG00000173535	ENSG00000173530	ENSG00000104689	ENSG00000147457	ENSG00000104679
##	359	47197	488	5809	2250
##	ENSG00000134013	ENSG00000197217	ENSG00000147454	ENSG00000167034	ENSG00000180053
##	112108	14722	4425	1179	24
##	ENSG00000159167	ENSG00000042980	ENSG00000134028	ENSG00000069206	ENSG00000104722
##	100423	16	0	0	253
##	ENSG00000277586	ENSG00000147459	ENSG00000147437	ENSG00000104756	ENSG00000184661
##	71	5197	112	7746	1201
##	ENSG00000221818	ENSG00000221914	ENSG00000104765	ENSG00000240694	ENSG00000092964
##	0	6423	16741	8	8708
##	ENSG00000120907	ENSG00000015592	ENSG00000104228	ENSG00000120899	ENSG00000120903
##	0	1	2543	99	0
##	ENSG00000120915	ENSG00000120885	ENSG00000168077	ENSG00000147419	ENSG00000171320
##	7	49716	21810	2738	287
##	ENSG00000168078	ENSG00000168079	ENSG00000189233	ENSG00000134014	ENSG00000168081
##	1161	0	1	2387	0
##	ENSG00000186918	ENSG00000214050	ENSG00000104290	ENSG00000012232	ENSG00000104299
##	598	1	36	7700	1176
##	ENSG00000147421	ENSG00000197892	ENSG00000120875	ENSG00000133872	ENSG00000104660
##	1155	2947	564	15266	5132
##	ENSG00000177669	ENSG00000104671	ENSG00000157110	ENSG00000197265	ENSG00000253457
##	7	1693	12094	4048	4

##	ENSG00000104687	ENSG00000104691	ENSG00000104695	ENSG00000133863	ENSG00000172733
##	8964	937	7853	13	125
##	ENSG00000165392	ENSG00000157168	ENSG00000172728	ENSG00000129696	ENSG00000198042
##	1826	12121	817	792	2707
##	ENSG00000133874	ENSG00000133878	ENSG00000156687	ENSG00000215262	ENSG00000183779
##	594	3	0	13	7042
##	ENSG00000147475	ENSG00000147471	ENSG00000020181	ENSG00000104221	ENSG00000156675
##	8830	2729	16464	761	1184
##	ENSG00000169154	ENSG00000188778	ENSG00000187840	ENSG00000129691	ENSG00000147465
##	0	1	3506	3450	22
##	ENSG00000175324	ENSG00000156735	ENSG00000085788	ENSG00000147535	ENSG00000147548
##	1785	3158	4551	2765	9905
##	ENSG00000165046	ENSG00000077782	ENSG00000196166	ENSG00000147526	ENSG00000169499
##	386	28855	1	15346	2346
##	ENSG00000169495	ENSG00000169490	ENSG00000168615	ENSG00000197140	ENSG00000168619
##	3	6876	63380	70	0
##	ENSG00000104755	ENSG00000131203	ENSG00000188676	ENSG00000176907	ENSG00000165061
##	0	2	0	554	32
##	ENSG00000104332	ENSG00000147533	ENSG00000147536	ENSG00000158669	ENSG00000165066
##	97499	6123	1229	11541	0
##	ENSG00000029534	ENSG00000083168	ENSG00000070718	ENSG00000104368	ENSG00000104365
##	195	6383	3413	83388	5879
##	ENSG00000070501	ENSG00000104371	ENSG00000078668	ENSG00000168575	ENSG00000176209
##	1867	1	6434	4685	377
##	ENSG00000147432	ENSG00000147434	ENSG00000131931	ENSG00000120925	ENSG00000168172
##	0	0	1197	1884	7851
##	ENSG00000254673	ENSG00000168522	ENSG00000185900	ENSG00000165102	ENSG00000164808
##	0	3076	566	13542	2422
##	ENSG00000221869	ENSG00000253729	ENSG00000104738	ENSG00000169139	ENSG00000034239
##	2463	29509	4906	5256	4
##	ENSG00000019549	ENSG00000168333	ENSG00000147481	ENSG00000147485	ENSG00000168300
##	4940	0	50	25	5268
##	ENSG00000147488	ENSG00000196711	ENSG00000023287	ENSG00000183729	ENSG00000082556
##	20	95	13498	0	0
##	ENSG00000047249	ENSG00000147509	ENSG00000187735	ENSG00000280473	ENSG00000120992
##	7130	952	6517	0	6704
##	ENSG00000137547	ENSG00000164736	ENSG00000104237	ENSG00000206579	ENSG00000167904
##	3652	0	1	0	1260
##	ENSG00000137574	ENSG00000254087	ENSG00000008988	ENSG00000172680	ENSG00000181690
##	2045	811	33025	0	1556
##	ENSG00000170791	ENSG00000170786	ENSG00000181195	ENSG00000104331	ENSG00000169122
##	1931	0	166	16940	231
##	ENSG00000215114	ENSG00000167910	ENSG00000137575	ENSG00000035681	ENSG00000198846
##	1586	0	21264	4948	386
##	ENSG00000178538	ENSG00000104388	ENSG00000171316	ENSG00000177182	ENSG00000198363
##	2	15391	172	13	112383
##	ENSG00000185942	ENSG00000137563	ENSG00000137561	ENSG00000185728	ENSG00000180828
##	0	1784	0	11707	0
##	ENSG00000172817	ENSG00000104442	ENSG00000066855	ENSG00000205268	ENSG00000147570
##	1	4337	3444	868	13
##	ENSG00000147573	ENSG00000147571	ENSG00000179041	ENSG00000147576	ENSG00000169085
##	1339	99	3771	157	23
##	ENSG00000185697	ENSG00000175073	ENSG00000270024	ENSG00000213865	ENSG00000278888
##	2884	3788	0	94	15

##	ENSG00000104205	ENSG00000178460	ENSG00000261787	ENSG00000178125	ENSG00000121022
##	382	28	1	3	3905
##	ENSG00000104218	ENSG00000066777	ENSG00000165078	ENSG00000046889	ENSG00000165084
##	2037	8042	31	3	36
##	ENSG00000137573	ENSG00000137571	ENSG00000147596	ENSG00000140396	ENSG00000067167
##	2782	35	0	2865	42140
##	ENSG00000147592	ENSG00000221947	ENSG00000104313	ENSG00000178860	ENSG00000104321
##	620	9	0	2284	48520
##	ENSG00000182674	ENSG00000147601	ENSG00000164764	ENSG00000274443	ENSG00000147604
##	0	2549	27	0	47657
##	ENSG00000121039	ENSG00000040341	ENSG00000258677	ENSG00000104343	ENSG00000154582
##	6427	2234	0	2596	6462
##	ENSG00000175606	ENSG00000154589	ENSG00000104369	ENSG00000104381	ENSG00000137558
##	1513	624	4	232	0
##	ENSG00000121005	ENSG00000164749	ENSG00000091656	ENSG00000164751	ENSG00000171033
##	143	0	3481	1980	2361
##	ENSG00000104427	ENSG00000104432	ENSG00000104435	ENSG00000164683	ENSG00000147586
##	1520	28	8	926	302
##	ENSG00000276418	ENSG00000076554	ENSG00000205189	ENSG00000164684	ENSG00000076641
##	0	1	1696	5	6027
##	ENSG00000164687	ENSG00000147588	ENSG00000205186	ENSG00000170323	ENSG00000197416
##	1027	0	0	120	0
##	ENSG00000133731	ENSG00000253598	ENSG00000104231	ENSG00000164695	ENSG00000104497
##	2536	17	1270	5	1079
##	ENSG00000184672	ENSG00000133739	ENSG00000133740	ENSG00000176731	ENSG00000185015
##	0	434	433	956	115
##	ENSG00000133742	ENSG00000164879	ENSG00000104267	ENSG00000147614	ENSG00000147613
##	0	0	2	23	0
##	ENSG00000164893	ENSG00000123124	ENSG00000176623	ENSG00000085719	ENSG00000170289
##	0	3843	3177	10829	0
##	ENSG00000176571	ENSG00000176566	ENSG00000156103	ENSG00000104312	ENSG00000164823
##	0	0	6521	5452	2224
##	ENSG00000104320	ENSG00000104325	ENSG00000104327	ENSG00000180694	ENSG00000123119
##	5895	5263	3	1803	141
##	ENSG00000253250	ENSG00000155099	ENSG00000155100	ENSG00000214954	ENSG00000147606
##	164	1856	1110	21	1
##	ENSG00000079102	ENSG00000205133	ENSG00000188343	ENSG00000183808	ENSG00000164953
##	515	1838	1644	1506	785
##	ENSG00000164951	ENSG00000079112	ENSG00000164949	ENSG00000197275	ENSG00000265817
##	3454	6	4470	115	0
##	ENSG00000164944	ENSG00000104413	ENSG00000156162	ENSG00000164941	ENSG00000175305
##	7598	0	2991	2633	136
##	ENSG00000156170	ENSG00000164938	ENSG00000175895	ENSG00000156172	ENSG00000156466
##	563	8845	1477	163	1163
##	ENSG00000156467	ENSG00000156469	ENSG00000156471	ENSG00000169439	ENSG00000104324
##	10188	814	14470	14882	2896
##	ENSG00000180543	ENSG00000147649	ENSG00000104341	ENSG00000132561	ENSG00000156482
##	3627	18551	11810	2204	16232
##	ENSG00000177459	ENSG00000132541	ENSG00000104356	ENSG00000104361	ENSG00000104375
##	64	956	3134	984	1662
##	ENSG00000156486	ENSG00000164920	ENSG00000132549	ENSG00000164919	ENSG00000132554
##	36	520	8489	4755	0
##	ENSG00000156509	ENSG00000147669	ENSG00000104450	ENSG00000034677	ENSG00000186106
##	31	1739	253	3203	1415

##	ENSG00000174226	ENSG00000070756	ENSG00000164924	ENSG00000120963	ENSG00000083307
##	1	66415	56891	2908	0
##	ENSG00000104490	ENSG00000048392	ENSG00000104517	ENSG00000155087	ENSG00000155090
##	6	6764	17182	0	5928
##	ENSG00000155096	ENSG00000155097	ENSG00000164929	ENSG00000164930	ENSG00000164932
##	16753	9656	2575	15746	14550
##	ENSG00000164933	ENSG00000164934	ENSG00000176406	ENSG00000147647	ENSG00000164935
##	4593	5972	29	1	29
##	ENSG00000147650	ENSG00000169946	ENSG00000164830	ENSG00000174429	ENSG00000154188
##	6110	2295	4349	0	3201
##	ENSG00000147655	ENSG00000104408	ENSG00000104412	ENSG00000164841	ENSG00000174417
##	18	17175	2054	0	0
##	ENSG00000120526	ENSG00000120533	ENSG00000205038	ENSG00000147654	ENSG00000147642
##	3125	4857	0	517	50
##	ENSG00000164794	ENSG00000164796	ENSG00000104447	ENSG00000147677	ENSG00000147679
##	0	13	2129	13838	1262
##	ENSG00000164754	ENSG00000281527	ENSG00000205002	ENSG00000164756	ENSG00000164758
##	12418	9	2	0	295
##	ENSG00000182197	ENSG00000177570	ENSG00000164761	ENSG00000184374	ENSG00000147676
##	44740	334	33063	2584	32
##	ENSG00000136999	ENSG00000136960	ENSG00000064313	ENSG00000136982	ENSG00000155792
##	1309	756	5388	412	110
##	ENSG00000187955	ENSG00000172172	ENSG00000172167	ENSG00000172164	ENSG00000170961
##	1242	2062	254	1324	4621
##	ENSG00000178764	ENSG00000136986	ENSG00000156787	ENSG00000147689	ENSG00000189376
##	677	5900	448	0	304
##	ENSG00000259305	ENSG00000165156	ENSG00000156802	ENSG00000156795	ENSG00000156804
##	15	3527	2254	566	2234
##	ENSG00000175946	ENSG00000104537	ENSG00000176853	ENSG00000214814	ENSG00000164983
##	39	0	10654	74	3593
##	ENSG00000183665	ENSG00000170881	ENSG00000147687	ENSG00000147684	ENSG00000170873
##	1017	3484	1127	4315	520
##	ENSG00000180938	ENSG00000104549	ENSG00000164961	ENSG00000156831	ENSG00000173334
##	18	8074	6066	1306	6789
##	ENSG00000168672	ENSG00000212993	ENSG00000279524	ENSG00000136997	ENSG00000280151
##	67	1	0	5399	0
##	ENSG00000147697	ENSG00000153310	ENSG00000153317	ENSG00000155897	ENSG00000132294
##	0	3138	17314	9	15049
##	ENSG00000253117	ENSG00000258417	ENSG00000132297	ENSG00000184156	ENSG00000129295
##	0	0	0	16	16
##	ENSG00000165071	ENSG00000129292	ENSG00000042832	ENSG00000155926	ENSG00000104415
##	28	6859	73	16	402
##	ENSG00000104419	ENSG00000008513	ENSG00000066827	ENSG00000131773	ENSG00000147724
##	5082	14335	1230	1185	0
##	ENSG00000169436	ENSG00000169427	ENSG00000167632	ENSG00000104472	ENSG00000123908
##	30	2	1392	1959	15910
##	ENSG00000169398	ENSG00000281855	ENSG00000105339	ENSG00000022567	ENSG00000204882
##	8683	0	5112	1075	61
##	ENSG00000184489	ENSG00000171045	ENSG00000181790	ENSG00000198576	ENSG00000234616
##	43	338	10	68	2195
##	ENSG00000167653	ENSG00000160886	ENSG00000130193	ENSG00000126233	ENSG00000197353
##	5	148	373	0	0
##	ENSG00000180155	ENSG00000167656	ENSG00000104499	ENSG00000160882	ENSG00000179142
##	903	0	0	0	0

##	ENSG00000160932	ENSG00000261667	ENSG00000176956	ENSG00000277494	ENSG00000181638
##	13646	0	0	0	927
##	ENSG00000264668	ENSG00000250571	ENSG00000185730	ENSG00000184428	ENSG00000158106
##	0	506	496	1005	12
##	ENSG00000182759	ENSG00000014164	ENSG00000104518	ENSG00000204839	ENSG00000147813
##	5	1897	907	277	743
##	ENSG00000104529	ENSG00000179886	ENSG00000104524	ENSG00000104522	ENSG00000183309
##	7064	1209	1361	5038	2789
##	ENSG00000181135	ENSG00000255181	ENSG00000181085	ENSG00000180921	ENSG00000180900
##	1184	0	4	288	8275
##	ENSG00000179950	ENSG00000185189	ENSG00000261150	ENSG00000178209	ENSG00000178685
##	11818	3194	37	108413	722
##	ENSG00000178719	ENSG00000186583	ENSG00000178814	ENSG00000178896	ENSG00000197858
##	24333	0	224	1310	9837
##	ENSG00000179091	ENSG00000179526	ENSG00000179632	ENSG00000179698	ENSG00000235173
##	8174	3700	9270	15	2016
##	ENSG00000179832	ENSG00000261236	ENSG00000260428	ENSG00000185122	ENSG00000185000
##	3544	6421	67	6777	2161
##	ENSG00000261678	ENSG00000261587	ENSG00000271698	ENSG00000185803	ENSG00000182325
##	9	3	6	8061	634
##	ENSG00000173137	ENSG00000071894	ENSG00000147804	ENSG00000160948	ENSG00000160949
##	570	11931	242	4794	1321
##	ENSG00000187954	ENSG00000167702	ENSG00000160973	ENSG00000160972	ENSG00000167701
##	3694	579	3	1001	38
##	ENSG00000167700	ENSG00000160957	ENSG00000160959	ENSG00000254402	ENSG00000213563
##	927	1106	2131	1	1470
##	ENSG00000147799	ENSG00000198169	ENSG00000196378	ENSG00000161016	ENSG00000197363
##	797	1791	226	67229	658
##	ENSG00000147789	ENSG00000170619	ENSG00000196150	ENSG00000170631	ENSG00000182307
##	1077	2868	524	648	4490
##	ENSG00000181404	ENSG00000170122	ENSG00000172785	ENSG00000183784	ENSG00000107099
##	442	20	975	1	17
##	ENSG00000107104	ENSG00000137090	ENSG00000064218	ENSG00000173253	ENSG00000080503
##	3110	4	6	0	4918
##	ENSG00000147852	ENSG00000168263	ENSG00000080608	ENSG00000080298	ENSG00000279745
##	943	7	4519	398	0
##	ENSG00000107249	ENSG00000106688	ENSG00000106686	ENSG00000205808	ENSG00000106993
##	2466	459	23	688	2053
##	ENSG00000147853	ENSG00000120158	ENSG00000096968	ENSG00000120210	ENSG00000120211
##	7583	1129	1908	0	5
##	ENSG00000107014	ENSG00000107018	ENSG00000107020	ENSG00000120217	ENSG00000197646
##	0	0	750	781	2194
##	ENSG00000107036	ENSG00000099219	ENSG00000183354	ENSG00000120215	ENSG00000137040
##	10431	2052	2795	32	4475
##	ENSG00000137033	ENSG00000170777	ENSG00000147854	ENSG00000178445	ENSG00000274527
##	55	0	4509	53	0
##	ENSG00000107077	ENSG00000137038	ENSG00000153707	ENSG00000107165	ENSG00000153714
##	645	2124	102	480	2372
##	ENSG00000107186	ENSG00000147862	ENSG00000175893	ENSG00000147869	ENSG00000164946
##	6423	176	1370	0	5
##	ENSG00000155158	ENSG00000164975	ENSG00000164985	ENSG00000164989	ENSG00000205549
##	1327	6213	3771	209	1
##	ENSG00000173068	ENSG00000044459	ENSG00000107295	ENSG00000178031	ENSG00000155875
##	3431	1028	5	2693	2

##	ENSG00000155876	ENSG00000147874	ENSG00000147872	ENSG00000137145	ENSG00000137154
##	11788	2438	6952	4220	73646
##	ENSG00000177076	ENSG00000155886	ENSG00000171843	ENSG00000188352	ENSG00000188921
##	615	0	2182	5536	344
##	ENSG00000171855	ENSG00000177047	ENSG00000137080	ENSG00000236637	ENSG00000214042
##	0	0	0	0	0
##	ENSG00000186803	ENSG00000234829	ENSG00000147885	ENSG00000228083	ENSG00000147873
##	0	0	0	0	0
##	ENSG00000198642	ENSG00000120235	ENSG00000233816	ENSG00000188379	ENSG00000120242
##	8176	0	0	0	0
##	ENSG00000197919	ENSG00000184995	ENSG00000099810	ENSG00000264545	ENSG00000147889
##	8	165	5267	0	3131
##	ENSG00000147883	ENSG00000176399	ENSG00000107105	ENSG00000205442	ENSG00000198680
##	6894	48	1	0	860
##	ENSG00000120159	ENSG00000137055	ENSG00000096872	ENSG00000184434	ENSG00000120156
##	1287	6375	1144	2	3880
##	ENSG00000120160	ENSG00000120162	ENSG00000147896	ENSG00000147894	ENSG00000174482
##	0	20	0	501	0
##	ENSG00000122729	ENSG00000107201	ENSG00000197579	ENSG00000165264	ENSG00000241043
##	16319	3135	3402	2986	93
##	ENSG00000122728	ENSG00000188133	ENSG00000137074	ENSG00000086061	ENSG00000122692
##	3	2	2410	22638	7183
##	ENSG00000086062	ENSG00000122711	ENSG00000107262	ENSG00000086065	ENSG00000086102
##	11286	2	1927	8049	3787
##	ENSG00000165269	ENSG00000165272	ENSG00000165271	ENSG00000230453	ENSG00000010438
##	1	501	10757	399	609
##	ENSG00000107341	ENSG00000137073	ENSG00000198876	ENSG00000165006	ENSG00000186638
##	11126	4318	3227	5574	300
##	ENSG00000164978	ENSG00000164976	ENSG00000164972	ENSG00000164970	ENSG00000122735
##	1345	463	4	4458	0
##	ENSG00000168913	ENSG00000122756	ENSG00000164967	ENSG00000137100	ENSG00000205143
##	3	4	544	4159	9
##	ENSG00000147955	ENSG00000213930	ENSG00000258728	ENSG00000137070	ENSG00000213927
##	7781	457	0	693	0
##	ENSG00000187186	ENSG00000172724	ENSG00000137077	ENSG00000205108	ENSG00000122733
##	27	0	0	10	4
##	ENSG00000137094	ENSG00000174038	ENSG00000165280	ENSG00000221829	ENSG00000165282
##	2368	0	61557	844	2777
##	ENSG00000165283	ENSG00000005238	ENSG00000198722	ENSG00000198853	ENSG00000215187
##	6615	4583	4495	10336	3
##	ENSG00000107140	ENSG00000137101	ENSG00000137078	ENSG00000159884	ENSG00000137135
##	1841	16	0	370	123
##	ENSG00000107159	ENSG00000198467	ENSG00000137076	ENSG00000107175	ENSG00000070610
##	32	151651	127265	9991	5789
##	ENSG00000107185	ENSG00000215183	ENSG00000159899	ENSG00000137098	ENSG00000137133
##	6590	0	3132	15	443
##	ENSG00000137103	ENSG00000204930	ENSG00000168828	ENSG00000196196	ENSG00000122718
##	1519	0	2	93	0
##	ENSG00000122707	ENSG00000122694	ENSG00000185972	ENSG00000122705	ENSG00000159921
##	12739	3535	43	17835	3622
##	ENSG00000137075	ENSG00000165304	ENSG00000196092	ENSG00000147905	ENSG00000137106
##	2956	1537	0	2010	6997
##	ENSG00000168795	ENSG00000137054	ENSG00000147912	ENSG00000256966	ENSG00000175768
##	1118	2646	829	1	481

##	ENSG00000255872	ENSG00000070601	ENSG00000165275	ENSG00000107371	ENSG00000122741
##	0	1	548	1254	4421
##	ENSG00000122696	ENSG00000107338	ENSG00000137124	ENSG00000137142	ENSG00000273170
##	1448	1684	2377	5	0
##	ENSG00000180071	ENSG00000106714	ENSG00000204849	ENSG00000183148	ENSG00000273514
##	0	89	0	1	1
##	ENSG00000215126	ENSG00000154529	ENSG00000185775	ENSG00000277737	ENSG00000276581
##	186	102	0	0	0
##	ENSG00000276040	ENSG00000172014	ENSG00000204779	ENSG00000147996	ENSG00000184659
##	0	0	0	258	0
##	ENSG00000276203	ENSG00000274349	ENSG00000275969	ENSG00000260691	ENSG00000196873
##	0	204	0	2	119
##	ENSG00000187559	ENSG00000154330	ENSG00000181778	ENSG00000107242	ENSG00000187866
##	0	1114	6	1	1482
##	ENSG00000165059	ENSG00000165060	ENSG00000119139	ENSG00000135063	ENSG00000107282
##	0	812	5524	5	2053
##	ENSG00000188647	ENSG00000204711	ENSG00000165072	ENSG00000198887	ENSG00000119138
##	6854	0	804	5433	3114
##	ENSG00000083067	ENSG00000135048	ENSG00000107362	ENSG00000281760	ENSG00000155621
##	15	27984	1442	0	755
##	ENSG00000204669	ENSG00000119125	ENSG00000107372	ENSG00000165091	ENSG00000165092
##	0	1	25469	0	20
##	ENSG00000135046	ENSG00000198963	ENSG00000119121	ENSG00000135045	ENSG00000156017
##	27152	2	6	557	2505
##	ENSG00000106733	ENSG00000134996	ENSG00000099139	ENSG00000135002	ENSG00000187210
##	386	2765	1562	4069	609
##	ENSG00000106772	ENSG00000204612	ENSG00000197969	ENSG00000156049	ENSG00000156052
##	744	0	6052	8	7111
##	ENSG00000148019	ENSG00000135069	ENSG00000106829	ENSG00000196781	ENSG00000189357
##	1973	8342	6188	4106	0
##	ENSG00000186788	ENSG00000214929	ENSG00000165105	ENSG00000172159	ENSG00000148057
##	0	0	21	2	48
##	ENSG00000135018	ENSG00000165113	ENSG00000165115	ENSG00000165118	ENSG00000165119
##	16856	69	225	360	53029
##	ENSG00000178966	ENSG00000197506	ENSG00000148053	ENSG00000135049	ENSG00000135040
##	724	147	3	802	2420
##	ENSG00000135052	ENSG00000187753	ENSG00000135070	ENSG00000083223	ENSG00000180447
##	8947	5	2515	6623	200
##	ENSG00000196730	ENSG00000135047	ENSG00000177992	ENSG00000156345	ENSG00000106723
##	53	10088	14	549	13323
##	ENSG00000130045	ENSG00000186354	ENSG00000213694	ENSG00000148082	ENSG00000123975
##	272	71	8814	7109	2771
##	ENSG00000187742	ENSG00000187764	ENSG00000130222	ENSG00000165023	ENSG00000165025
##	4417	668	45	1	0
##	ENSG00000148090	ENSG00000165030	ENSG00000169071	ENSG00000090054	ENSG00000196305
##	1039	4545	1034	8468	41220
##	ENSG00000279007	ENSG00000198000	ENSG00000188312	ENSG00000106809	ENSG00000127083
##	5	3094	205	2	0
##	ENSG00000106819	ENSG00000106823	ENSG00000127080	ENSG00000185963	ENSG00000127081
##	12	18	709	8476	404
##	ENSG00000127084	ENSG00000157303	ENSG00000165233	ENSG00000131669	ENSG00000165238
##	0	6	2570	3062	5
##	ENSG00000204352	ENSG00000188938	ENSG00000048828	ENSG00000197724	ENSG00000131668
##	5	1971	18609	4015	0

##	ENSG00000158079	ENSG00000175787	ENSG00000130950	ENSG00000148110	ENSG00000130957
##	588	86	0	5840	0
##	ENSG00000165140	ENSG00000148120	ENSG00000158169	ENSG00000185920	ENSG00000182150
##	0	1661	1124	1163	1868
##	ENSG00000275465	ENSG00000130948	ENSG00000130958	ENSG00000165244	ENSG00000130956
##	0	4	1244	270	2272
##	ENSG00000081377	ENSG00000158122	ENSG00000081386	ENSG00000196597	ENSG00000196312
##	2024	804	867	190	280
##	ENSG00000188152	ENSG00000136943	ENSG00000197816	ENSG00000196116	ENSG00000136842
##	36	19	5	1138	1248
##	ENSG00000136925	ENSG00000136937	ENSG00000136936	ENSG00000178919	ENSG00000136932
##	1279	7011	537	5	481
##	ENSG00000136929	ENSG00000136938	ENSG00000095380	ENSG00000106785	ENSG00000106789
##	0	8237	4079	1455	450
##	ENSG00000095383	ENSG00000136928	ENSG00000165138	ENSG00000119514	ENSG00000204291
##	6136	9424	2624	143	3119
##	ENSG00000106799	ENSG00000119523	ENSG00000106803	ENSG00000119508	ENSG00000136874
##	5071	4166	8313	659	1282
##	ENSG00000023318	ENSG00000119509	ENSG00000136891	ENSG00000066697	ENSG00000251349
##	8393	1393	4780	6438	4
##	ENSG00000241697	ENSG00000170681	ENSG00000148123	ENSG00000136881	ENSG00000136897
##	126	592	1	4	1803
##	ENSG00000136870	ENSG00000136872	ENSG00000165152	ENSG00000155827	ENSG00000198785
##	1579	9	2611	5486	22
##	ENSG00000188386	ENSG00000155833	ENSG00000136824	ENSG00000186881	ENSG00000148136
##	1	0	2938	0	0
##	ENSG00000204246	ENSG00000186943	ENSG00000277556	ENSG00000276119	ENSG00000136839
##	0	0	0	0	0
##	ENSG00000179055	ENSG00000136783	ENSG00000165028	ENSG00000165029	ENSG00000070214
##	0	1953	21	17264	4307
##	ENSG00000106701	ENSG00000106692	ENSG00000186051	ENSG00000095209	ENSG00000148143
##	520	3916	2	1886	2597
##	ENSG00000119318	ENSG00000136826	ENSG00000148156	ENSG00000187003	ENSG00000070061
##	23818	1236	0	0	5733
##	ENSG00000119328	ENSG00000119326	ENSG00000106771	ENSG00000260230	ENSG00000095203
##	1483	6218	16391	10	114
##	ENSG00000070159	ENSG00000243444	ENSG00000157654	ENSG00000241978	ENSG00000188959
##	459	285	96	327	14
##	ENSG00000136810	ENSG00000204193	ENSG00000165124	ENSG00000030304	ENSG00000198121
##	22167	2	5688	33	31845
##	ENSG00000171133	ENSG00000136813	ENSG00000173258	ENSG00000106853	ENSG00000059769
##	4	12905	33	6336	1095
##	ENSG00000244115	ENSG00000242616	ENSG00000165181	ENSG00000148154	ENSG00000106868
##	0	112	12	9738	1374
##	ENSG00000119314	ENSG00000119471	ENSG00000165185	ENSG00000148153	ENSG00000148158
##	4692	3168	133	2044	5351
##	ENSG00000119457	ENSG00000136866	ENSG00000136867	ENSG00000119321	ENSG00000136868
##	7	271	42	5542	14105
##	ENSG00000176386	ENSG00000136875	ENSG00000165188	ENSG00000148225	ENSG00000119411
##	689	3684	0	126	0
##	ENSG00000119431	ENSG00000148218	ENSG00000148229	ENSG00000157653	ENSG00000138835
##	328	2657	4617	37	6144
##	ENSG00000157657	ENSG00000106927	ENSG00000136883	ENSG00000196739	ENSG00000229314
##	7800	9	0	3959	1

##	ENSG00000228278	ENSG00000106948	ENSG00000095397	ENSG00000136888	ENSG00000157693
##	1	1183	576	12508	929
##	ENSG00000181634	ENSG00000106952	ENSG00000041982	ENSG00000173077	ENSG00000182752
##	646	0	129362	11	43535
##	ENSG00000148219	ENSG00000119401	ENSG00000136869	ENSG00000078725	ENSG00000136861
##	536	3675	12	15	4574
##	ENSG00000106780	ENSG00000119402	ENSG00000095261	ENSG00000119403	ENSG00000056558
##	4254	8205	4603	3022	388
##	ENSG00000106804	ENSG00000119397	ENSG00000119396	ENSG00000148180	ENSG00000148175
##	218	838	11532	29597	24300
##	ENSG00000136848	ENSG00000175764	ENSG00000119421	ENSG00000185681	ENSG00000106852
##	6325	419	3459	0	11
##	ENSG00000119446	ENSG00000148187	ENSG00000095303	ENSG00000136834	ENSG00000197233
##	4023	1388	30961	6	41
##	ENSG00000239590	ENSG00000171505	ENSG00000171501	ENSG00000171496	ENSG00000165202
##	48	2	0	4	23
##	ENSG00000171484	ENSG00000173679	ENSG00000171481	ENSG00000136939	ENSG00000171459
##	0	0	0	0	0
##	ENSG00000148215	ENSG00000136940	ENSG00000165204	ENSG00000056586	ENSG00000186130
##	0	3355	0	7606	1763
##	ENSG00000171448	ENSG00000011454	ENSG00000188394	ENSG00000165209	ENSG00000148204
##	809	6240	0	699	2
##	ENSG00000119522	ENSG00000106689	ENSG00000119408	ENSG00000136930	ENSG00000180264
##	1860	0	11246	13146	0
##	ENSG00000136931	ENSG00000148200	ENSG00000185585	ENSG00000136918	ENSG00000136942
##	0	36	2202	0	20042
##	ENSG00000136950	ENSG00000136935	ENSG00000173611	ENSG00000119414	ENSG00000136933
##	4434	2395	936	6460	2426
##	ENSG00000044574	ENSG00000165219	ENSG00000119487	ENSG00000167081	ENSG00000196814
##	145398	7475	11830	1638	1127
##	ENSG00000136944	ENSG00000169155	ENSG00000177125	ENSG00000136828	ENSG00000136859
##	0	1445	1522	237	8843
##	ENSG00000136895	ENSG00000136856	ENSG00000196152	ENSG00000197958	ENSG00000148356
##	87	896	784	30686	1834
##	ENSG00000136830	ENSG00000136854	ENSG00000187024	ENSG00000160401	ENSG00000167094
##	70625	7285	17	351	2
##	ENSG00000160404	ENSG00000095370	ENSG00000279363	ENSG00000136807	ENSG00000136877
##	841	0	0	4426	4717
##	ENSG00000106991	ENSG00000106992	ENSG00000160408	ENSG00000136840	ENSG00000167103
##	23261	959	6790	2857	108
##	ENSG00000136908	ENSG00000167106	ENSG00000171169	ENSG00000148339	ENSG00000148334
##	3506	3561	1018	1754	3773
##	ENSG00000148346	ENSG00000171159	ENSG00000148337	ENSG00000106976	ENSG00000167110
##	2	3182	10417	2175	14094
##	ENSG00000175854	ENSG00000167112	ENSG00000167113	ENSG00000167114	ENSG00000167118
##	1946	3112	1821	4052	5296
##	ENSG00000167123	ENSG00000136811	ENSG00000119392	ENSG00000197694	ENSG00000119333
##	15085	4314	2542	52672	1950
##	ENSG00000119335	ENSG00000160447	ENSG00000160446	ENSG00000160445	ENSG00000107021
##	31348	386	1531	7362	4773
##	ENSG00000167136	ENSG00000198917	ENSG00000171097	ENSG00000136802	ENSG00000175287
##	514	1927	524	17521	163
##	ENSG00000251184	ENSG00000175283	ENSG00000095319	ENSG00000148341	ENSG00000148343
##	0	2791	10684	3109	3666

##	ENSG00000167130	ENSG00000095321	ENSG00000119383	ENSG00000188483	ENSG00000148335
##	1340	6167	18681	1879	2533
##	ENSG00000179058	ENSG00000148331	ENSG00000167157	ENSG00000148344	ENSG00000136816
##	12	3133	3067	262	3540
##	ENSG00000136827	ENSG00000136819	ENSG00000136878	ENSG00000187239	ENSG00000148358
##	8053	5297	2929	4127	11485
##	ENSG00000107130	ENSG00000148357	ENSG00000130707	ENSG00000107164	ENSG00000130711
##	13603	7	1838	7188	12
##	ENSG00000130713	ENSG00000097007	ENSG00000188710	ENSG00000130720	ENSG00000050555
##	1786	17231	33	2639	2
##	ENSG00000126878	ENSG00000126883	ENSG00000126882	ENSG00000160539	ENSG00000130723
##	17	5090	148	114	16579
##	ENSG00000130714	ENSG00000130717	ENSG00000107263	ENSG00000160563	ENSG00000196358
##	4615	2754	11557	2277	694
##	ENSG00000107290	ENSG00000125482	ENSG00000188523	ENSG00000125492	ENSG00000125485
##	14353	1190	14	4	1501
##	ENSG00000125484	ENSG00000165695	ENSG00000165698	ENSG00000165699	ENSG00000165702
##	5882	11	298	6203	1
##	ENSG00000148308	ENSG00000170835	ENSG00000160271	ENSG00000148288	ENSG00000171102
##	3800	23	4006	176	0
##	ENSG00000175164	ENSG00000148296	ENSG00000148297	ENSG00000148303	ENSG00000148290
##	0	3745	3535	67526	1411
##	ENSG00000148291	ENSG00000148248	ENSG00000198870	ENSG00000148300	ENSG00000160323
##	630	61588	41	3711	186
##	ENSG00000160325	ENSG00000160326	ENSG00000187616	ENSG00000197859	ENSG00000196990
##	1839	1395	0	6	3
##	ENSG00000123454	ENSG00000123453	ENSG00000160293	ENSG00000169925	ENSG00000196363
##	25	331	5877	3975	3735
##	ENSG00000186350	ENSG00000130635	ENSG00000160339	ENSG00000085265	ENSG00000130558
##	6266	127136	0	0	88
##	ENSG00000196422	ENSG00000160345	ENSG00000122140	ENSG00000160349	ENSG00000122136
##	2014	292	2814	0	0
##	ENSG00000122133	ENSG00000204007	ENSG00000148386	ENSG00000165643	ENSG00000107147
##	0	0	0	0	1
##	ENSG00000130559	ENSG00000130560	ENSG00000148411	ENSG00000238227	ENSG00000107187
##	7654	3093	12062	6598	0
##	ENSG00000165661	ENSG00000279813	ENSG00000260220	ENSG00000160360	ENSG00000213221
##	2744	0	0	12115	23
##	ENSG00000187796	ENSG00000165684	ENSG00000165689	ENSG00000165688	ENSG00000148384
##	259	2463	3236	7365	1740
##	ENSG00000148396	ENSG00000148400	ENSG00000172889	ENSG00000169692	ENSG00000165716
##	20951	7420	694	4009	134
##	ENSG00000187922	ENSG00000204003	ENSG00000267206	ENSG00000204001	ENSG00000177984
##	0	0	0	0	0
##	ENSG00000244187	ENSG00000272896	ENSG00000213213	ENSG00000196642	ENSG00000232434
##	734	0	61	9308	500
##	ENSG00000054148	ENSG00000177943	ENSG00000107223	ENSG00000127191	ENSG00000159069
##	5646	217	14256	1146	9911
##	ENSG00000176919	ENSG00000184925	ENSG00000107317	ENSG00000214402	ENSG00000148362
##	12	0	197	8	706
##	ENSG00000169583	ENSG00000107331	ENSG00000180549	ENSG00000279073	ENSG00000107281
##	20	7303	1	0	6441
##	ENSG00000054179	ENSG00000186193	ENSG00000197355	ENSG00000177239	ENSG00000176978
##	9	474	2205	9586	6223

##	ENSG00000176884	ENSG00000184709	ENSG00000261793	ENSG00000185863	ENSG00000176248
##	20	1	0	0	3627
##	ENSG00000176101	ENSG00000176058	ENSG00000187713	ENSG00000188566	ENSG00000212864
##	4694	1531	3251	1246	113
##	ENSG00000197191	ENSG00000233198	ENSG00000198569	ENSG00000188229	ENSG00000188163
##	81	14	25	26503	8
##	ENSG00000197768	ENSG00000188986	ENSG00000198113	ENSG00000198435	ENSG00000187609
##	1	7086	11287	22	636
##	ENSG00000188747	ENSG00000188833	ENSG00000165802	ENSG00000130653	ENSG00000182154
##	10	2	7804	221	3299
##	ENSG00000148399	ENSG00000165724	ENSG00000197070	ENSG00000181090	ENSG00000148408
##	1330	1828	1588	6024	14
##	ENSG00000250210	ENSG00000177951	ENSG00000188076	ENSG00000177947	ENSG00000177963
##	0	6576	0	0	15061
##	ENSG00000142082	ENSG00000185627	ENSG00000174885	ENSG00000142102	ENSG00000206013
##	852	11903	2	465	0
##	ENSG00000185201	ENSG00000185885	ENSG00000142089	ENSG00000182272	ENSG00000184363
##	6115	1125	19505	2607	82
##	ENSG00000185187	ENSG00000185101	ENSG00000174915	ENSG0000023191	ENSG00000174775
##	593	15	4201	16437	4260
##	ENSG00000161328	ENSG00000185522	ENSG00000099849	ENSG00000070047	ENSG00000185507
##	309	34	511	6817	360
##	ENSG00000099834	ENSG00000070031	ENSG00000069696	ENSG00000177030	ENSG00000177106
##	9	4	14	2877	1426
##	ENSG00000177042	ENSG00000177156	ENSG00000177225	ENSG00000184524	ENSG00000177542
##	1476	18284	5293	761	2986
##	ENSG00000274897	ENSG00000177595	ENSG00000177600	ENSG00000177666	ENSG00000177685
##	90	1811	30583	7962	40
##	ENSG00000177697	ENSG00000177700	ENSG00000214063	ENSG00000177830	ENSG00000183020
##	49851	13137	14357	7965	10837
##	ENSG00000184956	ENSG00000215182	ENSG00000117983	ENSG00000078902	ENSG00000174672
##	3	21	0	6086	132
##	ENSG00000182208	ENSG00000184545	ENSG00000278919	ENSG00000205869	ENSG00000205867
##	2006	467	1	0	0
##	ENSG00000196224	ENSG00000241598	ENSG00000185940	ENSG00000205864	ENSG00000244242
##	0	0	0	0	331
##	ENSG00000250644	ENSG00000117984	ENSG00000149043	ENSG00000130598	ENSG00000130592
##	3	18818	0	0	4
##	ENSG00000184682	ENSG00000130595	ENSG00000214026	ENSG00000167244	ENSG00000129965
##	0	0	499	4530	0
##	ENSG00000254647	ENSG00000180176	ENSG00000183734	ENSG00000110665	ENSG00000064201
##	0	1	0	0	18
##	ENSG00000110651	ENSG00000184281	ENSG00000070985	ENSG00000053918	ENSG00000129757
##	42732	3459	0	0	323
##	ENSG00000254827	ENSG00000110628	ENSG00000181649	ENSG00000205531	ENSG00000110619
##	14	1325	8667	11572	9307
##	ENSG00000021762	ENSG00000182170	ENSG00000184350	ENSG00000005801	ENSG00000167311
##	4193	0	0	1471	6
##	ENSG00000129744	ENSG00000129749	ENSG00000110713	ENSG00000148985	ENSG00000177105
##	0	42	13448	1103	3372
##	ENSG00000167323	ENSG00000167325	ENSG00000280253	ENSG00000132109	ENSG00000181963
##	4945	7132	0	1466	0
##	ENSG00000196778	ENSG00000197790	ENSG00000171987	ENSG00000226288	ENSG00000232268
##	0	0	0	0	0

##	ENSG00000167333	ENSG00000197428	ENSG00000180785	ENSG00000167332	ENSG00000167346
##	871	0	0	53	2
##	ENSG00000188069	ENSG00000176937	ENSG00000176925	ENSG00000176922	ENSG00000176904
##	0	0	0	0	0
##	ENSG00000176900	ENSG00000176895	ENSG00000176893	ENSG00000176879	ENSG00000205497
##	0	0	0	0	0
##	ENSG00000205496	ENSG00000176798	ENSG00000205495	ENSG00000176787	ENSG00000171944
##	0	0	0	0	0
##	ENSG00000182070	ENSG00000176742	ENSG00000244734	ENSG00000223609	ENSG00000213934
##	0	0	0	32	0
##	ENSG00000196565	ENSG00000279824	ENSG00000279346	ENSG00000213931	ENSG00000183251
##	3	0	0	5	0
##	ENSG00000184881	ENSG00000242180	ENSG00000176239	ENSG00000184698	ENSG00000184321
##	0	0	0	1	0
##	ENSG00000167360	ENSG00000167359	ENSG00000187918	ENSG00000181609	ENSG00000175520
##	0	0	0	0	0
##	ENSG00000175518	ENSG00000181616	ENSG00000187747	ENSG00000121236	ENSG00000258588
##	17	0	0	205	0
##	ENSG00000258659	ENSG00000132256	ENSG00000132274	ENSG00000181023	ENSG00000181074
##	2	4477	7260	0	0
##	ENSG00000181009	ENSG00000181001	ENSG00000180988	ENSG00000205409	ENSG00000183269
##	0	0	0	0	0
##	ENSG00000180974	ENSG00000277932	ENSG00000184478	ENSG00000188691	ENSG00000183313
##	0	0	0	0	0
##	ENSG00000183389	ENSG00000180934	ENSG00000180919	ENSG00000255307	ENSG00000175485
##	0	0	1	0	0
##	ENSG00000180878	ENSG00000051009	ENSG00000132259	ENSG00000110148	ENSG00000170955
##	8	1624	4	0	7088
##	ENSG00000166311	ENSG00000166313	ENSG00000110169	ENSG00000110171	ENSG00000132254
##	14919	4896	61	1926	5970
##	ENSG00000132286	ENSG00000265264	ENSG00000179532	ENSG00000132275	ENSG00000166333
##	2365	1	396	1345	402
##	ENSG00000166337	ENSG00000166340	ENSG00000166341	ENSG00000158042	ENSG00000188124
##	3397	16212	3978	5014	3
##	ENSG00000170803	ENSG00000184933	ENSG00000166363	ENSG00000170790	ENSG00000170782
##	0	4	0	1	1
##	ENSG00000166368	ENSG00000178358	ENSG00000149054	ENSG00000149050	ENSG00000158077
##	0	0	416	118	3
##	ENSG00000170748	ENSG00000170743	ENSG00000183801	ENSG00000166387	ENSG00000166394
##	0	0	4	264	186
##	ENSG00000183378	ENSG00000183303	ENSG00000182334	ENSG00000175393	ENSG00000170683
##	2	0	0	0	1
##	ENSG00000182261	ENSG00000175390	ENSG00000166402	ENSG00000166405	ENSG00000166407
##	250	16624	1395	1	1
##	ENSG00000130413	ENSG00000166436	ENSG00000166441	ENSG00000166444	ENSG00000166452
##	226	891	47196	5979	1943
##	ENSG00000176029	ENSG00000176009	ENSG00000175348	ENSG00000175352	ENSG00000175356
##	11	0	4384	2812	150
##	ENSG00000184014	ENSG00000166471	ENSG00000205339	ENSG00000166478	ENSG00000166483
##	12220	2878	26790	1835	3206
##	ENSG00000133789	ENSG00000133812	ENSG00000148926	ENSG00000133805	ENSG00000255823
##	5719	5898	7941	3331	151
##	ENSG00000110315	ENSG00000133800	ENSG00000072952	ENSG00000198730	ENSG00000110321
##	3320	1	4514	8507	152185

##	ENSG00000236287	ENSG00000110328	ENSG00000254598	ENSG00000170242	ENSG00000050165
##	2837	1268	60	12666	120894
##	ENSG00000133816	ENSG00000133808	ENSG00000197702	ENSG00000187079	ENSG00000189431
##	62423	246	24228	30680	0
##	ENSG00000133794	ENSG00000148925	ENSG00000152266	ENSG00000197601	ENSG00000262655
##	1396	4492	0	4781	349
##	ENSG00000133818	ENSG00000129083	ENSG00000256206	ENSG00000129084	ENSG00000152270
##	5358	29223	0	1978	379
##	ENSG00000186104	ENSG00000175868	ENSG00000110680	ENSG00000188487	ENSG00000110693
##	389	39	6	1824	1360
##	ENSG00000110696	ENSG00000166689	ENSG00000110700	ENSG00000011405	ENSG00000070081
##	13600	6	20282	8680	7756
##	ENSG00000188211	ENSG00000187486	ENSG00000006071	ENSG00000006611	ENSG00000188162
##	1100	0	0	1	0
##	ENSG00000129152	ENSG00000129159	ENSG00000129158	ENSG00000129167	ENSG00000166788
##	0	67	363	4	780
##	ENSG00000148965	ENSG00000179826	ENSG00000179817	ENSG00000255071	ENSG00000134339
##	0	6	1	0	0
##	ENSG00000173432	ENSG00000110756	ENSG00000110768	ENSG00000134333	ENSG00000166796
##	1	2926	5771	59043	0
##	ENSG00000166800	ENSG00000074319	ENSG00000151116	ENSG00000179119	ENSG00000151117
##	5	6439	2584	4789	376
##	ENSG00000179057	ENSG00000110786	ENSG00000170255	ENSG00000183695	ENSG00000177054
##	11	1	0	0	1075
##	ENSG00000129170	ENSG00000129173	ENSG00000166833	ENSG00000109851	ENSG00000109854
##	0	142	3250	0	1901
##	ENSG00000185238	ENSG00000165970	ENSG00000165973	ENSG00000171714	ENSG00000091664
##	1128	0	0	0	0
##	ENSG00000183161	ENSG00000148935	ENSG00000198168	ENSG00000255359	ENSG00000187398
##	963	43	1514	1	588
##	ENSG00000134343	ENSG00000169550	ENSG00000148942	ENSG00000176971	ENSG00000129151
##	20	0	1	2358	0
##	ENSG00000109881	ENSG00000205213	ENSG00000148943	ENSG00000176697	ENSG00000121621
##	576	2282	3891	16078	945
##	ENSG00000169519	ENSG00000182255	ENSG00000131808	ENSG00000152219	ENSG00000066382
##	1375	0	0	1801	24
##	ENSG00000170959	ENSG00000170946	ENSG00000148950	ENSG00000109911	ENSG00000007372
##	3	1103	406	474	26
##	ENSG00000049449	ENSG00000184937	ENSG00000149100	ENSG00000186714	ENSG00000135378
##	36616	0	10257	2	4
##	ENSG00000060749	ENSG00000121690	ENSG00000176148	ENSG00000280550	ENSG00000176102
##	5227	428	1892	93	2846
##	ENSG00000110422	ENSG00000110427	ENSG00000205177	ENSG00000085063	ENSG00000110429
##	10960	2762	20	81816	2842
##	ENSG00000135363	ENSG00000135387	ENSG00000135372	ENSG00000166016	ENSG00000121691
##	39	46650	4501	966	4021
##	ENSG00000135374	ENSG00000135373	ENSG00000149089	ENSG00000110435	ENSG00000026508
##	0	47	2149	5203	235232
##	ENSG00000110436	ENSG00000149090	ENSG00000179431	ENSG00000166326	ENSG00000179241
##	151	16238	5282	10536	1148
##	ENSG00000110442	ENSG00000135362	ENSG00000175104	ENSG00000166349	ENSG00000175097
##	2716	325	1048	90	2
##	ENSG00000166352	ENSG00000148948	ENSG00000166181	ENSG00000052841	ENSG00000149084
##	639	3	9078	7154	7503

##	ENSG00000166199	ENSG00000187479	ENSG00000205126	ENSG00000110455	ENSG00000151348
##	1280	1399	0	226	16358
##	ENSG00000052850	ENSG00000085117	ENSG00000157570	ENSG00000175274	ENSG00000019485
##	1	19463	88	10498	672
##	ENSG00000019505	ENSG00000175264	ENSG00000181830	ENSG00000121671	ENSG00000121653
##	0	57	7670	2234	1543
##	ENSG00000234776	ENSG00000121680	ENSG00000165905	ENSG00000135365	ENSG00000157613
##	29	1303	5	4035	30884
##	ENSG00000149091	ENSG00000110492	ENSG00000180720	ENSG00000110497	ENSG00000180423
##	7776	7865	9	3733	399
##	ENSG00000175224	ENSG00000175220	ENSG00000175213	ENSG00000180210	ENSG00000175216
##	11463	17629	1502	4	14126
##	ENSG00000134569	ENSG00000149179	ENSG00000149182	ENSG00000165912	ENSG00000134574
##	3800	1755	4879	1153	2548
##	ENSG00000134575	ENSG00000025434	ENSG00000110514	ENSG00000134571	ENSG00000066336
##	3456	403	4293	0	1
##	ENSG00000165915	ENSG00000165916	ENSG00000165917	ENSG00000149187	ENSG00000213619
##	13421	11558	8	11365	3626
##	ENSG00000110536	ENSG00000123444	ENSG00000196666	ENSG00000172247	ENSG00000109919
##	577	609	1	3	9443
##	ENSG00000165923	ENSG00000109920	ENSG00000030066	ENSG00000149177	ENSG00000175619
##	20	4316	4786	3482	0
##	ENSG00000279556	ENSG00000176567	ENSG00000176555	ENSG00000176547	ENSG00000176540
##	0	0	0	0	0
##	ENSG00000237388	ENSG00000182053	ENSG00000214891	ENSG00000086205	ENSG00000258817
##	0	0	0	0	0
##	ENSG00000221954	ENSG00000185926	ENSG00000221840	ENSG00000150244	ENSG00000181961
##	0	0	0	0	0
##	ENSG00000181958	ENSG00000181939	ENSG00000181935	ENSG00000172188	ENSG00000181927
##	0	0	0	0	0
##	ENSG00000174982	ENSG00000181903	ENSG00000198877	ENSG00000186113	ENSG00000186117
##	0	0	0	0	0
##	ENSG00000186119	ENSG00000205030	ENSG00000205029	ENSG00000124900	ENSG00000187612
##	0	0	0	0	0
##	ENSG00000167825	ENSG00000174970	ENSG00000149133	ENSG00000181785	ENSG00000172154
##	0	0	0	0	0
##	ENSG00000181767	ENSG00000181761	ENSG00000167822	ENSG00000181752	ENSG00000174957
##	0	0	0	0	0
##	ENSG00000181718	ENSG00000172489	ENSG00000181698	ENSG00000181693	ENSG00000181689
##	0	0	0	0	0
##	ENSG00000150261	ENSG00000172487	ENSG00000172199	ENSG00000174942	ENSG00000150269
##	0	0	0	0	0
##	ENSG00000174937	ENSG00000181371	ENSG00000255223	ENSG00000254834	ENSG00000255012
##	0	0	0	0	0
##	ENSG00000172464	ENSG00000279911	ENSG00000174914	ENSG00000172457	ENSG00000181273
##	0	0	0	0	0
##	ENSG00000183908	ENSG00000134817	ENSG00000149115	ENSG00000149136	ENSG00000109991
##	0	1	22520	12246	0
##	ENSG00000156575	ENSG00000186652	ENSG00000254979	ENSG00000134802	ENSG00000186907
##	0	0	0	608	54
##	ENSG00000149150	ENSG00000134809	ENSG00000214872	ENSG00000156587	ENSG00000149131
##	2306	1478	2	1955	1727
##	ENSG00000166793	ENSG00000172409	ENSG00000156599	ENSG00000156603	ENSG00000213593
##	75	1425	18127	1280	6439

##	ENSG00000254462	ENSG00000211450	ENSG00000254732	ENSG00000233436	ENSG00000198561
##	1	2836	4	7	29733
##	ENSG00000186509	ENSG00000172381	ENSG00000172377	ENSG00000186513	ENSG00000197887
##	1	0	0	0	0
##	ENSG00000172774	ENSG00000180475	ENSG00000172772	ENSG00000197786	ENSG00000172769
##	0	0	0	0	0
##	ENSG00000172365	ENSG00000172362	ENSG00000198283	ENSG00000110031	ENSG00000186660
##	2	0	0	2647	12479
##	ENSG00000255073	ENSG00000242689	ENSG00000149124	ENSG00000156689	ENSG00000166840
##	0	64	0	21	14
##	ENSG00000189057	ENSG00000166801	ENSG00000110042	ENSG00000197629	ENSG00000176495
##	344	1777	4270	0	0
##	ENSG00000172324	ENSG00000172320	ENSG00000166884	ENSG00000254466	ENSG00000176200
##	0	0	0	0	0
##	ENSG00000172742	ENSG00000110048	ENSG00000166889	ENSG00000172289	ENSG00000166900
##	0	8568	3708	0	2658
##	ENSG00000166902	ENSG00000134812	ENSG00000134827	ENSG00000149507	ENSG00000149516
##	2259	0	0	0	0
##	ENSG00000149534	ENSG00000110077	ENSG00000214787	ENSG00000110079	ENSG00000166926
##	0	0	1	0	0
##	ENSG00000166927	ENSG00000166928	ENSG00000166930	ENSG00000156738	ENSG00000071203
##	0	0	0	1	0
##	ENSG00000204979	ENSG00000166959	ENSG00000214782	ENSG00000166961	ENSG00000172689
##	0	0	0	0	0
##	ENSG00000110104	ENSG00000183134	ENSG00000149506	ENSG00000110107	ENSG00000110108
##	3595	39	35	8097	6943
##	ENSG00000006118	ENSG00000110446	ENSG00000013725	ENSG00000110448	ENSG00000167987
##	19233	404	0	1	2461
##	ENSG00000229859	ENSG00000229183	ENSG00000256713	ENSG00000167992	ENSG00000167986
##	0	0	5	352	43026
##	ENSG00000149476	ENSG00000162144	ENSG00000149483	ENSG00000187049	ENSG00000149532
##	989	3420	2017	405	6887
##	ENSG00000256591	ENSG00000167985	ENSG00000162148	ENSG00000204950	ENSG00000011347
##	26	793	31	3	335
##	ENSG00000134780	ENSG00000124920	ENSG00000134825	ENSG00000168496	ENSG00000134824
##	690	631	3975	2044	16944
##	ENSG00000149485	ENSG00000221968	ENSG00000167994	ENSG00000167995	ENSG00000167996
##	7895	3850	398	205	64287
##	ENSG00000149503	ENSG00000168515	ENSG00000124939	ENSG00000124935	ENSG00000110484
##	2726	0	0	0	0
##	ENSG00000197745	ENSG00000162174	ENSG00000149021	ENSG00000124942	ENSG00000254772
##	0	17	0	216878	0
##	ENSG00000255508	ENSG00000149016	ENSG00000149480	ENSG00000149499	ENSG00000149489
##	249	634	11188	3081	134
##	ENSG00000149541	ENSG00000089597	ENSG00000185085	ENSG00000255432	ENSG00000278615
##	5353	65891	2964	0	19
##	ENSG00000162194	ENSG00000214756	ENSG00000204922	ENSG00000162191	ENSG00000177363
##	122	223	424	6427	70
##	ENSG00000234857	ENSG00000168000	ENSG00000162188	ENSG00000214753	ENSG00000162222
##	60	184	9	3912	2431
##	ENSG00000185670	ENSG00000168002	ENSG00000162227	ENSG00000168569	ENSG00000185475
##	334	3494	756	686	2026
##	ENSG00000162231	ENSG00000162236	ENSG00000133316	ENSG00000168003	ENSG00000168539
##	6031	4368	1267	18531	0

##	ENSG00000197901	ENSG00000149452	ENSG00000197658	ENSG00000184999	ENSG00000196600
##	0	0	0	0	0
##	ENSG00000149742	ENSG00000168004	ENSG00000133317	ENSG00000133321	ENSG00000133328
##	0	0	0	10	1
##	ENSG00000176485	ENSG00000184743	ENSG00000133318	ENSG00000188070	ENSG00000168005
##	199	9254	8764	7671	3550
##	ENSG00000072518	ENSG00000167771	ENSG00000110583	ENSG00000176340	ENSG00000256100
##	4087	145	2672	5877	0
##	ENSG00000167770	ENSG00000133315	ENSG00000126500	ENSG00000168439	ENSG00000149781
##	7076	252	24	21573	101
##	ENSG00000149743	ENSG00000149761	ENSG00000110011	ENSG00000173511	ENSG00000173486
##	1487	1607	1498	4033	2943
##	ENSG00000173457	ENSG00000149782	ENSG00000002330	ENSG00000173264	ENSG00000182450
##	14756	6325	1779	3232	0
##	ENSG00000219435	ENSG00000173153	ENSG00000173113	ENSG00000126432	ENSG00000168071
##	1	2020	6330	12552	66
##	ENSG00000162302	ENSG00000168065	ENSG00000197891	ENSG00000110076	ENSG00000068831
##	4635	0	0	6	10
##	ENSG00000068976	ENSG00000168066	ENSG00000168067	ENSG00000133895	ENSG00000171219
##	3	16006	1707	2226	64
##	ENSG00000110047	ENSG00000110046	ENSG00000068971	ENSG00000149735	ENSG00000168070
##	17952	4432	3675	0	0
##	ENSG00000168062	ENSG00000213465	ENSG00000273003	ENSG00000110025	ENSG00000168061
##	58	1833	1	23	1055
##	ENSG00000168060	ENSG00000146670	ENSG00000162300	ENSG00000187066	ENSG00000149823
##	37	1383	547	36	4305
##	ENSG00000149809	ENSG00000174276	ENSG00000149806	ENSG00000162298	ENSG00000149792
##	415	565	13055	5859	4795
##	ENSG00000204710	ENSG00000014216	ENSG00000014138	ENSG00000149798	ENSG00000133884
##	1	22042	1634	2476	5433
##	ENSG00000173825	ENSG00000162241	ENSG00000126391	ENSG00000279576	ENSG00000142186
##	11	299	6983	0	14738
##	ENSG00000168056	ENSG00000173465	ENSG00000176973	ENSG00000173442	ENSG00000213445
##	15856	1754	910	6216	4086
##	ENSG00000173338	ENSG00000173327	ENSG00000197136	ENSG00000173039	ENSG00000172977
##	11	7981	11722	6036	1542
##	ENSG00000172922	ENSG00000254470	ENSG00000172818	ENSG00000172757	ENSG00000172803
##	1497	2178	0	79739	89
##	ENSG00000172732	ENSG00000172638	ENSG00000172543	ENSG00000172500	ENSG00000175602
##	2638	27894	19	4502	9901
##	ENSG00000175592	ENSG00000175573	ENSG00000175550	ENSG00000175513	ENSG00000175467
##	17060	4934	20367	11	6501
##	ENSG00000175376	ENSG00000175334	ENSG00000175315	ENSG00000175294	ENSG00000175229
##	2648	6277	20	36	2
##	ENSG00000087365	ENSG00000175115	ENSG00000174996	ENSG00000174903	ENSG00000174871
##	22491	7651	6920	12427	387
##	ENSG00000174851	ENSG00000179292	ENSG00000174807	ENSG00000174791	ENSG00000174744
##	7241	18	47976	3401	4909
##	ENSG00000174684	ENSG00000174669	ENSG00000174576	ENSG00000174547	ENSG00000174516
##	3214	93	13	2164	852
##	ENSG00000254986	ENSG00000256349	ENSG00000174483	ENSG00000174165	ENSG00000248746
##	5900	0	25	1906	3
##	ENSG00000174080	ENSG00000182791	ENSG00000173992	ENSG00000239306	ENSG00000248643
##	2189	47	1503	3446	28

##	ENSG00000173933	ENSG00000173914	ENSG00000173898	ENSG00000173715	ENSG00000173653
##	389	2059	285	474	1103
##	ENSG00000173599	ENSG00000173621	ENSG00000173237	ENSG00000173227	ENSG00000173156
##	2374	2569	1	157	511
##	ENSG00000173120	ENSG00000173020	ENSG00000172932	ENSG00000172830	ENSG00000172613
##	10615	5982	3261	2154	471
##	ENSG00000175482	ENSG00000256514	ENSG00000175505	ENSG00000172531	ENSG00000175463
##	1288	1	1999	13428	35
##	ENSG00000172508	ENSG00000175634	ENSG00000172725	ENSG00000213402	ENSG00000175514
##	29	2594	10867	0	0
##	ENSG00000175544	ENSG00000172663	ENSG00000110711	ENSG00000110697	ENSG00000167797
##	2	1531	2653	6891	2151
##	ENSG00000167791	ENSG00000084207	ENSG00000167792	ENSG00000167799	ENSG00000167800
##	0	23298	7363	126	0
##	ENSG00000132744	ENSG00000132746	ENSG00000110057	ENSG00000006534	ENSG00000110717
##	0	3	1962	1169	4759
##	ENSG00000110719	ENSG00000110721	ENSG00000110066	ENSG00000171067	ENSG00000162337
##	6901	925	3389	9057	5211
##	ENSG00000110075	ENSG00000069482	ENSG00000132749	ENSG00000110090	ENSG00000197345
##	7228	1640	85	7294	1570
##	ENSG00000132740	ENSG00000172938	ENSG00000172935	ENSG00000162341	ENSG00000172927
##	2017	0	2687	1371	472
##	ENSG00000110092	ENSG00000149716	ENSG00000281781	ENSG00000162344	ENSG00000075388
##	165015	1480	0	0	0
##	ENSG00000186895	ENSG00000131620	ENSG00000168040	ENSG00000131626	ENSG00000085733
##	0	1045	1120	6053	41120
##	ENSG00000162105	ENSG00000172893	ENSG00000172890	ENSG00000204572	ENSG00000244411
##	1709	8785	4439	0	0
##	ENSG00000241233	ENSG00000254997	ENSG00000204571	ENSG00000158483	ENSG00000184276
##	0	3	1	369	0
##	ENSG00000254469	ENSG00000225805	ENSG00000137522	ENSG00000137496	ENSG00000137497
##	62	4	2253	219	12714
##	ENSG00000184154	ENSG00000149357	ENSG00000110200	ENSG00000110203	ENSG00000110195
##	283	8493	574	14	3
##	ENSG00000165457	ENSG00000165458	ENSG00000165462	ENSG00000162129	ENSG00000186642
##	0	20463	0	1629	8
##	ENSG00000186635	ENSG00000214530	ENSG00000168010	ENSG00000137478	ENSG00000175591
##	8460	1140	392	3398	20
##	ENSG00000171631	ENSG00000110237	ENSG00000054967	ENSG00000054965	ENSG00000021300
##	10	16571	625	7839	27
##	ENSG00000175582	ENSG00000175581	ENSG00000181924	ENSG00000175575	ENSG00000187726
##	17321	995	2929	1079	0
##	ENSG00000175567	ENSG00000175564	ENSG00000168014	ENSG00000214517	ENSG00000149380
##	204	43	3441	7336	2424
##	ENSG00000165434	ENSG00000175538	ENSG00000175536	ENSG00000077514	ENSG00000054938
##	7882	8	44	1054	209
##	ENSG00000166439	ENSG00000166435	ENSG00000118363	ENSG00000162139	ENSG00000171561
##	2117	480	3884	1134	0
##	ENSG00000137491	ENSG00000261594	ENSG00000137486	ENSG00000149273	ENSG00000149243
##	6	8	1233	54307	134
##	ENSG00000158555	ENSG00000149257	ENSG00000171533	ENSG00000166391	ENSG00000062282
##	917	104769	512	0	190
##	ENSG00000198382	ENSG00000085741	ENSG00000137492	ENSG00000179240	ENSG00000158636
##	1942	6	3208	73	2428

##	ENSG00000137507	ENSG00000182704	ENSG00000078124	ENSG00000198488	ENSG00000149260
##	2011	2517	1300	0	4069
##	ENSG00000254550	ENSG00000137474	ENSG00000178795	ENSG00000149269	ENSG00000074201
##	7	9	0	3491	5289
##	ENSG00000178301	ENSG00000048649	ENSG00000087884	ENSG00000149262	ENSG00000151364
##	204	8887	925	2132	13
##	ENSG00000259112	ENSG00000151365	ENSG00000151366	ENSG00000159063	ENSG00000188997
##	0	2	1845	2858	1313
##	ENSG00000118369	ENSG00000033327	ENSG00000137513	ENSG00000149256	ENSG00000182103
##	1374	2232	1001	4314	1
##	ENSG00000137509	ENSG00000165490	ENSG00000137502	ENSG00000165494	ENSG00000137494
##	7637	529	2145	2744	2338
##	ENSG00000137500	ENSG00000150672	ENSG00000171204	ENSG00000171202	ENSG00000137504
##	3679	38	1716	1251	2865
##	ENSG00000179071	ENSG00000137501	ENSG00000150676	ENSG00000073921	ENSG00000074266
##	95	2445	0	29987	1090
##	ENSG00000149196	ENSG00000149201	ENSG00000151376	ENSG00000150687	ENSG00000174804
##	2298	168	524	21752	1318
##	ENSG00000166575	ENSG00000123892	ENSG00000109861	ENSG00000168959	ENSG00000077498
##	1318	188	35066	0	1
##	ENSG00000086991	ENSG00000214414	ENSG00000168930	ENSG00000189253	ENSG00000223417
##	938	0	0	0	0
##	ENSG00000233802	ENSG00000204450	ENSG00000204449	ENSG00000255009	ENSG00000077616
##	0	0	0	0	51
##	ENSG00000110172	ENSG00000165323	ENSG00000134640	ENSG00000180773	ENSG00000165325
##	3720	303	15	2462	0
##	ENSG00000166002	ENSG00000166004	ENSG00000166012	ENSG00000182919	ENSG00000042429
##	232	1029	4007	1509	4007
##	ENSG00000214376	ENSG00000181333	ENSG00000110218	ENSG00000183560	ENSG00000123901
##	17	29	7729	0	10
##	ENSG00000020922	ENSG00000168876	ENSG00000134627	ENSG00000196371	ENSG00000166025
##	1357	676	41	731	12927
##	ENSG00000150316	ENSG00000186280	ENSG00000235268	ENSG00000263465	ENSG00000149218
##	3516	59	0	2745	2263
##	ENSG00000149212	ENSG00000077458	ENSG00000166037	ENSG00000087053	ENSG00000184384
##	1142	1092	2705	9293	4789
##	ENSG00000149231	ENSG00000183340	ENSG00000149972	ENSG00000165895	ENSG00000170647
##	2760	1518	0	1232	313
##	ENSG00000082175	ENSG00000137672	ENSG00000187151	ENSG00000110318	ENSG00000137691
##	3	613	2	706	90
##	ENSG00000137693	ENSG00000023445	ENSG00000110330	ENSG00000152558	ENSG00000137673
##	24749	472	12792	19331	5
##	ENSG00000137674	ENSG00000137675	ENSG00000118113	ENSG00000166670	ENSG00000196611
##	0	0	9	397	73841
##	ENSG00000149968	ENSG00000262406	ENSG00000137745	ENSG00000137692	ENSG00000187240
##	3947	51	16	3410	3619
##	ENSG00000170962	ENSG00000170967	ENSG00000196954	ENSG00000137757	ENSG00000137752
##	2817	0	10314	2	1876
##	ENSG00000204397	ENSG00000255221	ENSG00000255501	ENSG00000152578	ENSG00000170903
##	907	0	1	2058	3488
##	ENSG00000182359	ENSG00000149313	ENSG00000152402	ENSG00000152404	ENSG00000137760
##	172	4777	26	968	919
##	ENSG00000110675	ENSG00000170290	ENSG00000110660	ENSG00000179331	ENSG00000166266
##	105	1	1121	0	4879

##	ENSG00000075239	ENSG000000149308	ENSG000000149311	ENSG000000166323	ENSG000000178202
##	3804	2107	7483	32	6352
##	ENSG000000110723	ENSG000000178105	ENSG000000185742	ENSG000000149289	ENSG000000137710
##	68	6300	65	1562	12531
##	ENSG000000137714	ENSG000000137727	ENSG000000150750	ENSG000000214290	ENSG000000110777
##	1811	544	0	2	1
##	ENSG000000137707	ENSG000000183644	ENSG000000204381	ENSG000000170145	ENSG000000137713
##	2	42	6689	6244	3280
##	ENSG000000086848	ENSG000000258529	ENSG000000255561	ENSG000000137720	ENSG000000109846
##	779	0	111	283	525
##	ENSG000000170276	ENSG000000254445	ENSG000000149300	ENSG000000150764	ENSG000000150768
##	4	0	0	1806	6019
##	ENSG000000150773	ENSG000000150776	ENSG000000150779	ENSG000000204370	ENSG000000255292
##	29	3004	2153	3574	1
##	ENSG000000150782	ENSG000000150783	ENSG000000197580	ENSG000000150787	ENSG000000188771
##	34	2	17	2291	2
##	ENSG000000149294	ENSG000000149292	ENSG000000170209	ENSG000000149295	ENSG000000166682
##	4	352	0	1	6
##	ENSG000000086827	ENSG000000228607	ENSG000000048028	ENSG000000149305	ENSG000000166736
##	2446	0	1071	0	0
##	ENSG000000109906	ENSG000000166741	ENSG000000180425	ENSG000000282682	ENSG000000076053
##	0	1624	102	0	2747
##	ENSG000000255663	ENSG000000076043	ENSG000000095110	ENSG000000137634	ENSG000000204361
##	1	7572	2	1	3
##	ENSG000000182985	ENSG000000137656	ENSG000000109917	ENSG000000110243	ENSG000000110244
##	23484	964	5066	0	0
##	ENSG000000110245	ENSG000000118137	ENSG000000160584	ENSG000000168092	ENSG000000149577
##	0	11	4472	10770	5615
##	ENSG000000149591	ENSG000000160613	ENSG000000167257	ENSG000000186318	ENSG000000110274
##	56771	5706	1664	11128	3687
##	ENSG000000177103	ENSG000000137731	ENSG000000137726	ENSG000000255245	ENSG000000137747
##	0	0	14	0	0
##	ENSG000000110324	ENSG000000279906	ENSG000000137648	ENSG000000177098	ENSG000000149575
##	1	0	0	520	48
##	ENSG000000160593	ENSG000000160588	ENSG000000149573	ENSG000000198851	ENSG000000167286
##	0	84	0	0	0
##	ENSG000000160654	ENSG000000110344	ENSG000000167283	ENSG000000118058	ENSG000000172425
##	0	6458	7458	5488	20
##	ENSG000000149582	ENSG000000118096	ENSG000000095139	ENSG00000019144	ENSG000000118094
##	1957	1554	40783	22872	82
##	ENSG000000110367	ENSG000000160683	ENSG000000186174	ENSG000000110375	ENSG000000176302
##	18317	0	13496	15	1
##	ENSG000000186166	ENSG000000118181	ENSG000000196655	ENSG000000137700	ENSG000000149428
##	677	23148	3233	470	34059
##	ENSG000000160695	ENSG000000256269	ENSG000000188486	ENSG000000172269	ENSG000000172375
##	3304	2162	4176	4432	1970
##	ENSG000000172273	ENSG000000172350	ENSG000000160703	ENSG000000172367	ENSG000000248712
##	1013	36	825	0	26
##	ENSG000000110395	ENSG000000076706	ENSG000000173456	ENSG000000259159	ENSG000000223953
##	6095	10175	4584	2	0
##	ENSG000000235718	ENSG000000036672	ENSG000000154096	ENSG000000110400	ENSG000000137699
##	0	49	52485	1877	9
##	ENSG000000184232	ENSG000000137709	ENSG000000181264	ENSG000000196914	ENSG000000149403
##	8326	1	1278	36570	263

##	ENSG00000154114	ENSG00000109927	ENSG00000109929	ENSG00000137642	ENSG00000259571
##	4028	39	5088	815	5
##	ENSG00000154127	ENSG00000109943	ENSG00000109944	ENSG00000188909	ENSG00000109971
##	13723	2	159	0	167026
##	ENSG00000166250	ENSG00000023171	ENSG00000166257	ENSG00000166261	ENSG00000221931
##	21591	779	38	965	0
##	ENSG00000196099	ENSG00000204300	ENSG00000181518	ENSG00000171014	ENSG00000181499
##	0	0	0	0	0
##	ENSG00000196248	ENSG00000198674	ENSG00000254737	ENSG00000236981	ENSG00000234560
##	0	0	0	0	0
##	ENSG00000182634	ENSG00000110002	ENSG00000197309	ENSG00000197849	ENSG00000255298
##	0	5779	0	0	0
##	ENSG00000196341	ENSG00000197263	ENSG00000204293	ENSG00000196661	ENSG00000198657
##	5	0	0	0	0
##	ENSG00000197125	ENSG00000170953	ENSG00000196119	ENSG00000154143	ENSG00000154144
##	0	0	0	2	2886
##	ENSG00000110013	ENSG00000064199	ENSG00000154146	ENSG00000019102	ENSG00000149564
##	1717	317	1044	23	45
##	ENSG00000120458	ENSG00000279342	ENSG00000154134	ENSG00000154133	ENSG00000165478
##	809	15	958	168	2
##	ENSG00000221932	ENSG00000149548	ENSG00000134955	ENSG00000150433	ENSG00000165495
##	0	195	132	960	307
##	ENSG00000149557	ENSG00000149547	ENSG00000134910	ENSG00000149554	ENSG00000134940
##	2946	15442	32831	1656	13
##	ENSG00000171053	ENSG00000196844	ENSG00000236027	ENSG00000237353	ENSG00000198331
##	0	0	0	0	434
##	ENSG00000110060	ENSG00000109832	ENSG00000064309	ENSG00000165526	ENSG00000197798
##	871	0	220	1712	1642
##	ENSG00000182934	ENSG00000110074	ENSG00000150455	ENSG00000110063	ENSG00000110080
##	25832	953	485	821	1279
##	ENSG00000149571	ENSG00000134954	ENSG00000151702	ENSG00000151704	ENSG00000120457
##	1103	13712	1424	0	13
##	ENSG00000174370	ENSG00000120471	ENSG00000134909	ENSG00000043039	ENSG00000151715
##	39	2	1918	0	7
##	ENSG00000170322	ENSG00000170325	ENSG00000084234	ENSG00000149418	ENSG00000196323
##	2724	1275	43604	1	1717
##	ENSG00000134917	ENSG00000166106	ENSG00000120451	ENSG00000182667	ENSG00000183715
##	303	890	15984	4380	87
##	ENSG00000166118	ENSG00000080854	ENSG00000166086	ENSG00000151503	ENSG00000151502
##	0	6	6307	2798	6510
##	ENSG00000151500	ENSG00000151498	ENSG00000166105	ENSG00000149328	ENSG00000109956
##	1389	2356	1	9	3
##	ENSG00000261456	ENSG00000015171	ENSG00000151240	ENSG00000180525	ENSG00000107929
##	6	9109	8827	115	5702
##	ENSG00000107937	ENSG00000148377	ENSG00000067064	ENSG00000047056	ENSG00000185736
##	7940	2	6456	6035	2
##	ENSG00000067057	ENSG00000107959	ENSG00000067082	ENSG00000165568	ENSG00000151632
##	25021	12664	15777	64	307
##	ENSG00000187134	ENSG00000196139	ENSG00000198610	ENSG00000178473	ENSG00000178462
##	2484	66	0	0	0
##	ENSG00000173848	ENSG00000178372	ENSG00000178363	ENSG00000196372	ENSG00000108021
##	2083	0	0	907	8126
##	ENSG00000057608	ENSG00000134461	ENSG00000134452	ENSG00000134470	ENSG00000134460
##	22372	361	7264	1042	0

##	ENSG00000134453	ENSG00000170525	ENSG00000065675	ENSG00000198879	ENSG00000123243
##	5469	12147	11	465	75
##	ENSG00000151655	ENSG00000151657	ENSG00000165629	ENSG00000165632	ENSG00000107485
##	8	1130	10780	1490	50
##	ENSG00000048740	ENSG00000148429	ENSG00000134463	ENSG00000148426	ENSG00000151461
##	1869	1715	105	348	5138
##	ENSG00000181192	ENSG00000065665	ENSG00000165609	ENSG00000151465	ENSG00000183049
##	2313	891	3692	4828	1835
##	ENSG00000151468	ENSG00000123240	ENSG00000065328	ENSG00000165623	ENSG00000107537
##	142	11969	616	0	1364
##	ENSG00000086475	ENSG00000165626	ENSG00000165630	ENSG00000282246	ENSG00000151474
##	4532	501	683	1	10383
##	ENSG00000065809	ENSG00000185267	ENSG00000187522	ENSG00000152455	ENSG00000152457
##	6012	45	2785	647	754
##	ENSG00000197889	ENSG00000152463	ENSG00000176244	ENSG00000152464	ENSG00000152465
##	7	18	21	553	2138
##	ENSG00000148468	ENSG00000077943	ENSG00000148481	ENSG00000165983	ENSG00000165985
##	5866	1028	3395	204	9
##	ENSG00000148484	ENSG00000107611	ENSG00000107614	ENSG00000026025	ENSG00000148488
##	14336	94	465	162011	22
##	ENSG00000165996	ENSG00000136738	ENSG00000148483	ENSG00000260314	ENSG00000148482
##	1261	3275	9	0	1
##	ENSG00000165995	ENSG00000241058	ENSG00000165997	ENSG00000204740	ENSG00000120594
##	84	421	6939	25	4468
##	ENSG00000078114	ENSG00000204683	ENSG00000204682	ENSG00000180592	ENSG00000078403
##	1	0	348	66	2309
##	ENSG00000136770	ENSG00000223601	ENSG00000148444	ENSG00000269897	ENSG00000168283
##	2573	0	794	0	2609
##	ENSG00000077327	ENSG00000150867	ENSG00000165309	ENSG00000148450	ENSG00000168267
##	1	3973	0	920	0
##	ENSG00000179133	ENSG00000165312	ENSG00000120549	ENSG00000107863	ENSG00000099256
##	13	560	1459	15445	883
##	ENSG00000151023	ENSG00000185875	ENSG00000151025	ENSG00000095777	ENSG00000136750
##	11	360	2	0	0
##	ENSG00000077420	ENSG00000148459	ENSG00000136754	ENSG00000107890	ENSG00000136758
##	8	439	5478	1681	22430
##	ENSG00000120539	ENSG00000107897	ENSG00000182077	ENSG00000099246	ENSG00000150051
##	1076	2752	0	12186	35
##	ENSG00000169126	ENSG00000150054	ENSG00000095787	ENSG00000095739	ENSG00000120563
##	39	79	10415	1645	0
##	ENSG00000197321	ENSG00000165757	ENSG00000107951	ENSG00000107968	ENSG00000151033
##	26388	20183	1707	133	0
##	ENSG00000183621	ENSG00000148516	ENSG00000165322	ENSG00000170759	ENSG00000120616
##	436	22357	3146	25769	1648
##	ENSG00000216937	ENSG00000150076	ENSG00000150093	ENSG00000099250	ENSG00000148498
##	63	13	261832	33899	4416
##	ENSG00000108094	ENSG00000095794	ENSG00000108100	ENSG00000177291	ENSG00000177283
##	4797	1883	8585	6	4580
##	ENSG00000148513	ENSG00000256892	ENSG00000198105	ENSG00000175395	ENSG00000189180
##	0	0	849	1620	1786
##	ENSG00000075407	ENSG00000196693	ENSG00000165733	ENSG00000165731	ENSG00000169826
##	2739	1157	7174	60	12269
##	ENSG00000198915	ENSG00000150201	ENSG00000169813	ENSG00000243660	ENSG00000196793
##	14	0	15498	166	363

##	ENSG00000198298	ENSG00000169740	ENSG00000277288	ENSG00000107562	ENSG00000187783
##	136	1186	0	1363	0
##	ENSG00000107551	ENSG00000165507	ENSG00000165512	ENSG00000256574	ENSG00000012779
##	512	602	949	0	0
##	ENSG00000165406	ENSG00000172671	ENSG00000172661	ENSG00000188234	ENSG00000265354
##	3078	233	5529	158	5816
##	ENSG00000266412	ENSG00000263639	ENSG00000274209	ENSG00000279058	ENSG00000264230
##	22806	1	3	8	222
##	ENSG00000204174	ENSG00000204175	ENSG00000204176	ENSG00000204179	ENSG00000266524
##	2	1	48	2	62
##	ENSG00000263761	ENSG00000265203	ENSG00000265763	ENSG00000265190	ENSG00000189090
##	3	0	18	9	0
##	ENSG00000204172	ENSG00000277758	ENSG00000276430	ENSG00000170324	ENSG00000107643
##	168	104	0	2	4070
##	ENSG00000128805	ENSG00000128815	ENSG00000165383	ENSG00000165633	ENSG00000172538
##	6837	0	0	909	0
##	ENSG00000204161	ENSG00000177354	ENSG00000165606	ENSG00000225830	ENSG00000243251
##	2	0	6	805	1
##	ENSG00000258838	ENSG00000070748	ENSG00000187714	ENSG00000178645	ENSG00000197444
##	0	0	0	0	15
##	ENSG00000227345	ENSG00000204152	ENSG00000204149	ENSG00000099290	ENSG00000188611
##	2505	909	424	5566	174
##	ENSG00000198964	ENSG00000204147	ENSG00000148584	ENSG00000185532	ENSG00000177613
##	2337	454	0	5150	2897
##	ENSG00000107984	ENSG00000165471	ENSG00000150275	ENSG00000249860	ENSG00000122952
##	5355	0	0	0	2551
##	ENSG00000151151	ENSG00000122873	ENSG00000072401	ENSG00000108064	ENSG00000122870
##	1427	2016	3780	2156	8497
##	ENSG00000165443	ENSG00000148541	ENSG00000165449	ENSG00000227877	ENSG00000108091
##	1	139	43	1	9229
##	ENSG00000151150	ENSG00000170312	ENSG00000072422	ENSG00000196932	ENSG00000183346
##	116	1511	2418	586	24
##	ENSG00000150347	ENSG00000182010	ENSG00000138311	ENSG00000181915	ENSG00000122877
##	27700	274	586	3323	570
##	ENSG00000148572	ENSG00000171988	ENSG00000165476	ENSG00000183230	ENSG00000198739
##	3333	7439	9027	3	0
##	ENSG00000108176	ENSG00000096717	ENSG00000148634	ENSG00000138347	ENSG00000179774
##	165	2891	14570	1261	3
##	ENSG00000108187	ENSG00000096746	ENSG00000204130	ENSG00000138346	ENSG00000122912
##	444	9025	1506	449	1782
##	ENSG00000138336	ENSG00000060339	ENSG00000165730	ENSG00000107625	ENSG00000165732
##	424	10329	10	3952	18502
##	ENSG00000198954	ENSG00000122862	ENSG00000122958	ENSG00000156502	ENSG00000156510
##	5578	471	7380	1791	14
##	ENSG00000156515	ENSG00000075073	ENSG00000099282	ENSG00000122859	ENSG00000171224
##	18427	28	9	0	25
##	ENSG00000197467	ENSG00000099284	ENSG00000042286	ENSG00000156521	ENSG00000079332
##	3818	1844	1867	986	16634
##	ENSG00000180817	ENSG00000148734	ENSG00000172731	ENSG00000148730	ENSG00000156574
##	6542	0	570	20955	2
##	ENSG00000107719	ENSG00000180644	ENSG00000138316	ENSG00000166220	ENSG00000166224
##	63	0	186	0	4374
##	ENSG00000166228	ENSG00000107731	ENSG00000198246	ENSG00000107736	ENSG00000214688
##	1159	4671	564	1	0

##	ENSG00000107738	ENSG00000197746	ENSG00000122863	ENSG00000107742	ENSG00000138303
##	736	102264	6610	8	1400
##	ENSG00000166295	ENSG00000168209	ENSG00000148719	ENSG00000107745	ENSG00000156026
##	3068	829	4729	7746	3702
##	ENSG00000138315	ENSG00000138308	ENSG00000122884	ENSG00000166321	ENSG00000122882
##	2	1	21972	117	3517
##	ENSG00000138286	ENSG00000213551	ENSG00000182180	ENSG00000156042	ENSG00000138279
##	1755	1330	5300	38	8490
##	ENSG00000166343	ENSG00000107758	ENSG00000166348	ENSG00000177791	ENSG00000166317
##	90	9082	749	12	108
##	ENSG00000172650	ENSG00000176986	ENSG00000196968	ENSG00000172586	ENSG00000214655
##	12	8468	3678	1686	7642
##	ENSG00000272916	ENSG00000166507	ENSG00000148660	ENSG00000122861	ENSG00000222047
##	2	78	4319	177447	290
##	ENSG00000035403	ENSG00000185009	ENSG00000156110	ENSG00000156650	ENSG00000188716
##	82761	7812	2560	5149	0
##	ENSG00000079393	ENSG00000156671	ENSG00000165637	ENSG00000165644	ENSG00000165655
##	2	8496	15174	330	4103
##	ENSG00000148655	ENSG00000281042	ENSG00000156113	ENSG00000151208	ENSG00000148606
##	45	0	13382	12758	5964
##	ENSG00000138326	ENSG00000108175	ENSG00000108179	ENSG00000165424	ENSG00000253626
##	42118	20238	8817	8370	203
##	ENSG00000185303	ENSG00000122852	ENSG00000188199	ENSG00000228570	ENSG00000133661
##	1	0	12	0	1
##	ENSG00000133678	ENSG00000189129	ENSG00000122359	ENSG00000151224	ENSG00000170788
##	581	695	20004	0	0
##	ENSG00000133665	ENSG00000122378	ENSG00000108219	ENSG00000178217	ENSG00000185737
##	0	934	8627	0	1
##	ENSG00000165678	ENSG00000188373	ENSG00000148600	ENSG00000204033	ENSG00000148602
##	15850	0	2	0	0
##	ENSG00000148604	ENSG00000107771	ENSG00000182771	ENSG00000062650	ENSG00000122375
##	0	9165	6	7383	0
##	ENSG00000122367	ENSG00000107779	ENSG00000173269	ENSG00000173267	ENSG00000148671
##	105	4787	33	212	0
##	ENSG00000188100	ENSG00000148672	ENSG00000122376	ENSG00000184923	ENSG00000214562
##	0	13961	2943	23	39
##	ENSG00000107789	ENSG00000198682	ENSG00000138138	ENSG00000227268	ENSG00000171862
##	5253	16505	6696	95	13620
##	ENSG00000184719	ENSG00000204022	ENSG00000182333	ENSG00000204021	ENSG00000204020
##	153	1	0	0	0
##	ENSG00000173239	ENSG00000152766	ENSG00000138134	ENSG00000107796	ENSG00000026103
##	0	3	4436	21819	5594
##	ENSG00000138135	ENSG00000107798	ENSG00000119922	ENSG00000119917	ENSG00000204010
##	8	4944	276	791	2
##	ENSG00000185745	ENSG00000152778	ENSG00000152779	ENSG00000152782	ENSG00000138182
##	215	1764	117	531	1874
##	ENSG00000148680	ENSG00000148688	ENSG00000148677	ENSG00000180628	ENSG00000165338
##	779	1799	948	2864	1777
##	ENSG00000119938	ENSG00000107854	ENSG00000174721	ENSG00000095564	ENSG00000107864
##	3695	16315	78	6230	103
##	ENSG00000198060	ENSG00000119912	ENSG00000138160	ENSG00000152804	ENSG00000138190
##	5664	5779	2639	846	1850
##	ENSG00000187553	ENSG00000095596	ENSG00000138119	ENSG00000138180	ENSG00000186188
##	6	4	76389	2097	0

##	ENSG00000138207	ENSG00000095464	ENSG00000148690	ENSG00000108231	ENSG00000176273
##	11	11	1659	0	558
##	ENSG00000138193	ENSG00000173145	ENSG00000108239	ENSG00000119969	ENSG00000108242
##	560	2195	1201	812	0
##	ENSG00000276490	ENSG00000165841	ENSG00000138109	ENSG00000138115	ENSG00000173124
##	0	0	0	0	0
##	ENSG00000107438	ENSG00000095637	ENSG00000059573	ENSG00000119977	ENSG00000138185
##	17274	54	11802	5052	1112
##	ENSG00000270099	ENSG00000173088	ENSG00000188649	ENSG00000107443	ENSG00000177853
##	0	11	0	1047	1138
##	ENSG00000095585	ENSG00000107447	ENSG00000197430	ENSG00000095587	ENSG00000077147
##	0	0	0	34	32508
##	ENSG00000155629	ENSG00000196233	ENSG00000155640	ENSG00000187122	ENSG00000269891
##	45	2933	842	4	0
##	ENSG00000213390	ENSG00000165879	ENSG00000181274	ENSG00000052749	ENSG00000171314
##	1029	266	693	4867	16294
##	ENSG00000171311	ENSG00000171307	ENSG00000155229	ENSG00000165886	ENSG00000165887
##	1896	4010	7035	6385	10
##	ENSG00000241935	ENSG00000249967	ENSG00000203942	ENSG00000171160	ENSG00000155252
##	3	0	0	882	5682
##	ENSG00000119986	ENSG00000155254	ENSG00000155256	ENSG00000120057	ENSG00000155265
##	1986	15553	2939	0	2
##	ENSG00000095713	ENSG00000166024	ENSG00000138131	ENSG00000119943	ENSG00000107521
##	0	1661	2078	381	5059
##	ENSG00000172987	ENSG00000119946	ENSG00000120053	ENSG00000119919	ENSG00000155287
##	3	170	3537	0	1005
##	ENSG00000198018	ENSG00000119929	ENSG00000014919	ENSG00000023839	ENSG00000107554
##	3807	659	2485	50	4858
##	ENSG00000120054	ENSG00000107566	ENSG00000213341	ENSG00000095485	ENSG00000196072
##	0	3514	4046	1218	3880
##	ENSG00000107593	ENSG00000099194	ENSG00000075290	ENSG00000075826	ENSG00000255339
##	0	25805	0	161	0
##	ENSG00000166136	ENSG00000166135	ENSG00000075891	ENSG00000119906	ENSG00000055950
##	850	6423	0	4393	3592
##	ENSG00000095539	ENSG00000107815	ENSG00000107816	ENSG00000186862	ENSG00000107819
##	358	1152	8276	40	6400
##	ENSG00000107821	ENSG00000107807	ENSG00000138136	ENSG00000166167	ENSG00000166171
##	1069	0	1	5766	1347
##	ENSG00000166169	ENSG00000107829	ENSG00000107831	ENSG00000107833	ENSG00000198408
##	1357	1207	1	1704	14765
##	ENSG00000120049	ENSG00000120029	ENSG00000166189	ENSG00000198728	ENSG00000148840
##	15	3487	2454	8336	6427
##	ENSG00000166197	ENSG00000119915	ENSG00000107859	ENSG00000107862	ENSG00000077150
##	6678	14	6	19207	4479
##	ENSG00000059915	ENSG00000107872	ENSG00000107874	ENSG00000138111	ENSG00000138107
##	550	642	4281	135	21730
##	ENSG00000107882	ENSG00000171206	ENSG00000138175	ENSG00000156398	ENSG00000166272
##	3693	9828	3399	167	5430
##	ENSG00000148795	ENSG00000166275	ENSG00000270316	ENSG00000214435	ENSG00000148842
##	1	1223	0	2	4574
##	ENSG00000076685	ENSG00000235376	ENSG00000148798	ENSG00000156374	ENSG00000148835
##	3896	8	1514	823	734
##	ENSG00000173915	ENSG00000148843	ENSG00000138172	ENSG00000185933	ENSG00000183128
##	4592	8946	551	1	0

##	ENSG00000107954	ENSG00000107957	ENSG00000107960	ENSG00000065613	ENSG00000065618
##	68	32154	1202	9067	27
##	ENSG00000156384	ENSG00000197748	ENSG00000148834	ENSG00000065621	ENSG00000148841
##	215	4	15276	637	8959
##	ENSG00000120051	ENSG00000156395	ENSG00000108018	ENSG00000108039	ENSG00000148700
##	88	0	3	8354	26591
##	ENSG00000119950	ENSG00000119953	ENSG00000138166	ENSG00000108055	ENSG00000203867
##	1032	3357	3541	4889	116
##	ENSG00000150593	ENSG00000214413	ENSG00000108061	ENSG00000150594	ENSG00000119927
##	5148	890	6591	2	1241
##	ENSG00000119913	ENSG00000197142	ENSG00000203041	ENSG00000151532	ENSG00000148737
##	0	122	2206	2851	1713
##	ENSG00000148702	ENSG00000197893	ENSG00000165806	ENSG00000148735	ENSG00000198924
##	0	0	1930	0	541
##	ENSG00000196865	ENSG00000043591	ENSG00000165813	ENSG00000095627	ENSG00000165816
##	2438	0	2603	0	0
##	ENSG00000169129	ENSG00000099204	ENSG00000151553	ENSG00000165832	ENSG00000107518
##	66	1899	4918	2771	294
##	ENSG00000151892	ENSG00000182645	ENSG00000203837	ENSG00000175535	ENSG00000187021
##	1597	0	0	0	0
##	ENSG00000165863	ENSG00000165868	ENSG00000188316	ENSG00000187164	ENSG00000148704
##	10	2516	7	732	0
##	ENSG00000186795	ENSG00000165646	ENSG00000165650	ENSG00000170370	ENSG00000107560
##	0	18	5051	0	1821
##	ENSG00000165669	ENSG00000119973	ENSG00000151893	ENSG00000188613	ENSG00000107581
##	2705	0	4011	29	54441
##	ENSG00000119979	ENSG00000183605	ENSG00000165672	ENSG00000198873	ENSG00000148908
##	4090	680	14241	6737	4995
##	ENSG00000151923	ENSG00000151929	ENSG00000198825	ENSG00000197771	ENSG00000107651
##	7155	11680	4795	4613	10041
##	ENSG00000203805	ENSG00000120008	ENSG00000066468	ENSG00000107669	ENSG00000107672
##	103	6390	0	2859	887
##	ENSG00000138162	ENSG00000138152	ENSG00000107679	ENSG00000254636	ENSG00000166033
##	3525	3	1892	0	15732
##	ENSG00000187908	ENSG00000183559	ENSG00000138161	ENSG00000213185	ENSG00000203795
##	0	0	25	26	0
##	ENSG00000119965	ENSG00000179988	ENSG00000095574	ENSG00000196177	ENSG00000188620
##	1432	226	1205	1620	0
##	ENSG00000188816	ENSG00000154473	ENSG00000154478	ENSG00000121898	ENSG00000182022
##	0	10174	0	7	31
##	ENSG00000065154	ENSG00000229544	ENSG00000107902	ENSG00000258539	ENSG00000189319
##	11218	0	256	5	1407
##	ENSG00000203791	ENSG00000165660	ENSG00000019995	ENSG00000175029	ENSG00000175018
##	600	2118	2878	5524	0
##	ENSG00000107938	ENSG00000154485	ENSG00000188690	ENSG00000107949	ENSG00000089876
##	1566	4	4820	3949	3714
##	ENSG00000203780	ENSG00000148848	ENSG00000154493	ENSG00000150760	ENSG00000188916
##	257	4731	3	12364	102
##	ENSG00000214285	ENSG00000186766	ENSG00000180745	ENSG00000132334	ENSG00000148773
##	0	0	0	820	10677
##	ENSG00000170430	ENSG00000108001	ENSG00000108010	ENSG00000176769	ENSG00000175470
##	1185	187	7536	2	2711
##	ENSG00000176171	ENSG00000188385	ENSG00000151640	ENSG00000165752	ENSG00000148814
##	7938	31	5651	916	615

##	ENSG00000171813	ENSG00000068383	ENSG00000148826	ENSG00000171811	ENSG00000197177
##	930	4035	4	104	0
##	ENSG00000171798	ENSG00000171794	ENSG00000151650	ENSG00000151651	ENSG00000130640
##	357	0	6	64	9200
##	ENSG00000198546	ENSG00000165828	ENSG00000130643	ENSG00000148803	ENSG00000127884
##	481	6	36	618	10037
##	ENSG00000148832	ENSG00000254536	ENSG00000148824	ENSG00000203772	ENSG00000130649
##	345	1	288	657	63
##	ENSG00000171772	ENSG00000225899	ENSG00000120645	ENSG00000111181	ENSG00000010379
##	2	0	51	13	5
##	ENSG00000073614	ENSG00000120647	ENSG00000139044	ENSG00000171840	ENSG00000060237
##	6819	793	12	0	13949
##	ENSG00000002016	ENSG00000082805	ENSG00000111186	ENSG00000171823	ENSG00000006831
##	412	10595	9935	874	8574
##	ENSG00000151062	ENSG00000166159	ENSG00000151065	ENSG00000151067	ENSG00000004478
##	33	0	1433	1422	6946
##	ENSG00000111203	ENSG00000053702	ENSG00000111206	ENSG00000171792	ENSG00000078246
##	1002	100	2862	1582	4208
##	ENSG00000197905	ENSG00000011105	ENSG00000111218	ENSG00000130038	ENSG00000111224
##	738	8295	0	15	932
##	ENSG00000118971	ENSG00000078237	ENSG00000118972	ENSG00000111241	ENSG00000047621
##	4394	4135	0	0	1794
##	ENSG00000111247	ENSG00000010219	ENSG00000272921	ENSG00000111254	ENSG00000139180
##	478	1110	0	34	1046
##	ENSG00000255639	ENSG00000130035	ENSG00000151079	ENSG00000111262	ENSG00000130037
##	0	0	0	0	0
##	ENSG00000185652	ENSG00000047617	ENSG00000110799	ENSG00000010278	ENSG00000008323
##	850	8	148	8333	51
##	ENSG00000067182	ENSG00000111319	ENSG00000111321	ENSG00000139193	ENSG00000139192
##	11939	7	8432	5	414
##	ENSG00000139190	ENSG00000111639	ENSG00000010292	ENSG00000111640	ENSG00000010295
##	460	5791	7661	226979	3123
##	ENSG00000111641	ENSG00000111642	ENSG00000184574	ENSG00000111644	ENSG00000111653
##	3919	33561	0	8	1645
##	ENSG00000126746	ENSG00000139200	ENSG00000111652	ENSG00000089693	ENSG00000159335
##	2309	1363	7296	26014	28747
##	ENSG00000089692	ENSG00000010610	ENSG00000250510	ENSG00000110811	ENSG00000111664
##	16	3597	517	13682	168
##	ENSG00000111665	ENSG00000111667	ENSG00000111669	ENSG00000111671	ENSG00000010626
##	995	12323	48694	327	368
##	ENSG00000111674	ENSG00000111676	ENSG00000111678	ENSG00000111679	ENSG00000215021
##	3080	24781	1740	6	11706
##	ENSG00000126749	ENSG00000268439	ENSG00000111684	ENSG00000182326	ENSG00000159403
##	466	13	1140	16830	7650
##	ENSG00000139178	ENSG00000139194	ENSG00000139182	ENSG00000139197	ENSG00000215009
##	1210	99	3141	2539	2
##	ENSG00000177675	ENSG00000177575	ENSG00000111701	ENSG00000184344	ENSG00000187569
##	171	0	0	0	0
##	ENSG00000198178	ENSG00000205857	ENSG00000111704	ENSG00000173262	ENSG00000059804
##	0	0	1	256	21770
##	ENSG00000065970	ENSG00000171860	ENSG00000089818	ENSG00000111729	ENSG00000196946
##	3351	15	3810	15	0
##	ENSG00000171847	ENSG00000205846	ENSG00000166527	ENSG00000166523	ENSG00000111732
##	10	0	0	0	0

##	ENSG00000197614	ENSG00000166532	ENSG00000166535	ENSG00000111752	ENSG00000003056
##	41	843	3	1415	8845
##	ENSG00000139187	ENSG00000175899	ENSG00000126838	ENSG00000111796	ENSG00000069493
##	32	1776	0	0	183
##	ENSG00000184293	ENSG00000110848	ENSG00000150045	ENSG00000110852	ENSG00000256797
##	0	94	1	172	0
##	ENSG00000188393	ENSG00000172322	ENSG00000165682	ENSG00000256660	ENSG00000197992
##	0	0	0	2	0
##	ENSG00000150048	ENSG00000172243	ENSG00000173391	ENSG00000165685	ENSG00000139112
##	6	0	1019	321	16496
##	ENSG00000134539	ENSG00000255819	ENSG00000213809	ENSG00000183542	ENSG00000255641
##	8	0	1	0	0
##	ENSG00000205810	ENSG00000205809	ENSG00000134545	ENSG00000180574	ENSG00000111196
##	0	0	0	78	1127
##	ENSG00000060140	ENSG00000060138	ENSG00000121377	ENSG00000121314	ENSG00000121381
##	64	11778	0	0	0
##	ENSG00000231887	ENSG00000121318	ENSG00000275778	ENSG00000111215	ENSG00000212128
##	18	6	0	21	1
##	ENSG00000134551	ENSG00000212127	ENSG00000212126	ENSG00000255837	ENSG00000212124
##	3	96	4	16	22
##	ENSG00000256436	ENSG00000226761	ENSG00000256188	ENSG00000255374	ENSG00000256537
##	11	0	1	2	3194
##	ENSG00000186136	ENSG00000197870	ENSG00000230657	ENSG00000251655	ENSG00000121335
##	0	2	0	0	1
##	ENSG00000139083	ENSG00000121380	ENSG00000070018	ENSG00000111261	ENSG00000165714
##	2552	10	8706	654	681
##	ENSG00000111266	ENSG00000111269	ENSG00000183150	ENSG00000111276	ENSG00000178878
##	1128	5004	2	2641	461
##	ENSG00000213782	ENSG00000013588	ENSG00000111291	ENSG00000013583	ENSG00000084444
##	124	4645	5	3223	1248
##	ENSG00000111305	ENSG00000134531	ENSG00000273079	ENSG00000171681	ENSG00000121316
##	96	20882	1	5510	11
##	ENSG00000070019	ENSG00000197837	ENSG00000246705	ENSG00000084463	ENSG00000182993
##	0	51	1378	6964	84
##	ENSG00000179256	ENSG00000111339	ENSG00000111341	ENSG00000139055	ENSG00000111348
##	6	2	211	3	313
##	ENSG00000139053	ENSG00000134533	ENSG00000151490	ENSG00000151491	ENSG00000023734
##	0	6	1	8452	18033
##	ENSG00000023697	ENSG00000188991	ENSG00000008394	ENSG00000048540	ENSG00000111404
##	2048	0	17188	26	1
##	ENSG00000139144	ENSG00000139151	ENSG00000177938	ENSG00000052126	ENSG00000139154
##	0	0	0	2856	3339
##	ENSG00000172572	ENSG00000139155	ENSG00000111700	ENSG00000257046	ENSG00000205754
##	171	0	0	0	0
##	ENSG00000257062	ENSG00000134538	ENSG00000084453	ENSG00000121351	ENSG00000121350
##	0	0	0	0	1110
##	ENSG00000004700	ENSG00000111711	ENSG00000134548	ENSG00000111713	ENSG00000111716
##	5668	13145	22	3	33533
##	ENSG00000121361	ENSG00000069431	ENSG00000111726	ENSG00000111728	ENSG00000111731
##	300	525	2666	43	1861
##	ENSG00000139163	ENSG00000134532	ENSG00000060982	ENSG00000118308	ENSG00000118307
##	3896	939	37311	2	4
##	ENSG00000205707	ENSG00000133703	ENSG00000152936	ENSG00000123094	ENSG00000123095
##	914	4987	48	8552	454

##	ENSG00000123096	ENSG00000123104	ENSG00000064102	ENSG00000111790	ENSG00000064115
##	548	1451	2172	3028	5798
##	ENSG00000152944	ENSG00000214700	ENSG00000211455	ENSG00000029153	ENSG00000165935
##	1997	4	2822	4747	3
##	ENSG00000110841	ENSG00000174236	ENSG00000061794	ENSG00000205693	ENSG00000087448
##	11543	28	4218	3	3378
##	ENSG00000087494	ENSG00000123106	ENSG00000064763	ENSG00000087502	ENSG00000187950
##	573	1814	470	5433	49
##	ENSG00000133687	ENSG00000133704	ENSG00000110888	ENSG00000110900	ENSG00000013573
##	24513	7140	1802	571	474
##	ENSG00000177359	ENSG00000139146	ENSG00000170456	ENSG00000139160	ENSG00000151743
##	1	2352	1357	154	305
##	ENSG00000188375	ENSG00000174718	ENSG00000151746	ENSG00000139132	ENSG00000087470
##	61	2114	3566	1985	8857
##	ENSG00000139131	ENSG00000057294	ENSG00000110975	ENSG00000139133	ENSG00000175548
##	1878	46	0	254	760
##	ENSG00000139117	ENSG00000139116	ENSG00000173208	ENSG00000180116	ENSG00000151229
##	2	79	3	0	3963
##	ENSG00000188906	ENSG00000018236	ENSG00000165966	ENSG00000151233	ENSG00000015153
##	189	40	0	6072	1036
##	ENSG00000134283	ENSG00000139168	ENSG00000139174	ENSG00000173157	ENSG00000129317
##	4371	3351	1304	5	2890
##	ENSG00000198001	ENSG00000151239	ENSG00000139173	ENSG00000184613	ENSG00000185610
##	1876	12760	790	10	1
##	ENSG00000177119	ENSG00000189079	ENSG00000139218	ENSG00000111371	ENSG00000134294
##	16109	2580	11191	25966	133018
##	ENSG00000139209	ENSG00000139211	ENSG00000179715	ENSG00000005175	ENSG00000111405
##	865	5154	171	3370	9
##	ENSG00000079337	ENSG00000211584	ENSG00000061273	ENSG00000111424	ENSG00000134291
##	271	835	11004	1670	1892
##	ENSG00000139219	ENSG00000079387	ENSG00000152556	ENSG00000177981	ENSG00000177875
##	11	1449	7260	2142	127
##	ENSG00000172640	ENSG00000187166	ENSG00000167528	ENSG00000139223	ENSG00000177627
##	0	0	716	1	3
##	ENSG00000197376	ENSG00000167531	ENSG00000139620	ENSG00000129315	ENSG00000174233
##	1	0	2112	6065	8663
##	ENSG00000167535	ENSG00000174243	ENSG00000172602	ENSG00000272822	ENSG00000139537
##	5174	9071	6	5	167
##	ENSG00000134285	ENSG00000255863	ENSG00000134287	ENSG00000169884	ENSG00000125084
##	1851	0	16387	18	2
##	ENSG00000181418	ENSG00000181929	ENSG00000167548	ENSG00000167550	ENSG00000139549
##	26	5557	11230	57	1
##	ENSG00000139636	ENSG00000123416	ENSG00000167552	ENSG00000167553	ENSG00000135406
##	4082	26023	64619	17847	1
##	ENSG00000135451	ENSG00000186897	ENSG00000178401	ENSG00000123352	ENSG00000135519
##	653	18	660	7170	7
##	ENSG00000187778	ENSG00000110844	ENSG00000135436	ENSG00000161791	ENSG00000139644
##	4659	240	21	6530	65108
##	ENSG00000167566	ENSG00000186666	ENSG00000135472	ENSG00000167580	ENSG00000161798
##	4819	221	402	0	0
##	ENSG00000086159	ENSG00000161800	ENSG00000110881	ENSG00000066117	ENSG00000167588
##	1	3306	588	5639	6
##	ENSG00000178449	ENSG00000139624	ENSG00000050405	ENSG00000185958	ENSG00000161813
##	1870	6961	12574	3	8185

##	ENSG00000066084	ENSG000000123268	ENSG000000186452	ENSG000000185432	ENSG000000214511
##	7921	1615	0	498	0
##	ENSG000000110911	ENSG000000050426	ENSG000000110925	ENSG000000135457	ENSG000000184271
##	3590	1833	5051	2969	478
##	ENSG000000183283	ENSG000000170545	ENSG000000110934	ENSG000000139610	ENSG000000139629
##	15622	1493	0	0	3444
##	ENSG000000050438	ENSG000000196876	ENSG000000167612	ENSG000000139567	ENSG000000135503
##	872	1700	13	2777	6131
##	ENSG000000161835	ENSG000000123358	ENSG000000123395	ENSG000000167767	ENSG000000135480
##	1859	1109	3303	340	46
##	ENSG000000170442	ENSG000000205426	ENSG000000170523	ENSG000000135443	ENSG000000161849
##	0	5	0	0	0
##	ENSG000000161850	ENSG000000170454	ENSG000000185479	ENSG000000170465	ENSG000000205420
##	0	0	0	0	0
##	ENSG000000186081	ENSG000000139648	ENSG000000170484	ENSG000000170486	ENSG000000186049
##	0	0	0	0	0
##	ENSG000000172867	ENSG000000167768	ENSG000000189182	ENSG000000185069	ENSG000000186442
##	0	0	0	0	17
##	ENSG000000170477	ENSG000000185640	ENSG000000170423	ENSG000000170421	ENSG000000111057
##	7	8	0	1439	7572
##	ENSG000000063046	ENSG000000111077	ENSG000000167778	ENSG000000167779	ENSG000000167780
##	35462	3288	6703	7670	12
##	ENSG000000139631	ENSG000000139651	ENSG000000139626	ENSG000000172819	ENSG000000182544
##	644	3020	4	3336	3731
##	ENSG000000135476	ENSG000000123349	ENSG000000139637	ENSG000000094914	ENSG000000170374
##	956	12684	1954	2802	0
##	ENSG000000185591	ENSG000000135409	ENSG000000205352	ENSG000000197111	ENSG000000139625
##	7919	0	3676	12364	3429
##	ENSG000000139546	ENSG000000267281	ENSG000000139574	ENSG000000170653	ENSG000000135390
##	2696	18	0	2350	9918
##	ENSG000000012822	ENSG000000123364	ENSG000000123407	ENSG000000123388	ENSG000000180818
##	8920	0	0	1	2
##	ENSG000000273049	ENSG000000197757	ENSG000000180806	ENSG000000037965	ENSG000000198353
##	0	54	37	160	34
##	ENSG000000172789	ENSG000000123415	ENSG000000094916	ENSG000000135486	ENSG000000123405
##	4	1540	14856	41517	16
##	ENSG000000111481	ENSG000000139572	ENSG000000161642	ENSG000000161638	ENSG000000170627
##	14423	1	937	95330	0
##	ENSG000000123338	ENSG000000123360	ENSG000000135447	ENSG000000135413	ENSG000000161634
##	0	2	0	0	0
##	ENSG000000172551	ENSG000000135426	ENSG000000123307	ENSG000000170605	ENSG000000179919
##	1	0	0	0	0
##	ENSG000000197706	ENSG000000188324	ENSG000000205330	ENSG000000205329	ENSG000000187857
##	0	0	0	0	0
##	ENSG000000205328	ENSG000000185821	ENSG000000179695	ENSG000000184954	ENSG000000205327
##	0	0	0	0	0
##	ENSG000000179626	ENSG000000179615	ENSG000000175398	ENSG000000170439	ENSG000000135424
##	0	0	0	66	2228
##	ENSG000000258311	ENSG000000135441	ENSG000000135437	ENSG000000135404	ENSG000000135414
##	44	504	53	88927	5188
##	ENSG000000205323	ENSG000000257390	ENSG000000123353	ENSG000000135392	ENSG000000123342
##	13	1	1087	1813	1716
##	ENSG000000170473	ENSG000000065357	ENSG000000185664	ENSG000000123374	ENSG000000111540
##	1538	3520	170	4291	16032

##	ENSG00000139531	ENSG00000123411	ENSG00000197728	ENSG00000065361	ENSG00000257411
##	1327	1041	12632	29	0
##	ENSG00000170515	ENSG00000229117	ENSG00000135482	ENSG00000139641	ENSG00000196465
##	7815	17750	622	23181	5082
##	ENSG00000092841	ENSG00000139613	ENSG00000181852	ENSG00000139579	ENSG00000139540
##	68626	6429	7549	3149	1
##	ENSG00000139645	ENSG00000135469	ENSG00000062485	ENSG00000144785	ENSG00000257727
##	26264	479	15978	3	891
##	ENSG00000135473	ENSG00000110944	ENSG00000170581	ENSG00000175336	ENSG00000111602
##	742	41	10325	1	2070
##	ENSG00000135517	ENSG00000176422	ENSG00000135423	ENSG00000076067	ENSG00000076108
##	7	729	2	11812	11719
##	ENSG00000110955	ENSG00000110958	ENSG00000196531	ENSG00000198056	ENSG00000025423
##	64887	21049	37716	177	64
##	ENSG00000170426	ENSG00000139547	ENSG00000166856	ENSG00000166860	ENSG00000166863
##	0	4	1	1452	29
##	ENSG00000166866	ENSG00000166881	ENSG00000166886	ENSG00000166888	ENSG00000123384
##	1	2714	6828	11395	154728
##	ENSG00000182379	ENSG00000182199	ENSG00000185633	ENSG00000185482	ENSG00000258830
##	521	12289	118	31	0
##	ENSG00000179912	ENSG00000175189	ENSG00000139269	ENSG00000111087	ENSG00000123329
##	1943	2	199	179	22
##	ENSG00000166986	ENSG00000175197	ENSG00000166987	ENSG00000175203	ENSG00000155980
##	15976	936	3068	11559	54
##	ENSG00000166908	ENSG00000178498	ENSG00000240771	ENSG00000135502	ENSG00000135454
##	3355	1422	1065	22	326
##	ENSG00000135506	ENSG00000135439	ENSG00000135452	ENSG00000135446	ENSG00000139266
##	18480	56	1461	7749	820
##	ENSG00000111012	ENSG00000037897	ENSG00000123427	ENSG00000257921	ENSG00000123297
##	60	821	714	0	1071
##	ENSG00000135407	ENSG00000175215	ENSG00000166896	ENSG00000139263	ENSG00000118596
##	159	19221	161	2034	1906
##	ENSG00000198673	ENSG00000135655	ENSG00000061987	ENSG00000111110	ENSG00000166148
##	21	5306	6062	207	1
##	ENSG00000177990	ENSG00000118600	ENSG00000196935	ENSG00000174206	ENSG00000185306
##	188	984	9035	398	1
##	ENSG00000184575	ENSG00000183735	ENSG00000153179	ENSG00000135677	ENSG00000111490
##	15980	3335	3971	31096	44
##	ENSG00000156076	ENSG00000174106	ENSG00000174099	ENSG00000149948	ENSG00000139233
##	1	3799	9566	78755	1329
##	ENSG00000228144	ENSG00000155957	ENSG00000282031	ENSG00000090376	ENSG00000127311
##	0	786	0	209	263
##	ENSG00000155974	ENSG00000111530	ENSG00000127334	ENSG00000111537	ENSG00000111536
##	21	14867	3248	0	0
##	ENSG00000127318	ENSG00000111554	ENSG00000127314	ENSG00000111581	ENSG00000175782
##	0	446	9960	2660	1407
##	ENSG00000135679	ENSG00000135678	ENSG00000111605	ENSG00000090382	ENSG00000127337
##	9303	446	7486	1	525
##	ENSG00000166225	ENSG00000166226	ENSG00000198812	ENSG00000127325	ENSG00000127328
##	3407	20201	0	13	192
##	ENSG00000258052	ENSG00000166268	ENSG00000111596	ENSG00000279530	ENSG00000135643
##	0	0	4349	39	245
##	ENSG00000127329	ENSG00000153233	ENSG00000127324	ENSG00000139292	ENSG00000133858
##	492	11	0	0	6938

##	ENSG00000173451	ENSG00000258064	ENSG00000139291	ENSG00000080371	ENSG00000121749
##	486	0	1137	6614	3197
##	ENSG00000139287	ENSG00000072657	ENSG00000253719	ENSG00000166006	ENSG00000180881
##	3	17679	10938	0	86
##	ENSG00000173401	ENSG00000180481	ENSG00000139278	ENSG00000111615	ENSG00000139289
##	4	9	26612	7654	81736
##	ENSG00000187109	ENSG00000179941	ENSG00000091039	ENSG00000186908	ENSG00000175183
##	36740	1908	27975	3259	4585
##	ENSG00000165891	ENSG00000067798	ENSG00000067715	ENSG00000177425	ENSG00000058272
##	4761	9852	1426	6018	12542
##	ENSG00000165899	ENSG00000139304	ENSG00000111046	ENSG00000111049	ENSG00000111052
##	17	66	0	0	1817
##	ENSG00000111058	ENSG00000139220	ENSG00000133773	ENSG00000127720	ENSG00000179104
##	170	4	1624	400	583
##	ENSG00000072041	ENSG00000231738	ENSG00000133640	ENSG00000180318	ENSG00000198774
##	15282	13	29	1	24
##	ENSG00000133636	ENSG00000182050	ENSG00000165805	ENSG00000133641	ENSG00000198707
##	0	1	0	1721	2520
##	ENSG00000139324	ENSG00000049130	ENSG00000139318	ENSG00000139323	ENSG00000259075
##	10361	15074	8941	1946	3
##	ENSG00000257594	ENSG00000070961	ENSG00000197651	ENSG00000083782	ENSG00000139330
##	151	7991	1	1	0
##	ENSG00000139329	ENSG00000011465	ENSG00000257242	ENSG00000279037	ENSG00000280112
##	6563	57554	20	0	0
##	ENSG00000133639	ENSG00000205057	ENSG00000257127	ENSG00000214215	ENSG00000187510
##	9255	0	0	0	0
##	ENSG00000102189	ENSG00000173598	ENSG00000177889	ENSG00000198015	ENSG00000120833
##	9990	7577	8345	4785	2317
##	ENSG00000169372	ENSG00000136040	ENSG00000173588	ENSG00000057704	ENSG00000184752
##	730	120	598	36	1974
##	ENSG00000120798	ENSG00000180263	ENSG00000028203	ENSG00000111142	ENSG00000136014
##	1375	1610	6957	10679	1761
##	ENSG00000074527	ENSG00000139343	ENSG00000165972	ENSG00000139344	ENSG00000084110
##	4524	2412	2	10	6
##	ENSG00000111144	ENSG00000111145	ENSG00000059758	ENSG00000188596	ENSG00000139350
##	4214	12186	7398	59	2067
##	ENSG00000120802	ENSG00000075415	ENSG00000166130	ENSG00000120868	ENSG00000185046
##	4830	42327	15469	5094	29
##	ENSG00000180219	ENSG00000111647	ENSG00000075089	ENSG00000166153	ENSG00000136021
##	0	4747	1820	40	11033
##	ENSG00000179520	ENSG00000012504	ENSG00000139354	ENSG00000151572	ENSG00000256870
##	0	0	1214	2507	0
##	ENSG00000120800	ENSG00000120805	ENSG00000166211	ENSG00000196091	ENSG00000111666
##	4433	12185	0	2	1823
##	ENSG00000139351	ENSG00000111670	ENSG00000136048	ENSG00000120860	ENSG00000075188
##	5	8322	8280	914	1166
##	ENSG00000281370	ENSG00000185480	ENSG00000183395	ENSG00000017427	ENSG00000171759
##	0	600	1	11	0
##	ENSG00000139352	ENSG00000179088	ENSG00000136011	ENSG00000111696	ENSG00000166598
##	0	0	10	1593	106351
##	ENSG00000204954	ENSG00000139372	ENSG00000120820	ENSG00000111727	ENSG00000120837
##	681	2337	2487	2157	1728
##	ENSG00000198431	ENSG00000255150	ENSG00000171310	ENSG00000136052	ENSG00000151131
##	66742	65	1268	674	441

##	ENSG00000136010	ENSG00000136051	ENSG00000136044	ENSG00000235162	ENSG00000074590
##	6018	9892	5947	12388	3043
##	ENSG00000136026	ENSG00000166046	ENSG00000013503	ENSG00000111783	ENSG00000111785
##	91964	940	1774	1	1399
##	ENSG00000151135	ENSG00000120832	ENSG00000008405	ENSG00000151136	ENSG00000136045
##	22181	232	1980	472	6179
##	ENSG00000110851	ENSG00000187855	ENSG00000075035	ENSG00000174600	ENSG00000198855
##	4162	0	0	4	737
##	ENSG00000075856	ENSG00000136003	ENSG00000183160	ENSG00000110876	ENSG00000110880
##	3704	6307	383	625	39793
##	ENSG00000084112	ENSG00000110887	ENSG00000166111	ENSG00000135093	ENSG00000189046
##	21090	0	0	895	492
##	ENSG00000076248	ENSG00000076555	ENSG00000139445	ENSG00000174527	ENSG00000110906
##	1673	680	0	31	8862
##	ENSG00000151148	ENSG00000139428	ENSG00000110921	ENSG00000139438	ENSG00000111199
##	6282	719	1048	188	799
##	ENSG00000139433	ENSG00000139437	ENSG00000139436	ENSG00000076513	ENSG00000174456
##	4858	1441	3527	13860	768
##	ENSG00000122970	ENSG00000174437	ENSG00000196510	ENSG00000111229	ENSG00000111231
##	1333	65978	2773	15497	1469
##	ENSG00000204856	ENSG00000111237	ENSG00000151164	ENSG00000196850	ENSG00000204852
##	1042	3742	24	2506	1350
##	ENSG00000122986	ENSG00000186298	ENSG00000173093	ENSG00000111245	ENSG00000111249
##	32	10970	0	0	0
##	ENSG00000198324	ENSG00000111252	ENSG00000204842	ENSG00000089234	ENSG00000111271
##	2527	7583	6097	2665	1465
##	ENSG00000257767	ENSG00000111275	ENSG00000089022	ENSG00000198270	ENSG00000089248
##	0	4060	2738	315	9167
##	ENSG00000111300	ENSG00000135148	ENSG00000173064	ENSG00000089009	ENSG00000179295
##	4028	5468	7340	55093	30591
##	ENSG00000089169	ENSG00000089127	ENSG00000111331	ENSG00000111335	ENSG00000135144
##	0	3	793	8	5
##	ENSG00000111344	ENSG00000186710	ENSG00000123064	ENSG00000139405	ENSG00000166578
##	0	2	4399	1239	22
##	ENSG00000186815	ENSG00000089060	ENSG00000151176	ENSG00000135094	ENSG00000139410
##	3675	1146	20794	5	326
##	ENSG00000089116	ENSG00000122965	ENSG00000089225	ENSG00000135111	ENSG00000123066
##	1	3264	2374	14310	9891
##	ENSG00000258102	ENSG00000111412	ENSG00000135119	ENSG00000135116	ENSG00000174989
##	99	6502	99	0	3437
##	ENSG00000088992	ENSG00000135108	ENSG00000089250	ENSG00000171435	ENSG00000111445
##	14	4111	1	0	657
##	ENSG00000176871	ENSG00000176834	ENSG00000089220	ENSG00000135090	ENSG00000111707
##	11081	1009	17176	6824	4048
##	ENSG00000139767	ENSG00000152137	ENSG00000183273	ENSG00000224982	ENSG00000111725
##	2	1954	4	0	2145
##	ENSG00000122966	ENSG00000279777	ENSG00000135127	ENSG00000111737	ENSG00000089154
##	1824	0	9	5934	24461
##	ENSG00000089157	ENSG00000089159	ENSG00000089163	ENSG00000170890	ENSG00000135097
##	107545	16869	92	1	2
##	ENSG00000111775	ENSG00000111780	ENSG00000170855	ENSG00000257218	ENSG00000111786
##	2535	0	4494	1710	7268
##	ENSG00000088986	ENSG00000110871	ENSG00000022840	ENSG00000167272	ENSG00000157782
##	17536	1462	10734	1084	7

##	ENSG00000110917	ENSG00000175970	ENSG00000122971	ENSG00000157837	ENSG00000135100
##	20345	4526	266	4142	2
##	ENSG00000157895	ENSG00000135114	ENSG00000089041	ENSG00000135124	ENSG00000110931
##	1241	15	35	742	4215
##	ENSG00000089053	ENSG00000170633	ENSG00000089094	ENSG00000276045	ENSG00000139714
##	11910	2678	2416	2259	21
##	ENSG00000188735	ENSG00000139725	ENSG00000139718	ENSG00000158104	ENSG00000110801
##	2592	82	4604	3	1295
##	ENSG00000256950	ENSG00000158023	ENSG00000110987	ENSG00000175727	ENSG00000158113
##	0	534	1369	5644	27
##	ENSG00000204671	ENSG00000176383	ENSG00000184047	ENSG00000256861	ENSG00000139719
##	0	24	574	0	1593
##	ENSG00000130779	ENSG00000033030	ENSG00000111011	ENSG00000184445	ENSG00000182782
##	11180	1075	5412	1332	2
##	ENSG00000255398	ENSG00000196917	ENSG00000139726	ENSG00000130783	ENSG00000130787
##	0	0	10077	35	1645
##	ENSG00000139722	ENSG00000150967	ENSG00000111325	ENSG00000182196	ENSG00000090975
##	4653	1004	92	20	2792
##	ENSG00000051825	ENSG00000130921	ENSG00000111328	ENSG00000139697	ENSG00000183955
##	1558	2157	17890	7430	2689
##	ENSG00000150977	ENSG00000184209	ENSG00000188026	ENSG00000086598	ENSG00000111364
##	2243	1004	1323	30241	1218
##	ENSG00000111361	ENSG00000111358	ENSG00000168778	ENSG00000185344	ENSG00000197653
##	3962	2250	1150	2384	214
##	ENSG00000119242	ENSG00000250091	ENSG00000179195	ENSG00000178882	ENSG00000274874
##	5200	352	9215	0	0
##	ENSG00000196498	ENSG00000073060	ENSG00000150991	ENSG00000150990	ENSG00000184992
##	25557	3664	85412	3506	856
##	ENSG00000081760	ENSG00000139364	ENSG00000181234	ENSG00000139370	ENSG00000151948
##	5303	849	0	2769	4
##	ENSG00000151952	ENSG00000111432	ENSG00000125207	ENSG00000060709	ENSG00000111450
##	0	3	0	0	4680
##	ENSG00000132341	ENSG00000111452	ENSG00000061936	ENSG00000198598	ENSG00000177169
##	28116	8	2826	977	5036
##	ENSG00000177192	ENSG00000183495	ENSG00000185684	ENSG00000185163	ENSG00000184967
##	1493	8860	783	2321	1693
##	ENSG00000182870	ENSG00000112787	ENSG00000204583	ENSG00000187848	ENSG00000177084
##	71	3831	11	0	2948
##	ENSG00000176894	ENSG00000256632	ENSG00000247077	ENSG00000176915	ENSG00000090615
##	221	0	3290	8936	23040
##	ENSG00000072609	ENSG00000196458	ENSG00000198393	ENSG00000198040	ENSG00000196387
##	3807	3114	957	2699	1094
##	ENSG00000214029	ENSG00000256223	ENSG00000256825	ENSG00000090612	ENSG00000227059
##	322	441	0	1742	0
##	ENSG00000279081	ENSG00000198033	ENSG00000132958	ENSG00000196199	ENSG00000121390
##	5	0	0	5159	3623
##	ENSG00000132950	ENSG00000121741	ENSG00000121743	ENSG00000165474	ENSG00000121742
##	901	5898	742	57	0
##	ENSG00000165475	ENSG00000032742	ENSG00000172458	ENSG00000150456	ENSG00000132953
##	710	1183	304	520	3882
##	ENSG00000150457	ENSG00000150459	ENSG00000165480	ENSG00000173141	ENSG00000180776
##	9378	8806	1088	2263	9760
##	ENSG00000165487	ENSG00000102678	ENSG00000279282	ENSG00000280175	ENSG00000102683
##	3573	40	0	0	14

##	ENSG00000151835	ENSG00000127863	ENSG00000027001	ENSG00000205863	ENSG00000273167
##	25772	8357	2344	13	8
##	ENSG00000182957	ENSG00000240654	ENSG00000281899	ENSG00000102699	ENSG00000075673
##	3668	4	0	11547	0
##	ENSG00000132972	ENSG00000151849	ENSG00000151846	ENSG00000165566	ENSG00000139505
##	3	1225	95	0	6813
##	ENSG00000139496	ENSG00000132932	ENSG00000180730	ENSG00000127870	ENSG00000132964
##	6609	18	59	6338	2552
##	ENSG00000132970	ENSG00000132975	ENSG00000152484	ENSG00000122026	ENSG00000122035
##	3750	0	5511	27728	425
##	ENSG00000122034	ENSG00000122033	ENSG00000139517	ENSG00000186184	ENSG00000169840
##	3952	1898	1335	5538	0
##	ENSG00000139515	ENSG00000180389	ENSG00000165556	ENSG00000183463	ENSG00000122025
##	0	21	2	0	0
##	ENSG00000152520	ENSG00000102755	ENSG00000132963	ENSG00000139508	ENSG00000132938
##	1942	3942	10383	236	3
##	ENSG00000139514	ENSG00000122042	ENSG00000102781	ENSG00000189403	ENSG00000132952
##	9163	6860	4712	18889	1878
##	ENSG00000132965	ENSG00000102802	ENSG00000175664	ENSG00000120694	ENSG00000187676
##	18	701	2	24744	946
##	ENSG00000133105	ENSG00000073910	ENSG00000189167	ENSG00000139618	ENSG00000139597
##	0	5233	2	610	46
##	ENSG00000244754	ENSG00000083642	ENSG00000133116	ENSG00000133121	ENSG00000133119
##	3808	3869	8	7193	772
##	ENSG00000172915	ENSG00000180660	ENSG00000133083	ENSG00000120669	ENSG00000250709
##	669	71	8	1	1
##	ENSG00000242715	ENSG00000133104	ENSG00000133101	ENSG00000180440	ENSG00000133111
##	63	8175	7	2	227
##	ENSG00000120693	ENSG00000120697	ENSG00000120699	ENSG00000102710	ENSG00000279238
##	1099	2080	1375	5009	7
##	ENSG00000180138	ENSG00000133110	ENSG00000133107	ENSG00000120686	ENSG00000150893
##	6	55506	538	12386	0
##	ENSG00000133115	ENSG00000120685	ENSG00000188811	ENSG00000183722	ENSG00000133103
##	0	4420	499	5669	5095
##	ENSG00000150907	ENSG00000102738	ENSG00000102743	ENSG00000120690	ENSG00000120688
##	42	847	1383	6027	2486
##	ENSG00000165572	ENSG00000120696	ENSG00000120662	ENSG00000172766	ENSG00000102760
##	2366	1183	503	1042	1435
##	ENSG00000102763	ENSG00000102780	ENSG00000023516	ENSG00000120659	ENSG00000179813
##	2707	1936	11234	0	2
##	ENSG00000133106	ENSG00000120675	ENSG00000120658	ENSG00000151773	ENSG00000179630
##	82	3213	247	149	1854
##	ENSG00000281883	ENSG00000139656	ENSG00000151778	ENSG00000102804	ENSG00000083635
##	4	0	159	11378	1112
##	ENSG00000133114	ENSG00000188342	ENSG00000180332	ENSG00000133112	ENSG00000174032
##	2287	4110	53	79000	1473
##	ENSG00000136152	ENSG00000165837	ENSG00000174015	ENSG00000215475	ENSG00000123200
##	3570	13	0	0	9907
##	ENSG00000080618	ENSG00000136167	ENSG00000173988	ENSG00000102445	ENSG00000136141
##	1	0	0	0	2695
##	ENSG00000139684	ENSG00000102468	ENSG00000136143	ENSG00000136159	ENSG00000136146
##	6243	2	3800	1847	1788
##	ENSG00000136156	ENSG00000139687	ENSG00000139679	ENSG00000136161	ENSG00000152207
##	22772	6435	483	979	1

##	ENSG00000102531	ENSG00000102539	ENSG00000102543	ENSG00000102547	ENSG00000136169
##	9982	6	502	3133	1259
##	ENSG00000136147	ENSG00000136144	ENSG00000152213	ENSG00000123179	ENSG00000102753
##	1156	4244	0	1776	12621
##	ENSG00000123178	ENSG00000204977	ENSG00000198553	ENSG00000176124	ENSG00000186047
##	2055	2215	4	148	0
##	ENSG00000136104	ENSG00000150510	ENSG00000253309	ENSG00000102786	ENSG00000139668
##	798	11	22	3650	2894
##	ENSG00000102796	ENSG00000123171	ENSG00000123191	ENSG00000253710	ENSG00000253797
##	109	0	1039	1058	3005
##	ENSG00000197168	ENSG00000136098	ENSG00000136114	ENSG00000136100	ENSG00000136108
##	35	423	681	2653	4411
##	ENSG00000139675	ENSG00000165416	ENSG00000136110	ENSG00000136099	ENSG00000102837
##	233	7265	0	0	0
##	ENSG00000204919	ENSG00000229665	ENSG00000204918	ENSG00000227151	ENSG00000234278
##	0	0	0	0	0
##	ENSG00000118946	ENSG00000139734	ENSG00000083544	ENSG00000280165	ENSG00000197991
##	2	2193	839	0	0
##	ENSG00000184226	ENSG00000150361	ENSG00000276644	ENSG00000204899	ENSG00000136122
##	3136	0	1474	1786	241
##	ENSG00000083520	ENSG00000083535	ENSG00000102554	ENSG00000118922	ENSG00000136111
##	7944	1962	735	5060	2239
##	ENSG00000188243	ENSG00000118939	ENSG00000136153	ENSG00000178734	ENSG00000178695
##	3605	330	27344	18	2109
##	ENSG00000102794	ENSG00000102805	ENSG00000005812	ENSG00000005810	ENSG00000136155
##	0	1352	3859	9236	0
##	ENSG00000139737	ENSG00000136160	ENSG00000152192	ENSG00000152193	ENSG00000139746
##	7	755	1	777	4579
##	ENSG00000102471	ENSG00000136158	ENSG00000178235	ENSG00000184564	ENSG00000165300
##	5776	9543	8	646	65
##	ENSG00000179399	ENSG00000183098	ENSG00000080166	ENSG00000088451	ENSG00000152749
##	53	6165	0	875	3043
##	ENSG00000125285	ENSG00000125257	ENSG00000134873	ENSG00000134874	ENSG00000102580
##	0	38148	1	4644	11429
##	ENSG00000102595	ENSG00000185352	ENSG00000165621	ENSG00000139793	ENSG00000125249
##	6684	6	0	9058	4666
##	ENSG00000065150	ENSG00000152767	ENSG00000139797	ENSG00000102572	ENSG00000088386
##	26044	17200	3	7245	0
##	ENSG00000088387	ENSG00000134882	ENSG00000125245	ENSG00000169508	ENSG00000125304
##	832	3318	3	9	19817
##	ENSG00000125246	ENSG00000139800	ENSG00000043355	ENSG00000175198	ENSG00000134864
##	17	0	6	1093	173
##	ENSG00000125247	ENSG00000102452	ENSG00000198542	ENSG00000102466	ENSG00000134900
##	828	1548	1956	104	11255
##	ENSG00000139780	ENSG00000175820	ENSG00000151287	ENSG00000134901	ENSG00000134897
##	0	17	588	2619	1611
##	ENSG00000270181	ENSG00000134899	ENSG00000125255	ENSG00000182346	ENSG00000125266
##	0	1795	0	0	2521
##	ENSG00000134884	ENSG00000204442	ENSG00000174405	ENSG00000139826	ENSG00000102524
##	4744	8870	2608	3261	113
##	ENSG00000041515	ENSG00000185950	ENSG00000187498	ENSG00000134871	ENSG00000139832
##	8	2470	344418	275866	93
##	ENSG00000213995	ENSG00000134905	ENSG00000153487	ENSG00000088448	ENSG00000102606
##	3507	3616	1594	6613	6617

##	ENSG00000153495	ENSG00000182968	ENSG00000153498	ENSG00000126216	ENSG00000068650
##	22	1	0	1983	6524
##	ENSG00000126217	ENSG00000057593	ENSG00000126218	ENSG00000126231	ENSG00000126226
##	3	14	697	12	3552
##	ENSG00000139842	ENSG00000185896	ENSG00000139835	ENSG00000153531	ENSG00000150401
##	12507	52641	66	52	899
##	ENSG00000150403	ENSG00000198176	ENSG00000186009	ENSG00000185974	ENSG00000184497
##	11011	11245	2	0	759
##	ENSG00000183087	ENSG00000185989	ENSG00000130177	ENSG00000169062	ENSG00000198824
##	43009	11591	6547	3932	4951
##	ENSG00000257115	ENSG00000222036	ENSG00000279508	ENSG00000187537	ENSG00000258453
##	0	0	7	7	0
##	ENSG00000176294	ENSG00000182652	ENSG00000176299	ENSG00000165762	ENSG00000176281
##	0	0	0	0	0
##	ENSG00000155249	ENSG00000169488	ENSG00000169484	ENSG00000176253	ENSG00000176246
##	0	0	0	0	0
##	ENSG00000176230	ENSG00000184394	ENSG00000196832	ENSG00000176219	ENSG00000176198
##	0	0	0	0	1
##	ENSG00000136319	ENSG00000100814	ENSG00000129484	ENSG00000129566	ENSG00000185271
##	1875	2074	1164	2908	2
##	ENSG00000092094	ENSG00000100823	ENSG00000165782	ENSG00000198805	ENSG00000182545
##	911	12325	2497	1725	0
##	ENSG00000188655	ENSG00000259060	ENSG00000173464	ENSG00000258436	ENSG00000181803
##	0	0	0	0	0
##	ENSG00000258818	ENSG00000214274	ENSG00000259171	ENSG00000181562	ENSG00000181552
##	0	69	0	0	0
##	ENSG00000169413	ENSG00000129538	ENSG00000169397	ENSG00000169385	ENSG00000165792
##	0	0	0	0	1317
##	ENSG00000165794	ENSG00000165795	ENSG00000179636	ENSG00000206150	ENSG00000165799
##	0	28	0	0	1
##	ENSG00000173431	ENSG00000165801	ENSG00000165804	ENSG00000232070	ENSG00000169327
##	0	8709	1967	4	0
##	ENSG00000092199	ENSG00000092200	ENSG00000092201	ENSG00000100888	ENSG00000129472
##	36946	13	12012	9706	2765
##	ENSG00000092203	ENSG00000165819	ENSG00000165821	ENSG00000169208	ENSG00000255582
##	6377	2760	1294	0	0
##	ENSG00000221977	ENSG00000129562	ENSG00000100439	ENSG00000255804	ENSG00000279510
##	0	11544	4468	1	0
##	ENSG00000155463	ENSG00000155465	ENSG00000172590	ENSG00000157227	ENSG00000197324
##	8111	310	3918	140797	45324
##	ENSG00000139890	ENSG00000100461	ENSG00000100462	ENSG00000092036	ENSG00000259132
##	9	4440	3908	275	0
##	ENSG00000129474	ENSG00000100802	ENSG00000100804	ENSG00000222028	ENSG00000139880
##	5988	214	13216	2	1245
##	ENSG00000100813	ENSG00000179933	ENSG00000092067	ENSG00000092068	ENSG00000215277
##	15403	7201	0	59	8
##	ENSG00000215271	ENSG00000235194	ENSG00000129473	ENSG00000258643	ENSG00000100836
##	680	197	7281	46	4310
##	ENSG00000092096	ENSG00000100842	ENSG00000166090	ENSG00000166091	ENSG00000197616
##	4529	2135	0	0	0
##	ENSG00000092054	ENSG00000129460	ENSG00000136367	ENSG00000259431	ENSG00000213983
##	0	1394	554	279	214
##	ENSG00000092051	ENSG00000100867	ENSG00000157326	ENSG00000187630	ENSG00000186648
##	2	10	1113	731	4

##	ENSG00000100884	ENSG00000129535	ENSG00000100889	ENSG00000100897	ENSG00000259371
##	0	49	2161	3108	0
##	ENSG00000139914	ENSG00000092010	ENSG00000100908	ENSG00000100911	ENSG00000092098
##	6	3904	532	4623	1523
##	ENSG00000259529	ENSG00000213928	ENSG00000100918	ENSG00000196497	ENSG00000259522
##	28	42	89	66	1
##	ENSG00000100926	ENSG00000254692	ENSG00000139908	ENSG00000254505	ENSG00000213920
##	888	0	99	69	9
##	ENSG00000255526	ENSG00000129559	ENSG00000100938	ENSG00000092330	ENSG00000092295
##	0	3735	4157	3129	40
##	ENSG00000100949	ENSG00000157379	ENSG00000196943	ENSG00000136305	ENSG00000213906
##	3489	1122	4397	0	53
##	ENSG00000213903	ENSG00000129467	ENSG00000258973	ENSG00000129465	ENSG00000100968
##	164	1	0	2	5385
##	ENSG00000205978	ENSG00000139899	ENSG00000100441	ENSG00000100445	ENSG00000092009
##	3286	228	6569	186	1
##	ENSG00000100448	ENSG00000100450	ENSG00000100453	ENSG00000168952	ENSG00000281282
##	0	0	1	740	0
##	ENSG00000139910	ENSG00000176165	ENSG00000184304	ENSG00000092140	ENSG00000092108
##	281	8	2387	2562	5868
##	ENSG00000100473	ENSG00000196792	ENSG00000100478	ENSG00000092148	ENSG00000129493
##	10	4980	673	20916	3521
##	ENSG00000203546	ENSG00000129480	ENSG00000214943	ENSG00000151413	ENSG00000100852
##	12	1263	0	1095	6559
##	ENSG00000151320	ENSG00000151322	ENSG00000129521	ENSG00000165389	ENSG00000129518
##	1148	48	17	4175	2069
##	ENSG00000129515	ENSG00000165410	ENSG00000198604	ENSG00000100883	ENSG00000151327
##	11350	12032	7630	8454	4960
##	ENSG00000092020	ENSG00000100890	ENSG00000258790	ENSG00000100902	ENSG00000100906
##	2552	558	10	1273	2816
##	ENSG00000168348	ENSG00000174373	ENSG00000100916	ENSG00000151332	ENSG00000229415
##	2	1369	943	1097	0
##	ENSG00000136352	ENSG00000136327	ENSG00000198807	ENSG00000183032	ENSG00000151338
##	0	0	3	220	695
##	ENSG00000129514	ENSG00000139865	ENSG00000139874	ENSG00000176435	ENSG00000100934
##	26	2	2237	778	37998
##	ENSG00000092208	ENSG00000182400	ENSG00000100941	ENSG00000150526	ENSG00000258941
##	352	3563	6325	0	0
##	ENSG00000150527	ENSG00000165355	ENSG00000165379	ENSG00000189139	ENSG00000179476
##	205	2968	800	0	511
##	ENSG00000179454	ENSG00000198718	ENSG00000185246	ENSG00000100442	ENSG00000187790
##	1917	2064	1804	2483	579
##	ENSG00000129534	ENSG00000165496	ENSG00000139915	ENSG00000213741	ENSG00000165501
##	1416	1	6	13644	709
##	ENSG00000165502	ENSG00000168282	ENSG00000165506	ENSG00000100479	ENSG00000197776
##	8485	570	1141	217	99
##	ENSG00000165516	ENSG00000165525	ENSG00000165527	ENSG00000100483	ENSG00000100485
##	2353	5462	12986	631	3166
##	ENSG00000087299	ENSG00000125375	ENSG00000100490	ENSG00000012983	ENSG00000198513
##	399	620	74	11496	964
##	ENSG00000151748	ENSG00000100503	ENSG00000100504	ENSG00000131969	ENSG00000100505
##	4798	12751	3570	7	20
##	ENSG00000139921	ENSG00000139926	ENSG00000186469	ENSG00000087302	ENSG00000087303
##	5303	53055	6737	10586	57824

##	ENSG00000168229	ENSG00000125384	ENSG00000087301	ENSG00000180998	ENSG00000197930
##	2	3276	232	360	5378
##	ENSG00000100519	ENSG00000198252	ENSG00000100522	ENSG00000073712	ENSG00000100523
##	6879	4931	5048	13767	2480
##	ENSG00000125378	ENSG00000100526	ENSG00000100528	ENSG00000197045	ENSG00000100532
##	847	607	11154	9708	886
##	ENSG00000020577	ENSG00000131979	ENSG00000198554	ENSG00000180008	ENSG00000168175
##	10089	131	1117	4175	13787
##	ENSG00000131981	ENSG00000126787	ENSG00000279392	ENSG00000178974	ENSG00000126775
##	12333	2165	39	2544	2519
##	ENSG00000182521	ENSG00000126777	ENSG00000139946	ENSG00000070269	ENSG00000165588
##	0	36038	1352	1513	0
##	ENSG00000070367	ENSG00000053770	ENSG00000139977	ENSG00000100557	ENSG00000151812
##	11591	3038	4493	0	0
##	ENSG00000139971	ENSG00000131966	ENSG00000100567	ENSG00000032219	ENSG00000196860
##	1401	6035	6822	1670	9
##	ENSG00000100575	ENSG00000100578	ENSG00000165617	ENSG00000100592	ENSG00000181619
##	1350	2237	2767	1451	393
##	ENSG00000126790	ENSG00000050130	ENSG00000151838	ENSG00000139970	ENSG00000131951
##	1341	6015	0	107	0
##	ENSG00000126773	ENSG00000100612	ENSG00000100614	ENSG00000179008	ENSG00000184302
##	10774	6938	4547	76	0
##	ENSG00000126778	ENSG00000100625	ENSG00000020426	ENSG00000126814	ENSG00000139974
##	1740	3409	1874	1452	1531
##	ENSG00000027075	ENSG00000182107	ENSG00000258989	ENSG00000100644	ENSG00000023608
##	96	19	0	71477	1128
##	ENSG00000139973	ENSG00000140015	ENSG00000126785	ENSG00000179600	ENSG00000154001
##	574	172	2294	0	6447
##	ENSG00000140006	ENSG00000126821	ENSG00000054654	ENSG00000140009	ENSG00000100714
##	724	2913	760	9	5005
##	ENSG00000089775	ENSG00000179841	ENSG00000126804	ENSG00000126803	ENSG00000165807
##	624	114	4052	2943	31
##	ENSG00000126822	ENSG00000070182	ENSG00000279654	ENSG00000258289	ENSG00000125954
##	524	32	0	3022	0
##	ENSG00000176153	ENSG00000139998	ENSG00000257365	ENSG00000125952	ENSG00000033170
##	10	1568	623	4041	3777
##	ENSG00000171723	ENSG00000172717	ENSG00000072415	ENSG00000100554	ENSG00000134001
##	741	11	6214	8822	9195
##	ENSG00000100558	ENSG00000198133	ENSG00000054690	ENSG00000100564	ENSG00000081181
##	160	39	36	539	181
##	ENSG00000100568	ENSG00000258466	ENSG00000072042	ENSG00000139988	ENSG00000072121
##	5744	5	9204	2	3673
##	ENSG00000182185	ENSG00000185650	ENSG00000072110	ENSG00000139990	ENSG00000081177
##	174	9003	116245	4478	1835
##	ENSG00000100626	ENSG00000100632	ENSG00000029364	ENSG00000175985	ENSG00000267909
##	316	6486	11951	3	0
##	ENSG00000100647	ENSG00000100650	ENSG00000100652	ENSG00000198732	ENSG00000100678
##	8774	9713	2	1115	12
##	ENSG00000133983	ENSG00000258644	ENSG00000213463	ENSG00000139985	ENSG00000134007
##	271	1	3951	17	4
##	ENSG00000133997	ENSG00000133985	ENSG00000006432	ENSG00000100731	ENSG00000197555
##	1218	27	200	12125	6915
##	ENSG00000182732	ENSG00000280188	ENSG00000205683	ENSG00000119599	ENSG00000165861
##	1	0	1854	1035	4756

##	ENSG00000119707	ENSG00000080815	ENSG00000100767	ENSG00000133961	ENSG00000187105
##	11633	9746	112	12111	21
##	ENSG00000170468	ENSG00000184227	ENSG00000119673	ENSG00000177465	ENSG00000205669
##	1171	400	1526	54	0
##	ENSG00000119661	ENSG00000176903	ENSG00000156030	ENSG00000140043	ENSG00000258653
##	1555	10778	3371	239	0
##	ENSG00000119725	ENSG00000156050	ENSG00000119723	ENSG00000187097	ENSG00000279461
##	51	539	557	2428	1
##	ENSG00000119636	ENSG00000119711	ENSG00000205659	ENSG00000119614	ENSG00000119688
##	226	1154	690	0	1453
##	ENSG00000133980	ENSG00000183379	ENSG00000119655	ENSG00000165898	ENSG00000119681
##	0	0	9081	918	60698
##	ENSG00000119682	ENSG00000119616	ENSG00000119596	ENSG00000119608	ENSG00000119689
##	8613	4376	10537	13	10707
##	ENSG00000198208	ENSG00000119630	ENSG00000119718	ENSG00000119684	ENSG00000119640
##	40	80	2409	1020	333
##	ENSG00000119703	ENSG00000119638	ENSG00000170348	ENSG00000170345	ENSG00000140044
##	58	7586	28871	334	2715
##	ENSG00000156127	ENSG00000119686	ENSG00000119685	ENSG00000133935	ENSG00000119650
##	0	122	1682	1783	1001
##	ENSG00000119699	ENSG00000089916	ENSG00000119715	ENSG00000071246	ENSG00000013523
##	385	7627	3	3263	1386
##	ENSG00000100565	ENSG00000119669	ENSG00000198894	ENSG00000259164	ENSG00000165548
##	0	10114	1485	0	1
##	ENSG00000177108	ENSG00000165553	ENSG00000009830	ENSG00000100577	ENSG00000100580
##	2	0	4559	583	1510
##	ENSG00000100583	ENSG00000165555	ENSG00000280308	ENSG00000151445	ENSG00000100591
##	99	32	1	2399	8523
##	ENSG00000100593	ENSG00000100596	ENSG00000100601	ENSG00000119705	ENSG00000100603
##	8	9326	937	2268	4883
##	ENSG00000197734	ENSG00000063761	ENSG00000021645	ENSG00000211448	ENSG00000100629
##	1	380	1695	11952	543
##	ENSG00000165409	ENSG00000165417	ENSG00000140022	ENSG00000071537	ENSG00000185070
##	1	5056	2	21483	5846
##	ENSG00000054983	ENSG00000140030	ENSG00000100433	ENSG00000042317	ENSG00000070778
##	2729	9	2	1257	4965
##	ENSG00000100722	ENSG00000165521	ENSG00000165533	ENSG00000053254	ENSG00000140025
##	4834	718	2837	6708	287
##	ENSG00000042088	ENSG00000152315	ENSG00000100764	ENSG00000119720	ENSG00000198668
##	1829	2	4935	1047	24394
##	ENSG00000165914	ENSG00000100784	ENSG00000133943	ENSG00000119714	ENSG00000015133
##	2358	85	856	305	20
##	ENSG00000100796	ENSG00000133962	ENSG00000165929	ENSG00000140092	ENSG00000100815
##	4791	0	12	20523	5522
##	ENSG00000066427	ENSG00000279963	ENSG00000183648	ENSG00000165934	ENSG00000140090
##	1724	2	1847	6973	7
##	ENSG00000100599	ENSG00000100600	ENSG00000066455	ENSG00000100604	ENSG00000100605
##	3707	2757	5769	0	2131
##	ENSG00000165943	ENSG00000153485	ENSG00000259066	ENSG00000170270	ENSG00000012963
##	2302	394	5	616	2422
##	ENSG00000011114	ENSG00000133958	ENSG00000187581	ENSG00000175785	ENSG00000140067
##	6317	93	2	0	0
##	ENSG00000100628	ENSG00000089723	ENSG00000089737	ENSG00000165948	ENSG00000165949
##	30	467	14341	828	35

##	ENSG00000119632	ENSG00000119698	ENSG00000140093	ENSG00000170099	ENSG00000197249
##	2882	30	0	1	107
##	ENSG00000186910	ENSG00000170054	ENSG00000165953	ENSG00000100665	ENSG00000188488
##	0	15	0	0	2
##	ENSG00000273259	ENSG00000196136	ENSG00000133937	ENSG00000100697	ENSG00000165959
##	0	2	1	9521	11
##	ENSG00000176438	ENSG00000182512	ENSG00000213231	ENSG00000100721	ENSG00000168398
##	1520	4650	0	0	12873
##	ENSG00000258691	ENSG00000100739	ENSG00000066739	ENSG00000100744	ENSG00000140057
##	3	5007	6767	2922	2
##	ENSG00000090060	ENSG00000100749	ENSG00000176605	ENSG00000127152	ENSG00000183576
##	15820	921	0	7	3732
##	ENSG00000090061	ENSG00000205476	ENSG00000182218	ENSG00000036530	ENSG00000066629
##	1392	2221	253	52	6257
##	ENSG00000196405	ENSG00000168350	ENSG00000100811	ENSG00000197119	ENSG00000140107
##	2563	0	11294	3070	1
##	ENSG00000140105	ENSG00000176473	ENSG00000183092	ENSG00000185559	ENSG00000254656
##	18489	1041	84	550	15
##	ENSG00000197406	ENSG00000078304	ENSG00000197102	ENSG00000080824	ENSG00000140153
##	28	8813	111010	112800	2122
##	ENSG00000080823	ENSG00000022976	ENSG00000100865	ENSG00000196663	ENSG00000156381
##	929	516	2518	6163	2014
##	ENSG00000089902	ENSG00000131323	ENSG00000166126	ENSG00000198752	ENSG00000205436
##	4293	6180	22	20835	0
##	ENSG00000185215	ENSG00000100664	ENSG00000075413	ENSG00000166165	ENSG00000166166
##	683	26103	10326	2711	2203
##	ENSG00000166170	ENSG00000126214	ENSG00000256053	ENSG00000256500	ENSG00000126215
##	3992	4662	1161	0	486
##	ENSG00000100711	ENSG00000088808	ENSG00000156411	ENSG00000156414	ENSG00000227729
##	2994	430	4474	1	0
##	ENSG00000166183	ENSG00000066735	ENSG00000258986	ENSG00000184601	ENSG00000203485
##	0	3	8	0	13694
##	ENSG00000185100	ENSG00000184990	ENSG00000142208	ENSG00000179627	ENSG00000099814
##	147	2988	16990	384	10301
##	ENSG00000166428	ENSG00000185567	ENSG00000140104	ENSG00000170779	ENSG00000183484
##	4	2668	609	1141	15
##	ENSG00000184916	ENSG00000183828	ENSG00000185024	ENSG00000184887	ENSG00000179364
##	115	757	3000	3301	5217
##	ENSG00000226174	ENSG00000182979	ENSG00000182809	ENSG00000213145	ENSG00000257341
##	45	4369	5327	1	0
##	ENSG00000185347	ENSG00000184986	ENSG00000277322	ENSG00000230031	ENSG00000278522
##	330	207	0	0	0
##	ENSG00000182974	ENSG00000279408	ENSG00000233917	ENSG00000274102	ENSG00000183706
##	0	0	0	0	0
##	ENSG00000277865	ENSG00000170113	ENSG00000140157	ENSG00000273749	ENSG00000275835
##	0	2188	6589	17916	1741
##	ENSG00000273976	ENSG00000261739	ENSG00000174450	ENSG00000179455	ENSG00000281873
##	0	1	0	8	0
##	ENSG00000254585	ENSG00000182636	ENSG00000185823	ENSG00000128739	ENSG00000273173
##	286	5055	2	1448	27
##	ENSG00000214265	ENSG00000279735	ENSG00000114062	ENSG00000206190	ENSG00000166206
##	0	3	10384	3545	62
##	ENSG00000186297	ENSG00000182256	ENSG00000104044	ENSG00000128731	ENSG00000153684
##	130	0	0	11593	0

##	ENSG00000183629	ENSG00000188626	ENSG00000034053	ENSG00000104059	ENSG00000185115
##	0	6	4836	9	1871
##	ENSG00000104067	ENSG00000179938	ENSG00000261247	ENSG00000166664	ENSG00000186399
##	14487	0	1	0	14
##	ENSG00000178115	ENSG00000261794	ENSG00000187951	ENSG00000198690	ENSG00000166912
##	3	4	326	1642	1953
##	ENSG00000134160	ENSG00000169926	ENSG00000169918	ENSG00000175344	ENSG00000249931
##	1	7038	10	9	1
##	ENSG00000206127	ENSG00000232653	ENSG00000198826	ENSG00000166922	ENSG00000166923
##	6	38	3576	1179	214485
##	ENSG00000248905	ENSG00000198838	ENSG00000169857	ENSG00000184984	ENSG00000134153
##	7342	106	2033	7	5918
##	ENSG00000182405	ENSG00000134152	ENSG00000128463	ENSG00000140199	ENSG00000182117
##	540	3367	5381	3631	6447
##	ENSG00000184507	ENSG00000176454	ENSG00000175265	ENSG00000215252	ENSG00000159248
##	1	1865	827	487	3
##	ENSG00000159251	ENSG00000021776	ENSG00000198146	ENSG00000255192	ENSG00000134146
##	131	5842	2606	1	353
##	ENSG00000186073	ENSG00000134138	ENSG00000166069	ENSG00000166068	ENSG00000171262
##	1057	2536	0	10707	3140
##	ENSG00000172575	ENSG00000175779	ENSG00000137801	ENSG00000150667	ENSG00000166073
##	81	1	580542	68	13285
##	ENSG00000128829	ENSG00000140319	ENSG00000104081	ENSG00000156970	ENSG00000259288
##	18521	19445	5157	1570	0
##	ENSG00000137843	ENSG00000137841	ENSG00000230778	ENSG00000188549	ENSG00000233041
##	1	22	0	6868	1
##	ENSG00000140323	ENSG00000128944	ENSG00000128928	ENSG00000140320	ENSG00000169105
##	568	2512	4612	3051	4150
##	ENSG00000128891	ENSG00000166133	ENSG00000137812	ENSG00000279084	ENSG00000051180
##	1086	739	1747	0	520
##	ENSG00000137824	ENSG00000137880	ENSG00000104129	ENSG00000188277	ENSG00000166140
##	3999	5	692	72	1309
##	ENSG00000166143	ENSG00000166145	ENSG00000104140	ENSG00000104142	ENSG00000128917
##	0	255	22	7124	8374
##	ENSG00000128965	ENSG00000128908	ENSG00000178997	ENSG00000187446	ENSG00000104147
##	13236	3318	2	13775	114
##	ENSG00000137804	ENSG00000137806	ENSG00000137815	ENSG00000137825	ENSG00000062524
##	1828	1745	9513	386	65
##	ENSG00000103932	ENSG00000092445	ENSG00000174197	ENSG00000137802	ENSG00000279937
##	4000	2298	4322	3714	7
##	ENSG00000243789	ENSG00000168970	ENSG00000243708	ENSG00000137877	ENSG00000103966
##	6	63	9	89	5315
##	ENSG00000188089	ENSG00000159337	ENSG00000168907	ENSG00000166887	ENSG00000103978
##	0	1	0	7278	5778
##	ENSG00000214013	ENSG00000092529	ENSG00000103994	ENSG00000092531	ENSG00000180979
##	1150	6	14319	4892	2342
##	ENSG00000137814	ENSG00000159433	ENSG00000140326	ENSG00000128881	ENSG00000159459
##	1739	871	1475	1235	6234
##	ENSG00000166947	ENSG00000137842	ENSG00000166946	ENSG00000104055	ENSG00000159495
##	2	698	3271	0	0
##	ENSG00000168806	ENSG00000168803	ENSG00000140265	ENSG00000137822	ENSG00000067369
##	891	526	1913	1078	10252
##	ENSG00000166963	ENSG00000168781	ENSG00000237289	ENSG00000242866	ENSG00000166762
##	63998	654	0	0	20

##	ENSG00000223572	ENSG00000167004	ENSG00000128886	ENSG00000262560	ENSG00000140264
##	1	57659	9	0	23227
##	ENSG00000279808	ENSG00000184716	ENSG00000242028	ENSG00000140259	ENSG00000092470
##	0	0	54	3469	492
##	ENSG00000171877	ENSG00000166734	ENSG00000137770	ENSG00000104131	ENSG00000104133
##	898	14957	2155	8008	4523
##	ENSG00000229474	ENSG00000166710	ENSG00000185880	ENSG00000167014	ENSG00000140263
##	9	59900	748	0	1161
##	ENSG00000140279	ENSG00000140274	ENSG00000140254	ENSG00000137857	ENSG00000138606
##	2	0	2	66	409
##	ENSG00000137860	ENSG00000171766	ENSG00000171763	ENSG00000166920	ENSG00000104154
##	5	9	1091	24	1184
##	ENSG00000104164	ENSG00000260170	ENSG00000137767	ENSG00000259752	ENSG00000137872
##	12036	2	1263	0	7881
##	ENSG00000188467	ENSG00000104177	ENSG00000233932	ENSG00000074803	ENSG00000128951
##	0	1163	0	1	2367
##	ENSG00000166147	ENSG00000103995	ENSG00000185634	ENSG00000255302	ENSG00000138593
##	112712	630	557	35918	13317
##	ENSG00000166200	ENSG00000156958	ENSG00000166262	ENSG00000140285	ENSG00000104047
##	10042	1124	195	10385	2309
##	ENSG00000104043	ENSG00000140284	ENSG00000140287	ENSG00000104064	ENSG00000138592
##	220	3	0	2943	5536
##	ENSG00000170236	ENSG00000092439	ENSG00000138600	ENSG00000081014	ENSG00000183578
##	1	6748	5981	2320	144
##	ENSG00000137869	ENSG00000186417	ENSG00000104093	ENSG00000104112	ENSG00000140280
##	9	6	3344	3	516
##	ENSG00000128872	ENSG00000138594	ENSG00000166477	ENSG00000069956	ENSG00000137875
##	4514	9506	3040	14108	2
##	ENSG00000069966	ENSG00000128833	ENSG00000197535	ENSG00000280817	ENSG00000128989
##	1380	2	11646	0	11870
##	ENSG00000047346	ENSG00000169856	ENSG00000166415	ENSG00000137766	ENSG00000137876
##	2819	2	0	25	6450
##	ENSG00000069974	ENSG00000225973	ENSG00000069943	ENSG00000260916	ENSG00000261652
##	1799	303	734	1153	49
##	ENSG00000256061	ENSG00000171016	ENSG00000166450	ENSG00000069869	ENSG00000181827
##	10	890	116	11635	2840
##	ENSG00000151575	ENSG00000138587	ENSG00000137871	ENSG00000140262	ENSG00000128849
##	96	63	1937	11613	50
##	ENSG00000137878	ENSG00000263155	ENSG00000255529	ENSG00000128918	ENSG00000103569
##	0	0	1928	22	1
##	ENSG00000166035	ENSG00000137845	ENSG00000128923	ENSG00000157450	ENSG00000137776
##	3	26930	4711	3541	6745
##	ENSG00000157456	ENSG00000157483	ENSG00000171989	ENSG00000157470	ENSG00000140297
##	1700	4204	1	5	3
##	ENSG00000140307	ENSG00000140299	ENSG00000171956	ENSG00000182718	ENSG00000128915
##	3971	9444	0	168954	2341
##	ENSG00000069667	ENSG00000129003	ENSG00000198535	ENSG00000205502	ENSG00000171914
##	1471	9297	3	1	5626
##	ENSG00000140416	ENSG00000103642	ENSG00000185088	ENSG00000166128	ENSG00000138613
##	77929	4442	13464	4142	1955
##	ENSG00000074410	ENSG00000140455	ENSG00000197361	ENSG00000103657	ENSG00000035664
##	1675	1568	35	8920	93
##	ENSG00000166797	ENSG00000028528	ENSG00000157734	ENSG00000166794	ENSG00000169118
##	1240	7972	92	27042	2676

##	ENSG00000259316	ENSG00000166803	ENSG00000103671	ENSG00000180357	ENSG00000180304
##	1	851	2076	7447	10790
##	ENSG00000166831	ENSG00000140451	ENSG00000241839	ENSG00000249240	ENSG00000166839
##	335	437	4024	0	256
##	ENSG00000090487	ENSG00000103707	ENSG00000186198	ENSG00000103710	ENSG00000234438
##	7249	996	6	41	0
##	ENSG00000246922	ENSG00000090470	ENSG00000166855	ENSG00000138615	ENSG00000138617
##	112	1717	4387	17	354
##	ENSG00000174498	ENSG00000103742	ENSG00000074603	ENSG00000074696	ENSG00000138614
##	12	1446	5403	12497	2201
##	ENSG00000074621	ENSG00000174485	ENSG00000103769	ENSG00000157890	ENSG00000166938
##	771	2902	11584	8	757
##	ENSG00000075131	ENSG00000169032	ENSG00000174446	ENSG00000174444	ENSG00000174442
##	384	6031	647	100362	2165
##	ENSG00000188501	ENSG00000137834	ENSG00000166949	ENSG00000103591	ENSG00000103599
##	280	978	36431	4237	104
##	ENSG00000189227	ENSG00000137764	ENSG00000188779	ENSG00000033800	ENSG00000129007
##	307	1410	10	2726	30
##	ENSG00000260007	ENSG00000128973	ENSG00000169018	ENSG00000137809	ENSG00000103647
##	0	1873	8415	14283	10068
##	ENSG00000140350	ENSG00000258484	ENSG00000255346	ENSG00000138604	ENSG00000137819
##	4853	175	5	6552	1962
##	ENSG00000137807	ENSG00000137818	ENSG00000140332	ENSG00000137831	ENSG00000166173
##	3357	52443	2523	109969	8047
##	ENSG00000137821	ENSG00000129028	ENSG00000187720	ENSG00000225362	ENSG00000278570
##	941	377	9182	26	7
##	ENSG00000066933	ENSG00000166192	ENSG00000175318	ENSG00000067225	ENSG00000137817
##	4460	235	3	269934	1163
##	ENSG00000273025	ENSG00000260729	ENSG00000140488	ENSG00000213614	ENSG00000187806
##	0	3	0	3852	0
##	ENSG00000166233	ENSG00000215186	ENSG00000175202	ENSG00000140463	ENSG00000159322
##	7239	0	2	1650	5912
##	ENSG00000067141	ENSG00000138622	ENSG00000183324	ENSG00000156642	ENSG00000103855
##	18799	2	1	24437	23867
##	ENSG00000205363	ENSG00000167139	ENSG00000129038	ENSG00000067221	ENSG00000140464
##	75	0	13867	1598	5529
##	ENSG00000159289	ENSG00000167178	ENSG00000129009	ENSG00000137868	ENSG00000140481
##	0	3	33	4	0
##	ENSG00000140459	ENSG00000138623	ENSG00000138629	ENSG00000179361	ENSG00000179335
##	13	16778	3276	598	2934
##	ENSG00000179151	ENSG00000140465	ENSG00000140505	ENSG00000103653	ENSG00000140506
##	2963	20	0	6558	0
##	ENSG00000213578	ENSG00000140474	ENSG00000140497	ENSG00000178802	ENSG00000178761
##	0	1845	7096	1868	1232
##	ENSG00000178741	ENSG00000178718	ENSG00000198794	ENSG00000138621	ENSG00000167173
##	6074	103	232	528	1434
##	ENSG00000140478	ENSG00000167195	ENSG00000140365	ENSG00000140398	ENSG00000140400
##	0	0	3048	134	1839
##	ENSG00000169375	ENSG00000169410	ENSG00000169371	ENSG00000177971	ENSG00000173548
##	4654	6867	784	1886	5699
##	ENSG00000173546	ENSG00000182950	ENSG00000140367	ENSG00000167196	ENSG00000169752
##	16480	14	7415	5454	13
##	ENSG00000169758	ENSG00000140374	ENSG00000159556	ENSG00000140386	ENSG00000117906
##	31	8419	82	922	7672

##	ENSG00000140368	ENSG00000140391	ENSG00000173517	ENSG00000140382	ENSG00000169783
##	8	17231	14169	2268	5
##	ENSG00000167202	ENSG00000183476	ENSG00000136425	ENSG00000166411	ENSG00000103740
##	6786	2	160	2180	3
##	ENSG00000140403	ENSG00000140395	ENSG00000166426	ENSG00000136381	ENSG00000188266
##	54	2809	0	8474	86
##	ENSG00000041357	ENSG00000169684	ENSG00000080644	ENSG00000117971	ENSG00000136378
##	10051	28	1	0	7530
##	ENSG00000185787	ENSG00000103811	ENSG00000058335	ENSG00000235711	ENSG00000166557
##	37922	302	35	0	14163
##	ENSG00000169330	ENSG00000136371	ENSG00000259332	ENSG00000180953	ENSG00000140379
##	334	23	2	125	61
##	ENSG00000086666	ENSG00000103876	ENSG00000172379	ENSG00000136379	ENSG00000103888
##	5980	3245	3224	1975	17129
##	ENSG00000117899	ENSG00000140406	ENSG00000156206	ENSG00000172349	ENSG00000172345
##	6210	3558	2	118	135
##	ENSG00000188869	ENSG00000183496	ENSG00000140598	ENSG00000188659	ENSG00000278662
##	9	1707	2902	29	62
##	ENSG00000197978	ENSG00000182774	ENSG00000260836	ENSG00000214575	ENSG00000103723
##	199	24408	1	483	22
##	ENSG00000186628	ENSG00000156232	ENSG00000103942	ENSG00000169612	ENSG00000169609
##	4	1178	87	760	944
##	ENSG00000064726	ENSG00000136404	ENSG00000166503	ENSG00000169594	ENSG00000140600
##	11683	140	6810	162	4
##	ENSG00000156218	ENSG00000259511	ENSG00000184206	ENSG00000176371	ENSG00000177082
##	4	16	36	682	476
##	ENSG00000197696	ENSG00000140612	ENSG00000166716	ENSG00000136383	ENSG00000156222
##	334	10567	4058	31	0
##	ENSG00000073417	ENSG00000170776	ENSG00000183655	ENSG00000166748	ENSG00000140538
##	5547	6189	764	0	2
##	ENSG00000259494	ENSG00000181991	ENSG00000140543	ENSG00000181026	ENSG00000172183
##	389	1963	590	10990	105
##	ENSG00000157766	ENSG00000140511	ENSG00000140545	ENSG00000140526	ENSG00000140522
##	192	1874	99800	16437	0
##	ENSG00000140525	ENSG00000140521	ENSG00000140519	ENSG00000140534	ENSG00000166813
##	2154	5658	2	446	1907
##	ENSG00000166819	ENSG00000166821	ENSG00000140527	ENSG00000166823	ENSG00000188095
##	2	217	7	13	6
##	ENSG00000166825	ENSG00000157823	ENSG00000250021	ENSG00000242498	ENSG00000140548
##	10594	1707	1	1334	1415
##	ENSG00000182054	ENSG00000185033	ENSG00000185043	ENSG00000183208	ENSG00000261147
##	5680	3514	5589	119	2
##	ENSG00000182768	ENSG00000275674	ENSG00000196391	ENSG00000140575	ENSG00000140577
##	3902	3	135	45866	3094
##	ENSG00000197299	ENSG00000140564	ENSG00000182511	ENSG00000196547	ENSG00000184508
##	383	27538	324	5114	184
##	ENSG00000140553	ENSG00000166965	ENSG00000198901	ENSG00000184056	ENSG00000185518
##	8833	569	4341	1286	0
##	ENSG00000176463	ENSG00000140557	ENSG00000185442	ENSG00000279765	ENSG00000173575
##	1176	1	33	5	8214
##	ENSG00000182175	ENSG00000140563	ENSG00000185551	ENSG00000185594	ENSG00000140450
##	16	1656	19360	0	3279
##	ENSG00000185087	ENSG00000140443	ENSG00000183571	ENSG00000182253	ENSG00000103852
##	0	6622	1	1601	1906

##	ENSG00000168904	ENSG00000281635	ENSG00000068305	ENSG00000183060	ENSG00000140470
##	759	0	3055	442	13
##	ENSG00000154227	ENSG00000140471	ENSG00000183475	ENSG00000279588	ENSG00000184254
##	0	580	1429	0	673
##	ENSG00000154237	ENSG00000131873	ENSG00000131871	ENSG00000131876	ENSG00000140479
##	1881	9683	6663	3364	15
##	ENSG00000184277	ENSG00000185418	ENSG00000184140	ENSG00000182854	ENSG00000177693
##	2292	1894	0	0	0
##	ENSG00000161980	ENSG00000161981	ENSG00000007384	ENSG00000103152	ENSG00000103148
##	1085	2378	8901	3987	4119
##	ENSG00000130656	ENSG00000206177	ENSG00000188536	ENSG00000206172	ENSG00000086506
##	0	0	0	0	12
##	ENSG00000007392	ENSG00000167930	ENSG00000269881	ENSG00000076344	ENSG00000242173
##	2800	5470	4	40	16
##	ENSG00000185615	ENSG00000103126	ENSG00000086504	ENSG00000129925	ENSG00000103202
##	2	2837	5791	14346	13172
##	ENSG00000242612	ENSG00000090565	ENSG00000103326	ENSG00000161992	ENSG00000007541
##	802	7437	6174	0	2936
##	ENSG00000257108	ENSG00000197562	ENSG00000127578	ENSG00000130731	ENSG00000172366
##	143	2030	42	3268	892
##	ENSG00000102854	ENSG00000161996	ENSG00000140983	ENSG00000103269	ENSG00000103266
##	3	876	6324	120	5658
##	ENSG00000161999	ENSG00000127580	ENSG00000127585	ENSG00000103260	ENSG00000103254
##	1506	1050	516	2483	1068
##	ENSG00000162004	ENSG00000103253	ENSG00000103245	ENSG00000162006	ENSG00000007376
##	101	665	1657	0	3178
##	ENSG00000127586	ENSG00000127588	ENSG00000167945	ENSG00000103227	ENSG00000005513
##	600	1	1	1628	59
##	ENSG00000162009	ENSG00000184471	ENSG00000196557	ENSG00000116176	ENSG00000197253
##	0	0	3572	7	2
##	ENSG00000172236	ENSG00000095917	ENSG00000103275	ENSG00000007516	ENSG00000007520
##	0	0	8172	79	4051
##	ENSG00000090581	ENSG00000059145	ENSG00000174109	ENSG00000197599	ENSG00000103249
##	3589	2434	749	15	8285
##	ENSG00000251692	ENSG00000100726	ENSG00000187535	ENSG00000131634	ENSG00000007545
##	3	2956	1798	1445	1182
##	ENSG00000261732	ENSG00000206053	ENSG00000138834	ENSG00000103024	ENSG00000074071
##	4	6292	4941	1620	4844
##	ENSG00000197774	ENSG00000162032	ENSG00000095906	ENSG00000099769	ENSG00000063854
##	1018	23	3558	5	2302
##	ENSG00000180185	ENSG00000162039	ENSG00000162040	ENSG00000198736	ENSG00000140986
##	3356	10	0	1737	9
##	ENSG00000140990	ENSG00000140988	ENSG00000179580	ENSG00000183751	ENSG00000196408
##	5359	87655	2	3545	10
##	ENSG00000127554	ENSG00000127561	ENSG00000167962	ENSG00000183971	ENSG00000065054
##	1572	226	3475	103	6032
##	ENSG00000065057	ENSG00000103197	ENSG00000008710	ENSG00000167964	ENSG00000131653
##	569	9943	21337	99	9658
##	ENSG00000167971	ENSG00000167965	ENSG00000182685	ENSG00000184207	ENSG00000167967
##	22	2550	85	1840	1791
##	ENSG00000167968	ENSG00000167969	ENSG00000205937	ENSG00000279473	ENSG00000167972
##	38	1431	8147	0	247
##	ENSG00000162063	ENSG00000162062	ENSG00000162068	ENSG00000162065	ENSG00000260272
##	1718	338	27	2401	0

##	ENSG00000185883	ENSG00000259784	ENSG00000162066	ENSG00000205923	ENSG00000140992
##	443	0	895	0	4294
##	ENSG00000167977	ENSG00000172382	ENSG00000167978	ENSG00000103363	ENSG00000103355
##	5663	23	46645	10650	1
##	ENSG00000007038	ENSG00000162078	ENSG00000005001	ENSG00000162076	ENSG00000059122
##	4	35	71	2063	6487
##	ENSG00000131650	ENSG00000127564	ENSG00000162073	ENSG00000270168	ENSG00000213937
##	16	564	340	0	1
##	ENSG00000184697	ENSG00000006327	ENSG00000103145	ENSG00000131652	ENSG00000162069
##	21	20921	1603	673	2
##	ENSG00000008516	ENSG00000008517	ENSG00000130182	ENSG00000122386	ENSG00000085644
##	18	906	1	829	1963
##	ENSG00000228146	ENSG00000168124	ENSG00000010539	ENSG00000103313	ENSG00000006194
##	14	11	720	1	3205
##	ENSG00000140993	ENSG00000162086	ENSG00000168158	ENSG00000262621	ENSG00000232196
##	148	1182	0	5	17
##	ENSG00000140987	ENSG00000103343	ENSG00000167981	ENSG00000122390	ENSG00000215131
##	68	800	557	4199	0
##	ENSG00000103351	ENSG00000167984	ENSG00000188827	ENSG00000213918	ENSG00000126602
##	1056	56	1736	1008	3529
##	ENSG00000005339	ENSG00000162104	ENSG00000185739	ENSG00000090447	ENSG00000126603
##	8948	6056	4	446	2230
##	ENSG00000217930	ENSG00000103426	ENSG00000262246	ENSG00000168140	ENSG00000103423
##	89	0	181	29552	4002
##	ENSG00000153406	ENSG00000103415	ENSG00000089486	ENSG00000205832	ENSG00000153443
##	1455	4296	2920	2	2500
##	ENSG00000102858	ENSG00000168101	ENSG00000168096	ENSG00000166246	ENSG00000103199
##	11663	2486	1518	106	1071
##	ENSG00000140623	ENSG00000267795	ENSG00000067836	ENSG00000140632	ENSG00000118900
##	0	0	928	11671	9252
##	ENSG00000118898	ENSG00000103184	ENSG00000103174	ENSG00000033011	ENSG00000153446
##	128	2	1541	2736	33
##	ENSG00000118894	ENSG00000078328	ENSG00000232258	ENSG00000067365	ENSG00000183044
##	670	0	0	2500	1274
##	ENSG00000184857	ENSG00000140650	ENSG00000153048	ENSG00000187555	ENSG00000182831
##	446	1816	2924	10911	8940
##	ENSG00000183454	ENSG00000166669	ENSG00000213853	ENSG00000153060	ENSG00000103274
##	24	112	2021	5	658
##	ENSG00000166676	ENSG00000179583	ENSG00000182108	ENSG00000038532	ENSG00000175643
##	17	63	88	4488	305
##	ENSG00000185338	ENSG00000178279	ENSG00000178257	ENSG00000122304	ENSG00000175646
##	342	0	0	0	0
##	ENSG00000280717	ENSG00000188897	ENSG00000189067	ENSG00000184602	ENSG00000153066
##	0	42	11891	2172	3430
##	ENSG00000122299	ENSG00000171490	ENSG00000103342	ENSG00000234719	ENSG00000048462
##	7087	10786	21625	107	5
##	ENSG00000048471	ENSG00000103381	ENSG00000237515	ENSG00000175595	ENSG00000186260
##	6238	2116	0	1370	2308
##	ENSG00000140694	ENSG00000103429	ENSG00000069764	ENSG00000224712	ENSG00000254852
##	2778	8263	15	1	0
##	ENSG00000183426	ENSG00000103512	ENSG00000179889	ENSG00000157045	ENSG00000085721
##	231	13235	14753	3226	5238
##	ENSG00000183793	ENSG00000261130	ENSG00000156968	ENSG00000166780	ENSG00000166783
##	10	0	16	4159	5074

##	ENSG00000072864	ENSG00000133392	ENSG00000133393	ENSG00000103222	ENSG00000091262
##	1451	96	3844	29897	194
##	ENSG00000103226	ENSG00000183889	ENSG00000214967	ENSG00000103489	ENSG00000214940
##	2599	24	2	8383	0
##	ENSG00000233024	ENSG00000185164	ENSG00000134419	ENSG00000260342	ENSG00000170540
##	2	6568	8106	3	11278
##	ENSG00000157106	ENSG00000170537	ENSG00000167186	ENSG00000205730	ENSG00000261427
##	11473	76	893	11624	3
##	ENSG00000103528	ENSG00000261210	ENSG00000103534	ENSG00000006007	ENSG00000103540
##	8	0	9	10859	1946
##	ENSG00000103544	ENSG00000103550	ENSG00000174628	ENSG00000167191	ENSG00000180269
##	5146	1407	171	1172	0
##	ENSG00000169347	ENSG00000169344	ENSG00000169340	ENSG00000183549	ENSG00000183747
##	0	0	0	0	0
##	ENSG00000066813	ENSG00000005187	ENSG00000166743	ENSG00000066654	ENSG00000196678
##	0	10	0	3263	802
##	ENSG00000005189	ENSG00000188215	ENSG00000102897	ENSG00000158486	ENSG00000011638
##	170	2623	1069	8	3754
##	ENSG00000103310	ENSG00000175311	ENSG00000103316	ENSG00000169246	ENSG00000197006
##	0	0	13	113	10412
##	ENSG00000140749	ENSG00000155719	ENSG00000185864	ENSG00000140740	ENSG00000155714
##	10	2	156	10326	0
##	ENSG00000185716	ENSG00000175267	ENSG00000183921	ENSG00000103319	ENSG00000058600
##	3402	0	3	2717	2580
##	ENSG00000140743	ENSG00000243716	ENSG00000122254	ENSG00000103404	ENSG00000166828
##	4749	172	4	820	0
##	ENSG00000168447	ENSG00000168434	ENSG00000103365	ENSG00000103356	ENSG00000103353
##	0	1727	2561	2667	18239
##	ENSG00000004779	ENSG00000083093	ENSG00000166847	ENSG00000166851	ENSG00000134398
##	3927	1109	14063	2951	1
##	ENSG00000166869	ENSG00000166501	ENSG00000006116	ENSG00000122257	ENSG00000090905
##	0	3	0	6411	10432
##	ENSG00000158865	ENSG00000140750	ENSG00000205629	ENSG00000103375	ENSG00000155592
##	6	7472	2516	3	1336
##	ENSG00000182601	ENSG00000155666	ENSG00000169189	ENSG00000077238	ENSG00000103522
##	0	326	2416	9423	428
##	ENSG00000077235	ENSG00000047578	ENSG00000169181	ENSG00000169180	ENSG00000188322
##	17759	2450	0	16432	33
##	ENSG00000198156	ENSG00000205609	ENSG00000233232	ENSG00000261832	ENSG00000188603
##	10	161	1	0	169
##	ENSG00000184730	ENSG00000197272	ENSG00000176046	ENSG00000176476	ENSG00000197165
##	7	0	4182	297	0
##	ENSG00000196502	ENSG00000255524	ENSG00000184110	ENSG00000196993	ENSG00000168488
##	36	4	1308	3	11405
##	ENSG00000178952	ENSG00000178188	ENSG00000196296	ENSG00000177548	ENSG00000177455
##	14169	3492	43	2942	0
##	ENSG00000176953	ENSG00000169682	ENSG00000213658	ENSG00000254206	ENSG00000261740
##	3502	38	4	86	89
##	ENSG00000183336	ENSG00000181625	ENSG00000213648	ENSG00000258150	ENSG00000169203
##	0	9	0	0	14
##	ENSG00000197471	ENSG00000277669	ENSG00000103485	ENSG00000185905	ENSG00000174992
##	0	0	1505	0	0
##	ENSG00000079616	ENSG00000103495	ENSG00000167371	ENSG00000280893	ENSG00000280789
##	1667	3202	200	0	241

##	ENSG00000281348	ENSG00000013364	ENSG00000103502	ENSG00000174938	ENSG00000174939
##	3	28818	9723	3897	1108
##	ENSG00000174943	ENSG00000149932	ENSG00000149930	ENSG00000149929	ENSG00000169592
##	2286	4632	13239	540	2256
##	ENSG00000149927	ENSG00000167194	ENSG00000149926	ENSG00000149925	ENSG00000149923
##	2	0	12	105078	12478
##	ENSG00000149922	ENSG00000090238	ENSG00000102886	ENSG00000102882	ENSG00000102879
##	3	1088	28	5999	322
##	ENSG00000169627	ENSG00000132207	ENSG00000213599	ENSG00000261052	ENSG00000258130
##	28	0	0	3	19
##	ENSG00000198064	ENSG00000169217	ENSG00000169221	ENSG00000180209	ENSG00000180035
##	7	7273	8142	8	1190
##	ENSG00000180096	ENSG00000179965	ENSG00000179958	ENSG00000179918	ENSG00000005844
##	107	1024	1449	5319	4
##	ENSG00000169957	ENSG00000261459	ENSG00000169955	ENSG00000260869	ENSG00000169951
##	2177	0	260	0	686
##	ENSG00000229809	ENSG00000197162	ENSG00000156853	ENSG00000156858	ENSG00000156860
##	413	635	773	2115	8733
##	ENSG00000080603	ENSG00000282034	ENSG00000281991	ENSG00000156873	ENSG00000196118
##	770	23	0	1444	84
##	ENSG00000103549	ENSG00000102870	ENSG00000099385	ENSG00000150281	ENSG00000099364
##	6004	5303	3169	482	6419
##	ENSG00000175938	ENSG00000099381	ENSG00000099377	ENSG00000099365	ENSG00000103496
##	897	2949	259	570	4483
##	ENSG00000167394	ENSG00000167395	ENSG00000151006	ENSG00000255439	ENSG00000167397
##	911	3280	43	0	2247
##	ENSG00000103507	ENSG00000103510	ENSG00000052344	ENSG00000178226	ENSG00000089280
##	5671	1298	1	27	18217
##	ENSG00000103490	ENSG00000177238	ENSG00000169900	ENSG00000169896	ENSG00000140678
##	397	0	0	3	26
##	ENSG00000156886	ENSG00000156885	ENSG00000176723	ENSG00000140691	ENSG00000140682
##	0	0	65	1574	10928
##	ENSG00000140675	ENSG00000140688	ENSG00000169877	ENSG00000197302	ENSG00000185947
##	17	3431	0	1500	1487
##	ENSG00000205456	ENSG00000183632	ENSG00000205457	ENSG00000275034	ENSG00000261509
##	3	0	0	0	0
##	ENSG00000278848	ENSG00000259680	ENSG00000171241	ENSG00000069329	ENSG00000091651
##	0	0	2378	15900	807
##	ENSG00000140795	ENSG00000155330	ENSG00000166123	ENSG00000069345	ENSG00000171208
##	19	3644	3931	8437	6906
##	ENSG00000129636	ENSG00000102893	ENSG00000140798	ENSG00000121270	ENSG00000102910
##	9416	5918	1	9	10508
##	ENSG00000196470	ENSG00000102921	ENSG00000102924	ENSG00000166152	ENSG00000102935
##	601	4239	1	0	61
##	ENSG00000205423	ENSG00000155393	ENSG00000121274	ENSG00000121281	ENSG00000166164
##	2112	1983	2170	1014	4538
##	ENSG00000140807	ENSG00000167208	ENSG00000167207	ENSG00000083799	ENSG00000103449
##	24	0	0	6212	6680
##	ENSG00000103460	ENSG00000177200	ENSG00000279018	ENSG00000103479	ENSG00000166971
##	0	8581	0	3863	1194
##	ENSG00000103494	ENSG00000140718	ENSG00000177508	ENSG00000176842	ENSG00000159387
##	2199	4731	0	5	0
##	ENSG00000087245	ENSG00000087253	ENSG00000256812	ENSG00000103546	ENSG00000198848
##	83866	2828	2	0	14

##	ENSG00000159398	ENSG00000087258	ENSG00000159461	ENSG00000167005	ENSG00000087263
##	0	15	12334	8514	6474
##	ENSG00000125124	ENSG00000102891	ENSG00000087250	ENSG00000125148	ENSG00000169715
##	2458	0	3	94824	10508
##	ENSG00000205364	ENSG00000205362	ENSG00000169688	ENSG00000198417	ENSG00000125144
##	4	6	0	55	16
##	ENSG00000205358	ENSG00000275691	ENSG00000187193	ENSG00000102900	ENSG00000070915
##	0	0	1032	4903	0
##	ENSG00000051108	ENSG00000087237	ENSG00000140853	ENSG00000140848	ENSG00000172775
##	9029	2	1658	2134	4844
##	ENSG00000159579	ENSG00000102931	ENSG00000102934	ENSG00000102962	ENSG00000006210
##	5704	302	108	0	49
##	ENSG00000102970	ENSG00000005194	ENSG00000088682	ENSG00000102978	ENSG00000125170
##	1	4526	2135	7830	2389
##	ENSG00000135736	ENSG00000159618	ENSG00000205336	ENSG00000182885	ENSG00000159625
##	940	0	1013	0	0
##	ENSG00000140854	ENSG00000140859	ENSG00000070729	ENSG00000159648	ENSG00000166188
##	2405	7342	1	0	1482
##	ENSG00000103005	ENSG00000102996	ENSG00000070761	ENSG00000070770	ENSG00000103021
##	7744	2334	2284	5401	229
##	ENSG00000103023	ENSG00000181938	ENSG00000103034	ENSG00000103037	ENSG00000125107
##	0	233	2109	322	19967
##	ENSG00000279816	ENSG00000103042	ENSG00000125166	ENSG00000278499	ENSG00000150394
##	2	6203	10447	0	0
##	ENSG00000140937	ENSG00000179776	ENSG00000166546	ENSG00000260851	ENSG00000166548
##	18493	0	6	0	2944
##	ENSG00000217555	ENSG00000254788	ENSG00000089505	ENSG00000140932	ENSG00000140931
##	41	33	177	2	7586
##	ENSG00000183723	ENSG00000135720	ENSG00000249961	ENSG00000159593	ENSG00000168748
##	2055	15970	4	3367	6
##	ENSG00000172840	ENSG00000166589	ENSG00000166592	ENSG00000166595	ENSG00000172831
##	3014	0	262	4965	4900
##	ENSG00000172828	ENSG00000172824	ENSG00000067955	ENSG00000125149	ENSG00000237172
##	17	57	7640	1795	2518
##	ENSG00000102871	ENSG00000135722	ENSG00000102878	ENSG00000265690	ENSG00000140939
##	1574	371	24	0	631
##	ENSG00000196123	ENSG00000179044	ENSG00000205250	ENSG00000102890	ENSG00000125122
##	1945	45	5376	74	183
##	ENSG00000168701	ENSG00000135723	ENSG00000135740	ENSG00000196155	ENSG00000168676
##	2918	6265	753	997	4
##	ENSG00000159708	ENSG00000159713	ENSG00000159714	ENSG00000176387	ENSG00000159720
##	4	45	1041	8	10026
##	ENSG00000159723	ENSG00000039523	ENSG00000102974	ENSG00000159753	ENSG00000102977
##	1	7288	3807	129	1271
##	ENSG00000102981	ENSG00000124074	ENSG00000159761	ENSG00000141098	ENSG00000141084
##	23	434	23	3415	1981
##	ENSG00000102904	ENSG00000102901	ENSG00000168286	ENSG00000102898	ENSG00000038358
##	81	3150	1433	9884	5174
##	ENSG00000188038	ENSG00000159792	ENSG00000141086	ENSG00000261884	ENSG00000205220
##	0	6407	2	57	857
##	ENSG00000213398	ENSG00000124067	ENSG00000141096	ENSG00000167261	ENSG00000167264
##	487	14332	0	3	969
##	ENSG00000182810	ENSG00000072736	ENSG00000103067	ENSG00000103066	ENSG00000103064
##	669	2347	7	4933	2129

##	ENSG00000103061	ENSG00000132600	ENSG00000103056	ENSG00000184939	ENSG00000062038
##	538	1967	30	2574	0
##	ENSG00000039068	ENSG00000103047	ENSG00000103044	ENSG00000168802	ENSG00000141076
##	3	1778	118	7541	4726
##	ENSG00000168807	ENSG00000260914	ENSG00000132612	ENSG00000213380	ENSG00000258429
##	9120	1	5095	1801	301
##	ENSG00000272617	ENSG00000260371	ENSG00000259900	ENSG00000132603	ENSG00000157315
##	0	0	0	2573	38
##	ENSG00000132604	ENSG00000103018	ENSG00000102908	ENSG00000181019	ENSG00000141101
##	2268	7485	9576	19411	2704
##	ENSG00000198373	ENSG00000157322	ENSG00000279533	ENSG00000090857	ENSG00000157335
##	3809	4	0	4604	1
##	ENSG00000280006	ENSG00000280252	ENSG00000223496	ENSG00000090861	ENSG00000157349
##	0	1	2532	13254	821
##	ENSG00000260537	ENSG00000168872	ENSG00000157350	ENSG00000157353	ENSG00000103051
##	1	5116	7814	623	4293
##	ENSG00000189091	ENSG00000157368	ENSG00000132613	ENSG00000103043	ENSG00000157423
##	19075	31	4601	4670	5
##	ENSG00000180917	ENSG00000172137	ENSG00000167377	ENSG00000261611	ENSG00000157429
##	3147	188	134	0	93
##	ENSG00000140835	ENSG00000198650	ENSG00000140832	ENSG00000040199	ENSG00000166747
##	1	0	0	3063	12838
##	ENSG00000224470	ENSG00000182149	ENSG00000102984	ENSG00000277481	ENSG00000102967
##	5517	8854	229	4	300
##	ENSG00000140830	ENSG00000257017	ENSG00000261701	ENSG00000140829	ENSG00000118557
##	777	0	0	6978	4
##	ENSG00000280264	ENSG00000140836	ENSG00000103035	ENSG00000196436	ENSG00000140839
##	1	2475	5163	131	7
##	ENSG00000090863	ENSG00000168411	ENSG00000168404	ENSG00000103089	ENSG00000103091
##	34890	2774	647	1	2777
##	ENSG00000186187	ENSG00000166816	ENSG00000184517	ENSG00000168928	ENSG00000168925
##	2641	10	920	8	3
##	ENSG00000050820	ENSG00000153774	ENSG00000261717	ENSG00000166822	ENSG00000183196
##	20609	3006	0	1086	53
##	ENSG00000260092	ENSG00000135702	ENSG00000205084	ENSG00000034713	ENSG00000065457
##	0	1	898	6096	2475
##	ENSG00000065427	ENSG00000166848	ENSG00000152910	ENSG00000261833	ENSG00000103111
##	12356	7235	0	0	3033
##	ENSG00000205078	ENSG00000140873	ENSG00000140876	ENSG00000171724	ENSG00000166509
##	13	2	64	7288	0
##	ENSG00000186153	ENSG00000178573	ENSG00000168589	ENSG00000166446	ENSG00000103121
##	195	22	1	1904	1599
##	ENSG00000166451	ENSG00000166454	ENSG00000166455	ENSG00000140905	ENSG00000279362
##	1213	6444	60	454	0
##	ENSG00000135697	ENSG00000261609	ENSG00000153815	ENSG00000197943	ENSG00000184860
##	0	1269	3738	29	33
##	ENSG00000086696	ENSG00000135698	ENSG00000140945	ENSG00000230989	ENSG00000103150
##	747	4392	7438	11060	797
##	ENSG00000260300	ENSG00000140961	ENSG00000103154	ENSG00000166558	ENSG00000140943
##	23	1340	26	0	10854
##	ENSG00000103160	ENSG00000154099	ENSG00000103168	ENSG00000140955	ENSG00000168418
##	2880	15	1561	0	1
##	ENSG00000103175	ENSG00000064270	ENSG00000140950	ENSG00000103187	ENSG00000135686
##	1940	34	5774	53558	5706

##	ENSG00000103194	ENSG00000103196	ENSG00000153786	ENSG00000135709	ENSG00000153789
##	7397	4243	9090	2935	9
##	ENSG00000131149	ENSG00000131153	ENSG00000154102	ENSG00000131148	ENSG00000131143
##	4569	630	362	3147	15049
##	ENSG00000140968	ENSG00000103241	ENSG00000103248	ENSG00000176692	ENSG00000176678
##	0	22598	1022	1312	13477
##	ENSG00000260456	ENSG00000131152	ENSG00000103264	ENSG00000140941	ENSG00000140948
##	67	0	2309	17113	4876
##	ENSG00000154118	ENSG00000104731	ENSG00000103257	ENSG00000174990	ENSG00000172530
##	13	1321	21954	0	1261
##	ENSG00000225614	ENSG00000179588	ENSG00000158545	ENSG00000124391	ENSG00000051523
##	20846	1078	4646	7	6482
##	ENSG00000167508	ENSG00000185669	ENSG00000280603	ENSG00000158717	ENSG00000174177
##	3876	141	0	1576	2067
##	ENSG00000103335	ENSG00000167513	ENSG00000198931	ENSG00000141012	ENSG00000280675
##	28995	800	5927	4484	0
##	ENSG00000167515	ENSG00000205022	ENSG00000129993	ENSG00000176715	ENSG00000129910
##	2529	0	1	1452	85
##	ENSG00000259803	ENSG00000170100	ENSG00000167522	ENSG00000197912	ENSG00000167526
##	94	828	24628	7679	57605
##	ENSG00000178773	ENSG00000015413	ENSG00000131165	ENSG00000167523	ENSG00000185324
##	844	0	9679	537	2064
##	ENSG00000158792	ENSG00000075399	ENSG00000158805	ENSG00000187741	ENSG00000204991
##	1082	1508	803	765	210
##	ENSG00000141002	ENSG00000258839	ENSG00000198211	ENSG00000258947	ENSG00000140995
##	11201	315	0	836	5216
##	ENSG00000177946	ENSG00000003249	ENSG00000141013	ENSG00000126856	ENSG00000268320
##	520	2261	833	1	0
##	ENSG00000272636	ENSG00000181031	ENSG00000187624	ENSG00000183688	ENSG00000141252
##	6	67	126	7417	7360
##	ENSG00000167695	ENSG00000179409	ENSG00000167699	ENSG00000281182	ENSG00000171861
##	1991	2596	3225	0	686
##	ENSG00000167693	ENSG00000177370	ENSG00000159842	ENSG00000205899	ENSG00000184811
##	10418	3191	14995	2	0
##	ENSG00000108953	ENSG00000167193	ENSG00000197879	ENSG00000132376	ENSG00000174238
##	52020	13809	37190	3603	9299
##	ENSG00000167703	ENSG00000074660	ENSG00000167705	ENSG00000174231	ENSG00000185561
##	1852	30	146	39442	662
##	ENSG00000167716	ENSG00000167711	ENSG00000132386	ENSG00000186532	ENSG00000132383
##	3532	2	3146	985	5822
##	ENSG00000185924	ENSG00000108963	ENSG00000262664	ENSG00000177374	ENSG00000070366
##	8	2049	0	8084	5347
##	ENSG00000167720	ENSG00000167721	ENSG00000141258	ENSG00000070444	ENSG00000127804
##	533	5531	2688	3183	3433
##	ENSG00000007168	ENSG00000132361	ENSG00000132359	ENSG00000262628	ENSG00000184166
##	18638	8873	995	0	0
##	ENSG00000183024	ENSG00000172150	ENSG00000172146	ENSG00000221882	ENSG00000180090
##	0	0	0	0	1
##	ENSG00000180016	ENSG00000159961	ENSG00000127780	ENSG00000141255	ENSG00000108381
##	0	0	0	23	1
##	ENSG00000167723	ENSG00000262304	ENSG00000196689	ENSG00000197417	ENSG00000040531
##	17	1	5	213	1948
##	ENSG00000213977	ENSG00000257950	ENSG00000127774	ENSG00000083454	ENSG00000083457
##	1300	50	214	195	1619

##	ENSG00000177602	ENSG00000074356	ENSG00000004660	ENSG00000108405	ENSG00000074370
##	251	5112	749	1	556
##	ENSG00000074755	ENSG00000167740	ENSG00000185722	ENSG00000132388	ENSG00000182557
##	8230	1432	10762	7267	2
##	ENSG00000183018	ENSG00000132382	ENSG00000167741	ENSG00000188176	ENSG00000161905
##	38	8292	1	0	0
##	ENSG00000141456	ENSG00000141480	ENSG00000161920	ENSG00000161921	ENSG00000141497
##	4390	382	380	59	2
##	ENSG00000142484	ENSG00000182853	ENSG00000182327	ENSG00000142507	ENSG00000129219
##	0	8	53	8029	2226
##	ENSG00000141503	ENSG00000108556	ENSG00000205710	ENSG00000185245	ENSG00000108528
##	13027	7	37	108	4401
##	ENSG00000108523	ENSG00000108518	ENSG00000108515	ENSG00000091640	ENSG00000108509
##	6596	81239	120	4061	4243
##	ENSG00000196388	ENSG00000129250	ENSG00000132517	ENSG00000180787	ENSG00000167840
##	193	23221	3	267	508
##	ENSG00000129204	ENSG00000180626	ENSG00000161929	ENSG00000029725	ENSG00000108559
##	58	522	3	7568	4069
##	ENSG00000129197	ENSG00000108561	ENSG00000005100	ENSG00000072849	ENSG00000167842
##	1997	9132	4100	4152	1514
##	ENSG00000091592	ENSG00000179314	ENSG00000129221	ENSG00000129195	ENSG00000091622
##	23058	35	0	1209	1690
##	ENSG00000198920	ENSG00000129235	ENSG00000108590	ENSG00000279257	ENSG00000141485
##	2527	4245	569	0	0
##	ENSG00000132530	ENSG00000177294	ENSG00000167858	ENSG00000108839	ENSG00000219200
##	28	0	0	115	190
##	ENSG00000161939	ENSG00000258315	ENSG00000161940	ENSG00000174327	ENSG00000174326
##	0	12	2	294	22
##	ENSG00000132514	ENSG00000161944	ENSG00000141505	ENSG00000132535	ENSG00000072778
##	0	0	148	5269	17480
##	ENSG00000004975	ENSG00000040633	ENSG00000170296	ENSG00000262526	ENSG00000175826
##	4236	6516	408	0	5793
##	ENSG00000262302	ENSG00000170291	ENSG00000181885	ENSG00000181856	ENSG00000006047
##	0	2077	14	14	3
##	ENSG00000132507	ENSG00000132522	ENSG00000261915	ENSG00000215041	ENSG00000072818
##	41444	72	0	2415	77
##	ENSG00000213859	ENSG00000182896	ENSG00000174292	ENSG00000187838	ENSG00000262481
##	2415	1	98	24	12
##	ENSG00000205544	ENSG00000169992	ENSG00000181323	ENSG00000184560	ENSG00000181284
##	483	12196	0	0	175
##	ENSG00000161958	ENSG00000170175	ENSG00000174282	ENSG00000259224	ENSG00000181222
##	6	263	11456	24	20101
##	ENSG00000239697	ENSG00000248871	ENSG00000161955	ENSG00000161956	ENSG00000277957
##	516	0	70	1925	5
##	ENSG00000161960	ENSG00000129226	ENSG00000129255	ENSG00000129194	ENSG00000129245
##	219	2	3971	86	7455
##	ENSG00000129214	ENSG00000141504	ENSG00000129244	ENSG00000141510	ENSG00000141499
##	51	3326	38	4816	1080
##	ENSG00000108947	ENSG00000183914	ENSG00000132510	ENSG00000167874	ENSG00000183011
##	459	5	7047	42	1957
##	ENSG00000182224	ENSG00000170004	ENSG00000281523	ENSG00000170049	ENSG00000262730
##	75	23863	1	135	0
##	ENSG00000170043	ENSG00000170037	ENSG00000132518	ENSG00000179593	ENSG00000179477
##	7739	3055	0	1	0

##	ENSG00000179148	ENSG00000179111	ENSG00000179094	ENSG00000263620	ENSG00000220205
##	13	162	1548	0	3292
##	ENSG00000179029	ENSG00000196544	ENSG00000279152	ENSG00000178999	ENSG00000178971
##	319	513	0	985	568
##	ENSG00000178921	ENSG00000125434	ENSG00000108961	ENSG00000198844	ENSG00000184650
##	3034	172	152	0	0
##	ENSG00000184619	ENSG00000263809	ENSG00000161970	ENSG00000189051	ENSG00000166579
##	39	13	7394	0	8049
##	ENSG00000133026	ENSG00000161973	ENSG00000183318	ENSG00000185156	ENSG00000276231
##	13894	0	0	0	0
##	ENSG00000141506	ENSG00000065320	ENSG00000170310	ENSG00000166596	ENSG00000154914
##	0	125	1297	2	0
##	ENSG00000184544	ENSG00000214978	ENSG00000065325	ENSG00000109047	ENSG00000007237
##	0	0	30	8	2252
##	ENSG00000006788	ENSG00000133020	ENSG00000264424	ENSG00000109061	ENSG00000125414
##	0	0	2	0	1
##	ENSG00000109063	ENSG00000133028	ENSG00000170222	ENSG00000187824	ENSG00000233670
##	56	3246	661	160	0
##	ENSG00000188803	ENSG00000007174	ENSG00000154957	ENSG00000065559	ENSG00000141052
##	0	0	502	5307	1955
##	ENSG00000006740	ENSG00000006744	ENSG00000153976	ENSG00000006695	ENSG00000223510
##	312	5897	1176	1283	2
##	ENSG00000125430	ENSG00000109099	ENSG00000125409	ENSG00000239704	ENSG00000259024
##	1330	2421	8	12	5
##	ENSG00000175106	ENSG00000241322	ENSG00000251537	ENSG00000221926	ENSG00000187607
##	261	2	2	1140	1137
##	ENSG00000255104	ENSG00000214946	ENSG00000170425	ENSG00000214941	ENSG00000011295
##	0	0	662	626	2861
##	ENSG00000141027	ENSG00000108474	ENSG00000166582	ENSG00000170315	ENSG00000187688
##	15767	397	784	28974	6109
##	ENSG00000181350	ENSG00000141040	ENSG00000197566	ENSG00000170160	ENSG00000266302
##	62	570	290	90	39
##	ENSG00000240505	ENSG00000133030	ENSG00000179598	ENSG00000264187	ENSG00000154803
##	0	36565	143	4	3243
##	ENSG00000141030	ENSG00000205309	ENSG00000141026	ENSG00000108551	ENSG00000133027
##	5030	19	972	235	1110
##	ENSG00000108557	ENSG00000072310	ENSG00000175662	ENSG00000171962	ENSG00000171953
##	8551	4413	8224	144	789
##	ENSG00000141034	ENSG00000108591	ENSG00000091536	ENSG00000091542	ENSG00000131899
##	2024	2323	11	6845	6872
##	ENSG00000177731	ENSG00000177427	ENSG00000177302	ENSG00000176994	ENSG00000176974
##	18950	1224	2675	6292	339
##	ENSG00000214860	ENSG00000171916	ENSG00000213077	ENSG00000189375	ENSG00000249459
##	0	0	7	1	389
##	ENSG00000108448	ENSG00000171931	ENSG00000171928	ENSG00000141127	ENSG00000154025
##	356	1	4164	1436	3
##	ENSG00000188522	ENSG00000154016	ENSG00000189152	ENSG00000072134	ENSG00000108641
##	4486	1	0	4363	433
##	ENSG00000166484	ENSG00000166482	ENSG00000128482	ENSG00000142494	ENSG00000072210
##	2942	8246	257	1	385
##	ENSG00000180638	ENSG00000108602	ENSG00000083290	ENSG00000108599	ENSG00000128487
##	0	0	1540	3226	5307
##	ENSG00000170298	ENSG00000214819	ENSG00000205212	ENSG00000124422	ENSG00000109016
##	0	0	0	23124	1099

##	ENSG00000178307	ENSG00000274180	ENSG00000034152	ENSG00000184185	ENSG00000212719
##	2059	1419	11359	56	2889
##	ENSG00000260458	ENSG00000256618	ENSG00000109046	ENSG00000141068	ENSG00000266728
##	0	6	5785	3341	0
##	ENSG00000168961	ENSG00000007171	ENSG00000266202	ENSG00000232859	ENSG00000087095
##	310	0	0	92	2374
##	ENSG00000109084	ENSG00000109083	ENSG00000109079	ENSG00000004142	ENSG00000244045
##	1302	2391	11971	9653	850
##	ENSG00000274529	ENSG00000273171	ENSG00000004139	ENSG00000109072	ENSG00000076351
##	0	0	993	42	326
##	ENSG00000258472	ENSG00000007216	ENSG00000109101	ENSG00000109103	ENSG00000087111
##	63	0	0	1719	9499
##	ENSG00000109107	ENSG00000076382	ENSG00000167524	ENSG00000007202	ENSG00000132581
##	765	2372	72	21950	5008
##	ENSG00000109111	ENSG00000167525	ENSG00000109113	ENSG00000198242	ENSG00000160606
##	25626	78	16146	12125	258
##	ENSG00000160602	ENSG00000076604	ENSG00000173065	ENSG00000132591	ENSG00000132589
##	198	7882	4701	3319	6846
##	ENSG00000167536	ENSG00000109118	ENSG00000179761	ENSG00000063015	ENSG00000196535
##	97	3467	12	6	5981
##	ENSG00000221995	ENSG00000108255	ENSG00000108256	ENSG00000160551	ENSG00000168792
##	65	1	13027	17010	1222
##	ENSG00000167543	ENSG00000108262	ENSG00000198720	ENSG00000167549	ENSG00000141298
##	3057	5107	763	141	2406
##	ENSG00000176927	ENSG00000126653	ENSG00000108576	ENSG00000108578	ENSG00000182271
##	30	3566	12	3578	0
##	ENSG00000108582	ENSG00000108587	ENSG00000266733	ENSG00000176390	ENSG00000176208
##	25140	4922	0	1144	340
##	ENSG00000172171	ENSG00000184060	ENSG00000181481	ENSG00000196712	ENSG00000126861
##	416	192	1154	12220	8
##	ENSG00000185862	ENSG00000265118	ENSG00000126860	ENSG00000131242	ENSG00000172301
##	15	0	25	83	3843
##	ENSG00000108651	ENSG00000178691	ENSG00000185158	ENSG00000126858	ENSG00000141314
##	4217	4215	293	2282	40
##	ENSG00000108666	ENSG00000010244	ENSG00000108671	ENSG00000176749	ENSG00000176658
##	1211	9775	8951	262	573
##	ENSG00000006042	ENSG00000141316	ENSG00000108684	ENSG00000108691	ENSG00000108688
##	7931	0	31	5349	116
##	ENSG00000172156	ENSG00000108700	ENSG00000181374	ENSG00000108702	ENSG00000181291
##	2	0	1	0	6
##	ENSG00000132141	ENSG00000198783	ENSG00000005156	ENSG00000092871	ENSG00000267618
##	114	1028	2539	851	0
##	ENSG00000185379	ENSG00000073598	ENSG00000073536	ENSG00000141161	ENSG00000164729
##	948	12	1417	0	0
##	ENSG00000166750	ENSG00000172716	ENSG00000172123	ENSG00000154760	ENSG00000205045
##	14849	2462	1952	81	12
##	ENSG00000236320	ENSG00000108733	ENSG00000006125	ENSG00000270647	ENSG00000270885
##	0	509	32215	12043	1262
##	ENSG00000270765	ENSG00000271447	ENSG00000270806	ENSG00000270379	ENSG00000271503
##	0	21	1	1	0
##	ENSG00000278023	ENSG00000275722	ENSG00000275152	ENSG00000276409	ENSG00000275688
##	2	0	0	0	0
##	ENSG00000275718	ENSG00000274736	ENSG00000275385	ENSG00000277632	ENSG00000275302
##	0	0	0	0	0

##	ENSG00000274808	ENSG00000276085	ENSG00000276070	ENSG00000274933	ENSG00000260287
##	2	0	0	0	0
##	ENSG00000274226	ENSG00000275954	ENSG00000273611	ENSG00000278259	ENSG00000277161
##	0	0	1587	2519	1009
##	ENSG00000278311	ENSG00000278535	ENSG00000278619	ENSG00000273706	ENSG00000275700
##	6118	364	380	0	4046
##	ENSG00000278540	ENSG00000278505	ENSG00000276234	ENSG00000276023	ENSG00000275066
##	6688	2	1230	5731	5462
##	ENSG00000278053	ENSG00000275410	ENSG00000273513	ENSG00000274419	ENSG00000274512
##	4837	4	0	0	3
##	ENSG00000278299	ENSG00000278599	ENSG00000274611	ENSG00000278845	ENSG00000277399
##	0	2	0	2796	3
##	ENSG00000274211	ENSG00000275832	ENSG00000277363	ENSG00000273604	ENSG00000275023
##	2806	18196	1	241	3485
##	ENSG00000279119	ENSG00000277972	ENSG00000277258	ENSG00000277791	ENSG00000276293
##	0	1305	3806	7129	12403
##	ENSG00000273559	ENSG00000275489	ENSG00000125691	ENSG00000002834	ENSG00000204952
##	1657	1	38072	62638	1
##	ENSG00000161381	ENSG00000141748	ENSG00000067191	ENSG00000108298	ENSG00000141750
##	36	0	396	53358	6
##	ENSG00000108306	ENSG00000125686	ENSG00000167258	ENSG00000171532	ENSG00000131771
##	2704	6729	9762	0	4
##	ENSG00000131748	ENSG00000173991	ENSG00000141744	ENSG00000161395	ENSG00000141736
##	4992	22	0	825	6710
##	ENSG00000141741	ENSG00000141738	ENSG00000161405	ENSG00000186075	ENSG00000073605
##	1993	2	1	0	445
##	ENSG00000172057	ENSG00000204913	ENSG00000167914	ENSG00000108344	ENSG00000108342
##	6760	0	3	15771	29
##	ENSG00000008838	ENSG00000126351	ENSG00000126368	ENSG00000188895	ENSG00000108349
##	5643	3835	1546	8344	7002
##	ENSG00000108352	ENSG00000171475	ENSG00000094804	ENSG00000131759	ENSG00000183153
##	237	5315	899	2975	22
##	ENSG00000131747	ENSG00000141753	ENSG00000131746	ENSG00000126353	ENSG00000073584
##	10186	222730	10	40	7150
##	ENSG00000264058	ENSG00000213424	ENSG00000167916	ENSG00000204897	ENSG00000186393
##	0	0	0	0	0
##	ENSG00000171446	ENSG00000173908	ENSG00000186395	ENSG00000167920	ENSG00000187242
##	0	0	3430	1219	8
##	ENSG00000171431	ENSG00000108244	ENSG00000196859	ENSG00000204889	ENSG00000212899
##	1	0	0	2	0
##	ENSG00000212900	ENSG00000212901	ENSG00000221852	ENSG00000204887	ENSG00000221880
##	0	0	1743	0	0
##	ENSG00000188581	ENSG00000212725	ENSG00000214518	ENSG00000212724	ENSG00000213417
##	11	0	2	834	4
##	ENSG00000240871	ENSG00000204880	ENSG00000241241	ENSG00000212722	ENSG00000212721
##	2	3	0	4	2
##	ENSG00000213416	ENSG00000198090	ENSG00000198271	ENSG00000171396	ENSG00000196156
##	52	0	0	0	0
##	ENSG00000244537	ENSG00000198443	ENSG00000239886	ENSG00000240542	ENSG00000198083
##	0	0	0	0	0
##	ENSG00000204873	ENSG00000187272	ENSG00000241595	ENSG00000212659	ENSG00000180386
##	0	0	0	0	0
##	ENSG00000212658	ENSG00000212657	ENSG00000186860	ENSG00000006059	ENSG00000131738
##	0	0	0	1	9

##	ENSG00000131737	ENSG00000094796	ENSG00000108417	ENSG00000171360	ENSG00000108759
##	117	0	1	0	1
##	ENSG00000197079	ENSG00000126337	ENSG00000171401	ENSG00000171346	ENSG00000171345
##	0	3	3	204	146
##	ENSG00000171403	ENSG00000186847	ENSG00000186832	ENSG00000128422	ENSG00000173812
##	0	1	0	76	36728
##	ENSG00000184502	ENSG00000173805	ENSG00000173801	ENSG00000141696	ENSG00000141756
##	1	130	17859	9609	57072
##	ENSG00000141698	ENSG00000161594	ENSG00000178502	ENSG00000131473	ENSG00000204815
##	3413	4	382	48034	40
##	ENSG00000173786	ENSG00000168259	ENSG00000168256	ENSG00000187595	ENSG00000108771
##	10451	6005	7907	5	69
##	ENSG00000108773	ENSG00000267261	ENSG00000260325	ENSG00000108774	ENSG00000089558
##	2040	0	15	6791	8
##	ENSG00000161610	ENSG00000167925	ENSG00000173757	ENSG00000126561	ENSG00000168610
##	1	783	3169	455	22069
##	ENSG00000177469	ENSG00000033627	ENSG00000108784	ENSG00000108786	ENSG00000068120
##	138067	6187	3979	335	4569
##	ENSG00000108788	ENSG00000131470	ENSG00000141699	ENSG00000131462	ENSG00000037042
##	4297	420	6479	3163	692
##	ENSG00000068137	ENSG00000184451	ENSG00000108797	ENSG00000108799	ENSG00000131477
##	1661	37	7642	1979	29
##	ENSG00000131475	ENSG00000126562	ENSG00000183978	ENSG00000176563	ENSG00000126581
##	3904	1237	1594	32	5836
##	ENSG00000131467	ENSG00000131480	ENSG00000131471	ENSG00000131482	ENSG00000108825
##	13576	154	17	0	3
##	ENSG00000266967	ENSG00000267060	ENSG00000198863	ENSG00000281079	ENSG00000131469
##	40	46	1590	2	30888
##	ENSG00000068079	ENSG00000108828	ENSG00000108830	ENSG00000012048	ENSG00000188554
##	364	38912	101	991	18488
##	ENSG00000184988	ENSG00000175906	ENSG00000067596	ENSG00000175832	ENSG00000005102
##	842	806	5714	2885	9
##	ENSG00000167941	ENSG00000108861	ENSG00000231256	ENSG00000161647	ENSG00000161649
##	0	12920	6	370	1
##	ENSG00000108852	ENSG00000108849	ENSG00000131096	ENSG00000161653	ENSG00000091947
##	375	0	4	83	2256
##	ENSG00000161654	ENSG00000141349	ENSG00000108840	ENSG00000125319	ENSG00000161664
##	2345	8280	8009	275	125
##	ENSG00000168591	ENSG00000087152	ENSG00000108312	ENSG00000004939	ENSG00000108309
##	3218	10810	7777	0	20
##	ENSG00000013306	ENSG00000030582	ENSG00000161682	ENSG00000005961	ENSG00000186566
##	6439	27039	2686	11	6121
##	ENSG00000180340	ENSG00000180336	ENSG00000180329	ENSG00000161692	ENSG00000073670
##	5244	111	2132	642	83
##	ENSG00000182963	ENSG00000131097	ENSG00000108883	ENSG00000167131	ENSG00000214447
##	5207	6	11922	0	0
##	ENSG00000131095	ENSG00000186185	ENSG00000131094	ENSG00000172992	ENSG00000136448
##	4	887	52	1891	12980
##	ENSG00000161714	ENSG00000181513	ENSG00000186834	ENSG00000168517	ENSG00000184922
##	4728	182	4302	62	455
##	ENSG00000184361	ENSG00000006062	ENSG00000159314	ENSG00000225190	ENSG00000120088
##	3	557	101	3761	0
##	ENSG00000185294	ENSG00000186868	ENSG00000256762	ENSG00000120071	ENSG00000228696
##	0	40	0	3374	41

##	ENSG00000176681	ENSG00000238083	ENSG00000185829	ENSG00000073969	ENSG00000108379
##	89	210	86	6160	141
##	ENSG00000158955	ENSG00000108433	ENSG00000262633	ENSG00000179673	ENSG00000004897
##	0	2313	0	1	11702
##	ENSG00000198336	ENSG00000259207	ENSG00000259753	ENSG00000178852	ENSG00000141279
##	4	2053	0	99	13088
##	ENSG00000108424	ENSG00000198933	ENSG00000073861	ENSG00000006025	ENSG00000159111
##	36524	1395	2	325	2950
##	ENSG00000141294	ENSG00000141295	ENSG00000189120	ENSG00000167182	ENSG00000108439
##	67	706	23	1589	916
##	ENSG00000167183	ENSG00000108465	ENSG00000005243	ENSG00000082641	ENSG00000108468
##	7	2578	3114	35762	8252
##	ENSG00000002919	ENSG00000141293	ENSG00000120094	ENSG00000173917	ENSG00000120093
##	2638	0	0	3917	4004
##	ENSG00000182742	ENSG00000120075	ENSG00000108511	ENSG00000260027	ENSG00000120068
##	1138	3892	2409	1328	423
##	ENSG00000170689	ENSG00000159182	ENSG00000229637	ENSG00000159184	ENSG00000170703
##	14	0	0	0	1
##	ENSG00000136436	ENSG00000159199	ENSG00000159202	ENSG00000159210	ENSG00000159224
##	5610	3357	19158	4950	10
##	ENSG00000159217	ENSG00000167080	ENSG00000167083	ENSG00000108798	ENSG00000173868
##	10055	34	4	38	65
##	ENSG00000198740	ENSG00000167085	ENSG00000281126	ENSG00000064300	ENSG00000182575
##	1175	7005	5	32	16
##	ENSG00000121067	ENSG00000121073	ENSG00000121104	ENSG00000136504	ENSG00000176358
##	3935	4985	252	3429	5
##	ENSG00000108813	ENSG00000064195	ENSG00000005884	ENSG00000005882	ENSG00000167100
##	1	2	42521	2032	3529
##	ENSG00000108819	ENSG00000108823	ENSG00000108821	ENSG00000167105	ENSG00000015532
##	12099	20	2406759	132	8687
##	ENSG00000108826	ENSG00000154920	ENSG00000108829	ENSG00000167107	ENSG00000136457
##	3055	187	22854	966	9
##	ENSG00000136444	ENSG00000136449	ENSG00000049283	ENSG00000006282	ENSG00000006283
##	2377	14	1	3134	50
##	ENSG00000108846	ENSG00000154945	ENSG00000108848	ENSG00000173714	ENSG00000141232
##	1322	4657	7076	0	2151
##	ENSG00000008294	ENSG00000239672	ENSG00000011052	ENSG00000243678	ENSG00000011258
##	11504	3507	6	242	946
##	ENSG00000011260	ENSG00000154975	ENSG00000141200	ENSG00000141198	ENSG00000166260
##	3324	0	0	468	2972
##	ENSG00000166263	ENSG00000108924	ENSG00000108960	ENSG00000166292	ENSG00000141179
##	1257	0	2130	49	925
##	ENSG00000153930	ENSG00000183691	ENSG00000214226	ENSG00000153933	ENSG00000121060
##	1	443	191	835	4956
##	ENSG00000121058	ENSG00000121064	ENSG00000121057	ENSG00000153944	ENSG00000166329
##	1684	3919	1162	3582	0
##	ENSG00000181610	ENSG00000180891	ENSG00000136451	ENSG00000266086	ENSG00000136450
##	3075	3838	4359	0	12954
##	ENSG00000264364	ENSG00000141194	ENSG00000255713	ENSG00000121053	ENSG00000011143
##	9410	0	0	1	429
##	ENSG00000167419	ENSG00000005381	ENSG00000005379	ENSG00000213246	ENSG00000108375
##	2	1	36	3595	0
##	ENSG00000176160	ENSG00000108389	ENSG00000108387	ENSG00000181013	ENSG00000121101
##	0	3063	6	0	5

##	ENSG00000108384	ENSG00000175175	ENSG00000108395	ENSG00000182628	ENSG00000068489
##	986	26	4451	2969	3072
##	ENSG00000265303	ENSG00000167447	ENSG00000153982	ENSG00000175155	ENSG00000108406
##	0	2132	306	1141	3647
##	ENSG00000141367	ENSG00000141378	ENSG00000062716	ENSG00000108423	ENSG00000108443
##	96288	1748	14188	269	3101
##	ENSG00000267318	ENSG00000189050	ENSG00000068097	ENSG00000280852	ENSG00000167434
##	0	736	1864	108	2
##	ENSG00000170832	ENSG00000141371	ENSG00000062725	ENSG00000170836	ENSG00000281267
##	5753	0	5471	1860	3
##	ENSG00000141376	ENSG00000121068	ENSG00000121075	ENSG00000253506	ENSG00000136492
##	1897	28614	5	23	947
##	ENSG00000108506	ENSG00000108510	ENSG00000270033	ENSG00000172421	ENSG00000087995
##	1233	9202	0	0	1396
##	ENSG00000146872	ENSG00000011028	ENSG00000173838	ENSG00000170921	ENSG00000008283
##	5041	70244	17	7714	1007
##	ENSG00000159640	ENSG00000264813	ENSG00000173826	ENSG00000136485	ENSG00000136463
##	342	0	159	22562	1531
##	ENSG00000198909	ENSG00000136490	ENSG00000266173	ENSG00000125695	ENSG00000108588
##	4594	1049	340	0	9819
##	ENSG00000198231	ENSG00000108592	ENSG00000087191	ENSG00000108604	ENSG00000213218
##	12027	7880	9365	5449	0
##	ENSG00000136487	ENSG00000136488	ENSG00000204414	ENSG00000259384	ENSG00000007312
##	0	0	0	0	1
##	ENSG00000007314	ENSG00000224383	ENSG00000108622	ENSG00000178607	ENSG00000136478
##	1	16	9	1607	4679
##	ENSG00000261371	ENSG00000271605	ENSG00000256525	ENSG00000108654	ENSG00000258890
##	7	12	376	48814	1113
##	ENSG00000108854	ENSG00000176809	ENSG00000120063	ENSG00000108370	ENSG00000168646
##	36850	349	9723	141	65
##	ENSG00000266076	ENSG00000154240	ENSG00000091583	ENSG00000154229	ENSG00000075429
##	0	717	1	14396	0
##	ENSG00000075461	ENSG00000108878	ENSG00000198265	ENSG00000197170	ENSG00000154217
##	40	0	4160	8120	2754
##	ENSG00000130935	ENSG00000171634	ENSG00000186665	ENSG00000182481	ENSG00000196704
##	4020	9225	606	15220	4738
##	ENSG00000141337	ENSG00000108932	ENSG00000070540	ENSG00000108946	ENSG00000108950
##	1075	3807	5117	19804	7
##	ENSG00000141338	ENSG00000154258	ENSG00000154262	ENSG00000154263	ENSG00000154265
##	391	8	41	16	152
##	ENSG00000108984	ENSG00000153822	ENSG00000123700	ENSG00000125398	ENSG00000133195
##	64	0	1382	9813	1355
##	ENSG00000180616	ENSG00000166685	ENSG00000133193	ENSG00000141219	ENSG00000187959
##	31	3562	1713	1779	0
##	ENSG00000179604	ENSG00000069188	ENSG00000172809	ENSG00000141540	ENSG00000171595
##	3049	27	15151	98	0
##	ENSG00000196169	ENSG00000204347	ENSG00000257008	ENSG00000170412	ENSG00000167851
##	0	1	1	17	0
##	ENSG00000178789	ENSG00000167850	ENSG00000204345	ENSG00000186407	ENSG00000172794
##	2	1	0	1	6
##	ENSG00000186074	ENSG00000109062	ENSG00000109065	ENSG00000109066	ENSG00000161509
##	0	1068	3054	5882	12
##	ENSG00000161513	ENSG00000172782	ENSG00000182040	ENSG00000183034	ENSG00000281273
##	2244	0	1	0	0

##	ENSG00000182938	ENSG00000167861	ENSG00000109089	ENSG00000167862	ENSG00000180901
##	0	76	6389	1319	3984
##	ENSG00000281674	ENSG00000167863	ENSG00000170190	ENSG00000125449	ENSG00000125458
##	0	8107	177	854	754
##	ENSG00000189159	ENSG00000188612	ENSG00000125450	ENSG00000125447	ENSG00000125445
##	10422	12923	2104	2493	3434
##	ENSG00000125457	ENSG00000125454	ENSG00000177885	ENSG00000177728	ENSG00000177303
##	316	289	15693	4928	1999
##	ENSG00000182173	ENSG00000073350	ENSG00000266714	ENSG00000108469	ENSG00000204323
##	769	34	32	1122	14
##	ENSG00000259120	ENSG00000161526	ENSG00000132470	ENSG00000108479	ENSG00000132475
##	1	4612	13	1297	36203
##	ENSG00000132478	ENSG00000092929	ENSG00000132471	ENSG00000132481	ENSG00000141569
##	1618	26	9893	389	2154
##	ENSG00000204316	ENSG00000267426	ENSG00000188878	ENSG00000281844	ENSG00000161533
##	91	5	145	0	4276
##	ENSG00000257949	ENSG00000261408	ENSG00000250506	ENSG00000167880	ENSG00000167881
##	1	20	11	1	8947
##	ENSG00000186919	ENSG00000182687	ENSG00000182473	ENSG00000129654	ENSG00000141576
##	35	36	10118	0	394
##	ENSG00000185262	ENSG00000129646	ENSG00000161542	ENSG00000176170	ENSG00000175931
##	2181	322	2581	4475	4131
##	ENSG00000129673	ENSG00000129667	ENSG00000161544	ENSG00000214140	ENSG00000070731
##	3	733	1662	39	22
##	ENSG00000070526	ENSG00000182534	ENSG00000070495	ENSG00000181038	ENSG00000267168
##	0	19813	3377	1121	0
##	ENSG00000161547	ENSG00000092931	ENSG00000167889	ENSG00000129657	ENSG00000184640
##	7441	2226	287	13714	62277
##	ENSG00000278938	ENSG00000078687	ENSG00000141524	ENSG00000167895	ENSG00000187997
##	0	1924	20	0	0
##	ENSG00000108639	ENSG00000167900	ENSG00000183077	ENSG00000089685	ENSG00000204278
##	4389	3144	774	2979	0
##	ENSG00000184557	ENSG00000087157	ENSG00000187775	ENSG00000108669	ENSG00000055483
##	3585	2442	82	2087	6207
##	ENSG00000035862	ENSG00000178404	ENSG00000108679	ENSG00000171302	ENSG00000173918
##	85534	33	17757	10746	1692
##	ENSG00000167280	ENSG00000167281	ENSG00000182156	ENSG00000173894	ENSG00000141570
##	1176	4	0	495	519
##	ENSG00000141582	ENSG00000167291	ENSG00000141519	ENSG00000171298	ENSG00000141543
##	2024	15407	373	5599	6007
##	ENSG00000141527	ENSG00000181523	ENSG00000181045	ENSG00000173821	ENSG00000173818
##	16	6320	3173	14272	1292
##	ENSG00000171246	ENSG00000141564	ENSG00000176108	ENSG00000175866	ENSG00000181409
##	71219	7152	1940	2642	24
##	ENSG00000141577	ENSG00000167302	ENSG00000224877	ENSG00000157637	ENSG00000185332
##	1295	495	2492	12296	1
##	ENSG00000266074	ENSG00000184009	ENSG00000186765	ENSG00000185504	ENSG00000182446
##	2073	475235	68	4267	17719
##	ENSG00000182612	ENSG00000185527	ENSG00000204237	ENSG00000185298	ENSG00000214087
##	388	19	781	3234	2766
##	ENSG00000185359	ENSG00000262814	ENSG00000262660	ENSG00000183048	ENSG00000215644
##	9470	1029	0	210	0
##	ENSG00000225663	ENSG00000182676	ENSG00000185624	ENSG00000141522	ENSG00000183684
##	8614	2	113200	28250	4929

##	ENSG00000141552	ENSG00000183979	ENSG00000185813	ENSG00000187531	ENSG00000197063
##	3916	0	4448	1184	8324
##	ENSG00000183010	ENSG00000185105	ENSG00000185269	ENSG00000169696	ENSG00000169689
##	7184	15	23	1713	1921
##	ENSG00000169683	ENSG00000169750	ENSG00000169738	ENSG00000169733	ENSG00000169727
##	949	930	1805	2795	9563
##	ENSG00000169718	ENSG00000169710	ENSG00000176155	ENSG00000141526	ENSG00000141551
##	4670	29589	1572	33810	12046
##	ENSG00000173762	ENSG00000141574	ENSG00000182459	ENSG00000181408	ENSG00000181396
##	7	172	1	0	3111
##	ENSG00000169660	ENSG00000178927	ENSG00000141562	ENSG00000141568	ENSG00000141580
##	510	4186	4815	5265	9589
##	ENSG00000141542	ENSG00000141560	ENSG00000280575	ENSG00000167363	ENSG00000141556
##	1302	1496	0	331	7083
##	ENSG00000141579	ENSG00000175711	ENSG00000176845	ENSG00000173213	ENSG00000101557
##	1	346	4375	7	10694
##	ENSG00000079134	ENSG00000158270	ENSG00000177143	ENSG00000079101	ENSG00000176890
##	880	534	0	1	1896
##	ENSG00000132199	ENSG00000176105	ENSG00000141433	ENSG00000101574	ENSG00000080986
##	623	7989	0	996	864
##	ENSG00000101596	ENSG00000132205	ENSG00000101577	ENSG00000101605	ENSG00000101608
##	11970	77	9076	11	27781
##	ENSG00000118680	ENSG00000177426	ENSG00000170579	ENSG00000231824	ENSG00000198081
##	32625	4645	19	0	710
##	ENSG00000082397	ENSG00000206432	ENSG00000154655	ENSG00000088756	ENSG00000101680
##	3865	1472	4	1397	9072
##	ENSG00000206422	ENSG00000173482	ENSG00000206418	ENSG00000168502	ENSG00000178127
##	0	5640	3491	7185	54
##	ENSG00000101745	ENSG00000128791	ENSG00000017797	ENSG00000154845	ENSG00000168461
##	5710	20431	12660	8596	5965
##	ENSG00000168454	ENSG00000101558	ENSG00000154856	ENSG00000134265	ENSG00000154864
##	3	11748	194	2219	8676
##	ENSG00000141404	ENSG00000255112	ENSG00000154889	ENSG00000141401	ENSG00000181626
##	71	5055	814	403	0
##	ENSG00000176194	ENSG00000176014	ENSG00000141385	ENSG00000141391	ENSG00000134278
##	0	30018	4357	183	4487
##	ENSG00000128789	ENSG00000101624	ENSG00000175354	ENSG00000085415	ENSG00000101639
##	2871	577	1369	2830	2076
##	ENSG00000168675	ENSG00000177150	ENSG00000101654	ENSG00000176136	ENSG00000185231
##	14	1487	5081	0	1
##	ENSG00000175322	ENSG00000183206	ENSG00000180777	ENSG00000278923	ENSG00000067900
##	112	0	0	0	13041
##	ENSG00000141449	ENSG00000141446	ENSG00000167088	ENSG00000158201	ENSG00000101752
##	8	1313	4047	443	12124
##	ENSG00000141448	ENSG00000212710	ENSG00000101773	ENSG00000134508	ENSG00000134490
##	864	6	1800	3997	1119
##	ENSG00000101782	ENSG00000141452	ENSG00000141458	ENSG00000154065	ENSG00000053747
##	7162	1737	10762	148	354
##	ENSG00000168234	ENSG00000154040	ENSG00000141447	ENSG00000154059	ENSG00000134489
##	1334	256	5735	3065	4
##	ENSG00000198795	ENSG00000141380	ENSG00000154611	ENSG00000141384	ENSG00000134504
##	4194	10891	0	167	622
##	ENSG00000171885	ENSG00000154080	ENSG00000170558	ENSG00000134762	ENSG00000134755
##	0	0	15970	23	1

##	ENSG00000134765	ENSG00000134760	ENSG00000175065	ENSG00000134757	ENSG00000046604
##	0	0	0	0	609
##	ENSG00000118271	ENSG00000118276	ENSG00000141437	ENSG00000153339	ENSG00000101695
##	0	263	2	4709	73
##	ENSG00000134758	ENSG00000141441	ENSG00000141434	ENSG00000197705	ENSG00000166960
##	955	1192	2	0	13
##	ENSG00000141431	ENSG00000101746	ENSG00000134769	ENSG00000166974	ENSG00000186812
##	119	1	1158	3533	1513
##	ENSG00000186814	ENSG00000172466	ENSG00000186496	ENSG00000267140	ENSG00000153391
##	1498	9072	43	0	582
##	ENSG00000141429	ENSG00000141428	ENSG00000141425	ENSG00000141424	ENSG00000134759
##	22534	817	6570	19780	9274
##	ENSG00000075643	ENSG00000134775	ENSG00000134779	ENSG00000150477	ENSG00000101489
##	342	1113	9364	302	1
##	ENSG00000078142	ENSG00000152214	ENSG00000132872	ENSG00000152217	ENSG00000132874
##	5042	0	0	126	5
##	ENSG00000141469	ENSG00000197046	ENSG00000152223	ENSG00000152229	ENSG00000152234
##	3038	261	15863	2391	43629
##	ENSG00000152240	ENSG00000152242	ENSG00000141622	ENSG00000167210	ENSG00000101638
##	1361	3476	5	0	23
##	ENSG00000078043	ENSG00000167216	ENSG00000274744	ENSG00000275553	ENSG00000278674
##	2180	121	0	0	0
##	ENSG00000183791	ENSG00000206181	ENSG00000167220	ENSG00000267228	ENSG00000134049
##	0	1	1276	0	3937
##	ENSG00000215474	ENSG00000175387	ENSG00000184828	ENSG00000134030	ENSG00000101665
##	0	6320	0	7873	3151
##	ENSG00000141627	ENSG00000177576	ENSG00000215472	ENSG00000265681	ENSG00000101670
##	3586	485	0	1169	210
##	ENSG00000167315	ENSG00000266997	ENSG00000167306	ENSG00000172361	ENSG00000141644
##	1941	0	14	29	5572
##	ENSG00000154832	ENSG00000154839	ENSG00000141639	ENSG00000134042	ENSG00000082212
##	3172	515	0	0	3104
##	ENSG00000141642	ENSG00000267699	ENSG00000141646	ENSG00000176624	ENSG00000187323
##	316	1	4311	5067	544
##	ENSG00000280098	ENSG00000134046	ENSG00000101751	ENSG00000174448	ENSG00000166845
##	0	3651	1066	3	729
##	ENSG00000178690	ENSG00000041353	ENSG00000166510	ENSG00000196628	ENSG00000091164
##	0	1366	3613	5728	5628
##	ENSG00000091157	ENSG00000228075	ENSG00000177511	ENSG00000119547	ENSG00000066926
##	2477	0	0	12	2569
##	ENSG00000134440	ENSG00000081923	ENSG00000049759	ENSG00000198796	ENSG00000172175
##	18485	9034	1191	3936	2602
##	ENSG00000074657	ENSG00000166562	ENSG00000134443	ENSG00000134438	ENSG00000166569
##	7564	1347	0	0	0
##	ENSG00000074695	ENSG00000183287	ENSG00000141682	ENSG00000166603	ENSG00000101542
##	32710	3501	6688	3	27
##	ENSG00000176641	ENSG00000197563	ENSG00000134444	ENSG00000141655	ENSG00000141664
##	4646	3077	3794	1	633
##	ENSG00000081913	ENSG00000171791	ENSG00000119537	ENSG00000119541	ENSG00000206075
##	1151	122	10514	7038	0
##	ENSG00000166634	ENSG00000197641	ENSG00000206073	ENSG00000057149	ENSG00000206072
##	0	0	0	0	0
##	ENSG00000166396	ENSG00000197632	ENSG00000242550	ENSG00000221887	ENSG00000166401
##	1835	1419	2	16	3824

##	ENSG00000081138	ENSG00000071991	ENSG000000171451	ENSG000000166479	ENSG000000150636
##	0	0	10930	16026	2183
##	ENSG000000206052	ENSG000000150637	ENSG000000176225	ENSG000000170677	ENSG000000141668
##	1052	43	1817	5238	286
##	ENSG000000166342	ENSG000000141665	ENSG000000075336	ENSG000000166347	ENSG000000206043
##	172	53	1807	1434	0
##	ENSG000000187773	ENSG000000133313	ENSG000000150656	ENSG000000215421	ENSG000000180011
##	0	6567	5	2176	2922
##	ENSG000000179981	ENSG000000206026	ENSG000000101493	ENSG000000130856	ENSG000000197971
##	1788	0	5760	1032	188
##	ENSG000000166573	ENSG000000256463	ENSG000000166377	ENSG000000131196	ENSG000000060069
##	1	1	1471	600	3523
##	ENSG000000178342	ENSG000000122490	ENSG000000226742	ENSG000000141759	ENSG000000267127
##	45	5419	1297	5945	12
##	ENSG000000101546	ENSG000000101544	ENSG000000178184	ENSG000000178591	ENSG000000125788
##	684	2577	2090	0	0
##	ENSG000000088782	ENSG000000185982	ENSG000000125903	ENSG000000186458	ENSG000000196476
##	0	0	0	0	528
##	ENSG000000247315	ENSG000000177732	ENSG000000125841	ENSG000000101255	ENSG000000125826
##	3388	3679	3949	2746	7556
##	ENSG000000125875	ENSG000000101266	ENSG000000125878	ENSG000000271303	ENSG000000270299
##	8536	12976	0	291	8
##	ENSG000000215397	ENSG000000101276	ENSG000000125898	ENSG000000101280	ENSG000000101282
##	0	0	289	4	0
##	ENSG000000125818	ENSG000000125895	ENSG000000215595	ENSG000000244588	ENSG000000101298
##	8151	0	0	10	2119
##	ENSG000000125775	ENSG000000274322	ENSG000000088832	ENSG000000088833	ENSG000000196209
##	54	2	24787	6103	0
##	ENSG000000125900	ENSG000000260861	ENSG000000101307	ENSG000000089012	ENSG000000198053
##	0	0	184	0	10927
##	ENSG000000101327	ENSG000000125834	ENSG000000125780	ENSG000000166948	ENSG000000125835
##	0	4408	0	0	6931
##	ENSG000000256566	ENSG000000088876	ENSG000000149488	ENSG000000101361	ENSG000000101365
##	2	854	2	9045	4658
##	ENSG000000088881	ENSG000000088882	ENSG000000241690	ENSG000000258713	ENSG000000198326
##	82	337	0	2	1
##	ENSG000000132635	ENSG000000215305	ENSG000000132670	ENSG000000125787	ENSG000000125901
##	1161	2595	6818	3	1817
##	ENSG000000101405	ENSG000000101200	ENSG000000185019	ENSG000000215251	ENSG000000088899
##	0	0	905	2336	716
##	ENSG000000198171	ENSG000000125877	ENSG000000088836	ENSG000000088854	ENSG000000088812
##	3432	3545	461	5294	10429
##	ENSG000000125861	ENSG000000149451	ENSG000000088827	ENSG000000132622	ENSG000000101220
##	0	64	1	16	3144
##	ENSG000000101222	ENSG000000125817	ENSG000000101224	ENSG000000125843	ENSG000000088888
##	6	11769	6881	1528	14475
##	ENSG000000125779	ENSG000000101236	ENSG000000088826	ENSG000000171873	ENSG000000171867
##	3622	10063	4546	54	17994
##	ENSG000000171864	ENSG000000180259	ENSG000000101265	ENSG000000089057	ENSG000000089063
##	0	0	1115	5198	8840
##	ENSG000000132646	ENSG000000101290	ENSG000000101292	ENSG000000125772	ENSG000000171984
##	7777	11016	0	3045	169
##	ENSG000000089199	ENSG000000089195	ENSG000000125885	ENSG000000088766	ENSG000000125872
##	76	1706	1315	3422	14

##	ENSG00000101311	ENSG00000125845	ENSG00000101323	ENSG00000125827	ENSG00000182621
##	413	7586	0	4678	3535
##	ENSG00000101333	ENSG00000125869	ENSG00000101349	ENSG00000132623	ENSG00000132639
##	6189	3	0	127	146
##	ENSG00000125863	ENSG00000149346	ENSG00000101384	ENSG00000132640	ENSG00000172296
##	2767	565	5215	8201	81
##	ENSG00000101230	ENSG00000089123	ENSG00000089048	ENSG00000101247	ENSG00000101251
##	16	371	2121	811	0
##	ENSG00000172264	ENSG00000125848	ENSG00000089177	ENSG00000280240	ENSG00000125870
##	1	1252	1587	0	4907
##	ENSG00000125879	ENSG00000125851	ENSG00000125864	ENSG00000125868	ENSG00000125844
##	0	0	283	38852	72692
##	ENSG00000125888	ENSG00000089006	ENSG00000125850	ENSG00000125871	ENSG00000232838
##	0	4717	0	1664	173
##	ENSG00000149474	ENSG00000125846	ENSG00000089091	ENSG00000132664	ENSG00000089050
##	1123	954	206	1404	1928
##	ENSG00000101310	ENSG00000232388	ENSG00000125821	ENSG00000132631	ENSG00000185052
##	6429	853	3620	0	3
##	ENSG00000132669	ENSG00000173418	ENSG00000101343	ENSG00000089101	ENSG00000173404
##	11020	3676	3567	8	5
##	ENSG00000188559	ENSG00000088970	ENSG00000088930	ENSG00000125816	ENSG00000125820
##	904	821	13696	0	0
##	ENSG00000125813	ENSG00000125798	ENSG00000132671	ENSG00000178726	ENSG00000125810
##	0	0	0	47	3
##	ENSG00000132661	ENSG00000125812	ENSG00000125814	ENSG00000125823	ENSG00000125831
##	805	1806	983	0	0
##	ENSG00000125815	ENSG00000101435	ENSG00000173335	ENSG00000101439	ENSG00000101441
##	0	0	0	12520	1
##	ENSG00000170373	ENSG00000170369	ENSG00000170367	ENSG00000149435	ENSG00000101463
##	2	0	0	1	2
##	ENSG00000077984	ENSG00000101474	ENSG00000154930	ENSG00000100987	ENSG00000197586
##	1	15647	121	0	5064
##	ENSG00000100994	ENSG00000100997	ENSG00000101003	ENSG00000101004	ENSG00000170191
##	27098	10635	496	1234	1345
##	ENSG00000130684	ENSG00000175170	ENSG00000149531	ENSG00000215547	ENSG00000215545
##	150	0	1177	0	0
##	ENSG00000131068	ENSG00000180483	ENSG00000204548	ENSG00000180424	ENSG00000180383
##	0	0	0	0	0
##	ENSG00000088320	ENSG00000101294	ENSG00000125968	ENSG00000131055	ENSG00000171552
##	0	24410	5082	0	7816
##	ENSG00000088325	ENSG00000101306	ENSG00000179772	ENSG00000149599	ENSG00000131044
##	6152	10	3	3	2
##	ENSG00000088356	ENSG00000260903	ENSG00000101331	ENSG00000101336	ENSG00000101337
##	1832	1	0	0	9004
##	ENSG00000126003	ENSG00000101346	ENSG00000101350	ENSG00000171456	ENSG00000197183
##	2720	11630	12151	6949	2989
##	ENSG00000149600	ENSG00000088305	ENSG00000101367	ENSG00000215529	ENSG00000167098
##	4887	297	17197	3	0
##	ENSG00000078898	ENSG00000167104	ENSG00000186190	ENSG00000186191	ENSG00000131050
##	0	0	0	0	0
##	ENSG00000131059	ENSG00000198183	ENSG00000125999	ENSG00000101391	ENSG00000101400
##	0	0	0	1320	1085
##	ENSG00000078699	ENSG00000125967	ENSG00000149609	ENSG00000182584	ENSG00000101412
##	3193	1057	21	65	749

##	ENSG00000101417	ENSG00000131061	ENSG00000101421	ENSG00000125970	ENSG00000125977
##	600	509	10538	13428	13148
##	ENSG00000101440	ENSG00000101444	ENSG00000078747	ENSG00000125971	ENSG00000101460
##	4	7455	9698	8931	1943
##	ENSG00000101464	ENSG00000198646	ENSG00000078804	ENSG00000131067	ENSG00000131069
##	1951	4476	7781	2535	2632
##	ENSG00000100983	ENSG00000078814	ENSG00000100991	ENSG00000088298	ENSG00000101000
##	4328	57	14464	3553	2692
##	ENSG00000125966	ENSG00000242372	ENSG00000125998	ENSG00000101019	ENSG00000204183
##	222	7165	2	3276	9
##	ENSG00000125965	ENSG00000126001	ENSG00000125975	ENSG00000125991	ENSG00000061656
##	886	5814	0	18385	65
##	ENSG00000214078	ENSG00000272897	ENSG00000244462	ENSG00000244005	ENSG00000125995
##	7588	0	8215	1461	2196
##	ENSG00000131051	ENSG00000025293	ENSG00000171222	ENSG00000149646	ENSG00000088367
##	15416	6265	4042	0	5217
##	ENSG00000131043	ENSG00000080845	ENSG00000101335	ENSG00000118707	ENSG00000259399
##	3678	14785	71629	1006	0
##	ENSG00000101084	ENSG00000101082	ENSG00000101079	ENSG00000149636	ENSG00000149639
##	2586	2	3981	944	9903
##	ENSG00000101342	ENSG00000101347	ENSG00000080839	ENSG00000101353	ENSG00000118705
##	16	3093	727	47	41337
##	ENSG00000118702	ENSG00000101363	ENSG00000197122	ENSG00000166619	ENSG00000053438
##	0	4806	4590	6462	475
##	ENSG00000132792	ENSG00000132821	ENSG00000101407	ENSG00000101413	ENSG00000198959
##	3148	68	1759	1806	30172
##	ENSG00000149633	ENSG00000101425	ENSG00000129988	ENSG00000170471	ENSG00000182035
##	1447	16	4	9531	0
##	ENSG00000124143	ENSG00000101438	ENSG00000101442	ENSG00000101445	ENSG00000101447
##	0	0	464	0	1295
##	ENSG00000101452	ENSG00000204103	ENSG00000198900	ENSG00000124181	ENSG00000174306
##	786	56	25396	10876	7585
##	ENSG00000132793	ENSG00000183798	ENSG00000124177	ENSG00000196090	ENSG00000124193
##	208	9	6147	0	12826
##	ENSG00000185513	ENSG00000277611	ENSG00000101049	ENSG00000101052	ENSG00000101057
##	130	0	2	2733	1604
##	ENSG00000124196	ENSG00000124191	ENSG00000149596	ENSG00000132823	ENSG00000124194
##	0	3159	96	2222	6
##	ENSG00000197296	ENSG00000101074	ENSG00000101076	ENSG00000168746	ENSG00000124120
##	1933	0	0	0	4386
##	ENSG00000132824	ENSG00000168734	ENSG00000196839	ENSG00000064205	ENSG00000124249
##	31591	5790	490	8	0
##	ENSG00000101098	ENSG00000166913	ENSG00000101104	ENSG00000025772	ENSG00000101109
##	0	35624	725	8135	5443
##	ENSG00000124134	ENSG00000175121	ENSG00000168703	ENSG00000124102	ENSG00000124233
##	22	0	0	0	0
##	ENSG00000124157	ENSG00000124107	ENSG00000124159	ENSG00000124232	ENSG00000124145
##	0	0	5	3	19548
##	ENSG00000204070	ENSG00000254806	ENSG00000124251	ENSG00000244274	ENSG00000124155
##	3168	1	91	20	13154
##	ENSG00000101443	ENSG00000101446	ENSG00000243543	ENSG00000249139	ENSG00000101448
##	0	0	0	0	0
##	ENSG00000158901	ENSG00000180205	ENSG00000180305	ENSG00000180083	ENSG00000182931
##	0	0	0	0	1

##	ENSG00000168634	ENSG00000149651	ENSG00000124116	ENSG00000101457	ENSG00000175063
##	1	0	32	1673	1504
##	ENSG00000101470	ENSG00000124104	ENSG00000101473	ENSG00000132801	ENSG00000168612
##	8	1540	1501	302	974
##	ENSG00000149634	ENSG00000124257	ENSG00000064601	ENSG00000100979	ENSG00000100982
##	52	31	23419	4227	2000
##	ENSG00000198026	ENSG00000100985	ENSG00000124140	ENSG00000124160	ENSG00000101017
##	2156	19	21	3554	31
##	ENSG00000149654	ENSG00000080189	ENSG00000062598	ENSG00000198185	ENSG00000149635
##	0	4614	4378	230	0
##	ENSG00000158296	ENSG00000172315	ENSG00000197496	ENSG00000064655	ENSG00000101040
##	346	3501	6003	429	5807
##	ENSG00000124151	ENSG00000196562	ENSG00000124126	ENSG00000124198	ENSG00000124207
##	9465	1628	461	9612	9744
##	ENSG00000124214	ENSG00000124228	ENSG00000124201	ENSG00000158445	ENSG00000124212
##	14920	4211	13520	3	208
##	ENSG00000158470	ENSG00000197818	ENSG00000158480	ENSG00000124226	ENSG00000124216
##	6973	1941	1149	9625	2037
##	ENSG00000244687	ENSG00000124208	ENSG00000240849	ENSG00000172216	ENSG00000196396
##	189	0	5283	10368	13045
##	ENSG00000042062	ENSG00000124171	ENSG00000124243	ENSG00000101126	ENSG00000000419
##	3395	213	1998	8634	3176
##	ENSG00000124217	ENSG00000026559	ENSG00000101096	ENSG00000054793	ENSG00000101115
##	1259	3702	1251	11801	7
##	ENSG00000020256	ENSG00000182463	ENSG00000171940	ENSG00000064787	ENSG00000019186
##	1431	44	5171	0	0
##	ENSG00000101132	ENSG00000280041	ENSG00000101134	ENSG00000054803	ENSG00000124089
##	1826	0	331	0	0
##	ENSG00000124098	ENSG00000087586	ENSG00000101138	ENSG00000087589	ENSG00000022277
##	9553	3336	2700	1559	8614
##	ENSG00000124091	ENSG00000124103	ENSG00000213714	ENSG00000087510	ENSG00000101144
##	18	3	7	93	9
##	ENSG00000054796	ENSG00000101146	ENSG00000256222	ENSG00000132819	ENSG00000124092
##	0	3041	0	1063	0
##	ENSG00000124253	ENSG00000124256	ENSG00000124225	ENSG00000124237	ENSG00000124227
##	0	0	4049	0	0
##	ENSG00000124209	ENSG00000124164	ENSG00000198768	ENSG00000124222	ENSG00000254995
##	6489	6444	9223	5650	4
##	ENSG00000215440	ENSG00000087460	ENSG00000101158	ENSG00000101160	ENSG00000101162
##	270	95204	3676	6101	22
##	ENSG00000124172	ENSG00000101166	ENSG00000124203	ENSG00000124205	ENSG00000087495
##	11865	2767	0	0	3
##	ENSG00000196074	ENSG00000196227	ENSG00000132825	ENSG00000124215	ENSG00000179242
##	61	1741	673	12	1004
##	ENSG00000130699	ENSG00000149657	ENSG00000101182	ENSG00000184402	ENSG00000101181
##	1167	3272	17704	2475	2091
##	ENSG00000101180	ENSG00000130703	ENSG00000130706	ENSG00000130702	ENSG00000171858
##	1	4023	8413	7088	14028
##	ENSG00000149679	ENSG00000130701	ENSG00000130700	ENSG00000101187	ENSG00000101188
##	739	0	0	309	1875
##	ENSG00000101189	ENSG00000060491	ENSG00000092758	ENSG00000101190	ENSG00000101191
##	2600	4952	61	885	7772
##	ENSG00000101193	ENSG00000101194	ENSG00000125533	ENSG00000149658	ENSG00000101197
##	4124	674	0	5274	1

##	ENSG00000101198	ENSG00000101199	ENSG00000101203	ENSG00000101204	ENSG00000075043
##	4	13259	0	0	0
##	ENSG00000101210	ENSG00000125534	ENSG00000101213	ENSG00000125508	ENSG00000125531
##	756	11772	26	5	38
##	ENSG00000130589	ENSG00000101216	ENSG00000197457	ENSG00000258366	ENSG00000026036
##	3595	2143	3829	87	77
##	ENSG00000243509	ENSG00000101246	ENSG00000197114	ENSG00000273154	ENSG00000203896
##	0	3417	433	5	89
##	ENSG00000273047	ENSG00000125520	ENSG00000130584	ENSG00000183260	ENSG00000101150
##	0	5137	1619	0	25619
##	ENSG00000101152	ENSG00000198276	ENSG00000196700	ENSG00000130590	ENSG00000101161
##	19411	2360	6669	195	8840
##	ENSG00000203883	ENSG00000171703	ENSG00000171700	ENSG00000125510	ENSG00000171695
##	4	2041	1018	108	5
##	ENSG00000125522	ENSG00000196132	ENSG00000203880	ENSG00000176695	ENSG00000141934
##	0	0	2600	0	453
##	ENSG00000105556	ENSG00000105549	ENSG00000183186	ENSG00000129946	ENSG00000181781
##	3828	0	14	310	3
##	ENSG00000099866	ENSG00000141933	ENSG00000099804	ENSG00000197540	ENSG00000172270
##	42	617	6683	5	56088
##	ENSG00000099822	ENSG00000099821	ENSG00000070388	ENSG00000070423	ENSG00000070404
##	1093	3595	41	3595	7205
##	ENSG00000185198	ENSG00000099864	ENSG00000099812	ENSG00000011304	ENSG00000129951
##	1	3991	4	26147	578
##	ENSG00000172232	ENSG00000196415	ENSG00000197561	ENSG00000197766	ENSG00000175221
##	4	0	2	31	4207
##	ENSG00000198858	ENSG00000116014	ENSG00000116017	ENSG00000065268	ENSG00000116032
##	5375	0	7772	3013	247
##	ENSG00000182087	ENSG00000064666	ENSG00000064687	ENSG00000180448	ENSG00000099817
##	11561	33250	584	756	15207
##	ENSG00000167468	ENSG00000064932	ENSG00000118046	ENSG00000099625	ENSG00000099624
##	18732	7823	5933	1162	5696
##	ENSG00000167470	ENSG00000099622	ENSG00000228300	ENSG00000160953	ENSG00000099617
##	11231	7981	3264	3560	9
##	ENSG00000115286	ENSG00000130005	ENSG00000071626	ENSG00000115268	ENSG00000115266
##	1558	2568	10210	20290	502
##	ENSG00000119559	ENSG00000115257	ENSG00000115255	ENSG00000185761	ENSG00000185988
##	3214	59	244	812	4
##	ENSG00000181588	ENSG00000071655	ENSG00000267059	ENSG00000127540	ENSG00000071564
##	4709	6156	0	2030	11885
##	ENSG00000205922	ENSG00000130270	ENSG00000079313	ENSG00000129911	ENSG00000129968
##	0	303	3259	3104	5365
##	ENSG00000227500	ENSG00000213638	ENSG00000133275	ENSG00000133243	ENSG00000099875
##	8560	305	8675	8634	3582
##	ENSG00000172081	ENSG00000099840	ENSG00000065000	ENSG00000104885	ENSG00000104886
##	4509	36	23758	5181	4551
##	ENSG00000104897	ENSG00000104899	ENSG00000167476	ENSG00000104904	ENSG00000273734
##	3983	15	13	33456	0
##	ENSG00000188305	ENSG00000220008	ENSG00000130332	ENSG00000005206	ENSG00000178297
##	36	2	2743	2358	58
##	ENSG00000099800	ENSG00000176619	ENSG00000099860	ENSG00000176533	ENSG00000176490
##	4946	13432	1910	57	1607
##	ENSG00000267001	ENSG00000141873	ENSG00000104969	ENSG00000172009	ENSG00000172006
##	0	1962	8468	4613	293

##	ENSG00000186300	ENSG00000172000	ENSG00000171970	ENSG00000175691	ENSG00000104953
##	501	0	170	236	3
##	ENSG00000065717	ENSG00000104964	ENSG00000088256	ENSG00000060558	ENSG00000125910
##	49	18460	8274	6	0
##	ENSG00000125912	ENSG00000161082	ENSG00000141905	ENSG00000095932	ENSG00000129932
##	15865	18	17532	2	1618
##	ENSG00000105325	ENSG00000161091	ENSG00000183397	ENSG00000064961	ENSG00000179855
##	4954	6611	334	4987	22
##	ENSG00000006638	ENSG00000105298	ENSG00000186111	ENSG00000105289	ENSG00000011132
##	249	2075	16101	10	1172
##	ENSG00000183617	ENSG00000173976	ENSG00000007264	ENSG00000105278	ENSG00000167654
##	1865	0	0	8	116
##	ENSG00000077009	ENSG00000167657	ENSG00000167658	ENSG00000105229	ENSG00000178951
##	1	12254	274110	2972	6667
##	ENSG00000126934	ENSG00000060566	ENSG00000077463	ENSG00000089847	ENSG00000105246
##	16973	0	1234	44	61
##	ENSG00000105248	ENSG00000105251	ENSG00000167664	ENSG00000105255	ENSG00000178078
##	948	1	0	1042	36
##	ENSG00000008382	ENSG00000141985	ENSG00000167670	ENSG00000167671	ENSG00000167674
##	499	16291	1605	8797	8819
##	ENSG00000167676	ENSG00000214456	ENSG00000267385	ENSG00000171236	ENSG00000167680
##	56	0	0	0	54
##	ENSG00000185361	ENSG00000074842	ENSG00000142002	ENSG00000141965	ENSG00000127666
##	1039	17849	7722	575	1960
##	ENSG00000105355	ENSG00000205784	ENSG00000276043	ENSG00000127663	ENSG00000105426
##	23843	0	3216	6518	16937
##	ENSG00000105428	ENSG00000130254	ENSG00000160633	ENSG00000130255	ENSG00000174917
##	1	3592	6232	17562	2482
##	ENSG00000167733	ENSG00000196365	ENSG00000174898	ENSG00000212123	ENSG00000267157
##	521	8859	5	54	1
##	ENSG00000141994	ENSG00000171119	ENSG00000156413	ENSG00000171124	ENSG00000130383
##	852	5	0	1	0
##	ENSG00000267740	ENSG00000174886	ENSG00000267314	ENSG00000187650	ENSG00000105519
##	0	1630	1	186	260
##	ENSG00000031823	ENSG00000087903	ENSG00000130377	ENSG00000130382	ENSG00000167769
##	5317	274	4	9583	2
##	ENSG00000125656	ENSG00000125652	ENSG00000125650	ENSG00000125651	ENSG00000088247
##	4514	1364	365	9420	18664
##	ENSG00000181240	ENSG00000125648	ENSG00000130545	ENSG00000205744	ENSG00000104833
##	4	3235	2	0	9
##	ENSG00000125657	ENSG00000125726	ENSG00000125735	ENSG00000125730	ENSG00000125734
##	111	0	0	102	4267
##	ENSG00000125733	ENSG00000125731	ENSG00000141968	ENSG00000174837	ENSG00000237247
##	4547	52	0	0	0
##	ENSG00000205718	ENSG00000230522	ENSG00000182315	ENSG00000130544	ENSG00000171105
##	0	0	0	1064	810
##	ENSG00000263264	ENSG00000268861	ENSG00000104880	ENSG00000104883	ENSG00000198723
##	2	0	486	50	2
##	ENSG00000267952	ENSG00000198816	ENSG00000090674	ENSG00000268614	ENSG00000032444
##	1	2795	3651	0	13553
##	ENSG00000076826	ENSG00000076924	ENSG00000229833	ENSG00000268400	ENSG00000174788
##	5	3690	296	0	0
##	ENSG00000076944	ENSG00000104918	ENSG00000183019	ENSG00000269711	ENSG00000181029
##	129	0	0	0	336

##	ENSG00000104921	ENSG00000182566	ENSG00000090659	ENSG00000104938	ENSG00000142459
##	0	0	0	0	4286
##	ENSG00000183248	ENSG00000171017	ENSG00000076984	ENSG00000260001	ENSG00000104976
##	10	71	2887	70	2320
##	ENSG00000178531	ENSG00000104980	ENSG00000066044	ENSG00000131142	ENSG00000142449
##	2171	2806	7967	3	0
##	ENSG00000090661	ENSG00000167775	ENSG00000167774	ENSG00000267855	ENSG00000233927
##	464	3053	0	29	15905
##	ENSG00000186994	ENSG00000167772	ENSG00000185236	ENSG00000099785	ENSG00000099783
##	14	4962	7687	1620	20273
##	ENSG00000133246	ENSG00000133250	ENSG00000142347	ENSG00000142303	ENSG00000181786
##	5	884	131	710	0
##	ENSG00000181733	ENSG00000167785	ENSG00000170948	ENSG00000181143	ENSG00000170929
##	0	1460	0	0	0
##	ENSG00000170923	ENSG00000161807	ENSG00000170920	ENSG00000130803	ENSG00000188000
##	0	0	0	3256	1
##	ENSG00000174667	ENSG00000237521	ENSG00000196110	ENSG00000188321	ENSG00000270011
##	0	0	413	765	25
##	ENSG00000188629	ENSG00000174652	ENSG00000198028	ENSG00000130818	ENSG00000197961
##	2	1205	100	2898	2497
##	ENSG00000171469	ENSG00000279471	ENSG00000171466	ENSG00000224689	ENSG00000196605
##	4400	2	3371	21	377
##	ENSG00000127452	ENSG00000198258	ENSG00000127445	ENSG00000105088	ENSG00000080573
##	2245	7613	4653	5063	9928
##	ENSG00000080511	ENSG00000130813	ENSG00000130812	ENSG00000243207	ENSG00000130810
##	2	1430	14	0	269
##	ENSG00000244165	ENSG00000130811	ENSG00000130816	ENSG00000267534	ENSG00000105364
##	309	11114	10352	2310	2519
##	ENSG00000090339	ENSG00000105371	ENSG00000105376	ENSG00000220201	ENSG00000167807
##	1566	0	2045	45	8
##	ENSG00000267673	ENSG00000267303	ENSG00000161847	ENSG00000076662	ENSG00000105397
##	22	1	3139	1	6068
##	ENSG00000105401	ENSG00000065989	ENSG00000079999	ENSG00000180739	ENSG00000130734
##	22893	1748	6291	87	1210
##	ENSG00000129347	ENSG00000129355	ENSG00000129354	ENSG00000129353	ENSG00000129351
##	2075	599	7	16113	25720
##	ENSG00000213339	ENSG00000079805	ENSG00000099203	ENSG00000214212	ENSG00000142453
##	1382	15206	1315	30	8393
##	ENSG00000130733	ENSG00000142444	ENSG00000127616	ENSG00000130164	ENSG00000161888
##	4314	1751	20396	11236	638
##	ENSG00000197256	ENSG00000130158	ENSG00000130173	ENSG00000130167	ENSG00000105514
##	18623	4804	4	1	356
##	ENSG00000105518	ENSG00000183401	ENSG00000105520	ENSG00000173928	ENSG00000187266
##	1092	283	11347	101	412
##	ENSG00000205517	ENSG00000198003	ENSG00000130175	ENSG00000196361	ENSG00000267477
##	27	18	34139	1	0
##	ENSG00000161914	ENSG00000130159	ENSG00000130176	ENSG00000130165	ENSG00000198551
##	286	1503	5473	4402	1442
##	ENSG00000102575	ENSG00000197933	ENSG00000197044	ENSG00000177599	ENSG00000171295
##	212	290	685	219	906
##	ENSG00000171291	ENSG00000198429	ENSG00000196757	ENSG00000267179	ENSG00000197054
##	551	726	563	7	72
##	ENSG00000197647	ENSG00000257355	ENSG00000257446	ENSG00000223547	ENSG00000214189
##	289	0	23	1774	832

##	ENSG00000132010	ENSG00000213297	ENSG00000257591	ENSG00000196646	ENSG00000197857
##	32	1	40	925	546
##	ENSG00000188868	ENSG00000198342	ENSG00000268744	ENSG00000196466	ENSG00000268870
##	109	150	0	103	0
##	ENSG00000180855	ENSG00000269755	ENSG00000242852	ENSG00000196826	ENSG00000249709
##	132	2	15	0	24
##	ENSG00000269693	ENSG00000188033	ENSG00000173875	ENSG00000269242	ENSG00000104774
##	45	92	2842	3	6340
##	ENSG00000269590	ENSG00000123154	ENSG00000105583	ENSG00000095059	ENSG00000132004
##	0	345	3006	3274	771
##	ENSG00000105576	ENSG00000123144	ENSG00000198356	ENSG00000039987	ENSG00000095066
##	13169	8927	6696	2	858
##	ENSG00000171223	ENSG00000167815	ENSG00000104889	ENSG00000132026	ENSG00000105613
##	5225	11963	1051	3	45
##	ENSG00000105612	ENSG00000105610	ENSG00000105607	ENSG00000161860	ENSG00000179115
##	3619	0	1099	15	6941
##	ENSG00000179218	ENSG00000179262	ENSG00000179271	ENSG00000179284	ENSG00000008441
##	178402	5521	5132	0	15219
##	ENSG00000104903	ENSG00000104907	ENSG00000160877	ENSG00000104915	ENSG00000160888
##	36	2824	17893	3117	3923
##	ENSG00000141837	ENSG00000104957	ENSG00000037757	ENSG00000104979	ENSG00000280221
##	1696	1530	1572	6875	11
##	ENSG00000132003	ENSG00000187556	ENSG00000132016	ENSG00000132024	ENSG00000132000
##	3030	44	15	2045	249
##	ENSG00000132017	ENSG00000132005	ENSG00000171136	ENSG00000104998	ENSG00000187867
##	1300	1498	0	849	80
##	ENSG00000141854	ENSG00000188032	ENSG00000141858	ENSG00000072062	ENSG00000105011
##	44	1	1686	9622	511
##	ENSG00000072071	ENSG00000123146	ENSG00000123136	ENSG00000123143	ENSG00000160951
##	721	4007	3231	9370	121
##	ENSG00000123159	ENSG00000132002	ENSG00000099797	ENSG00000099795	ENSG00000187912
##	11497	10651	4722	3710	0
##	ENSG00000131355	ENSG00000160961	ENSG00000127507	ENSG00000188269	ENSG00000127530
##	0	879	50	2	0
##	ENSG00000127515	ENSG00000185385	ENSG00000127529	ENSG00000105143	ENSG00000160994
##	0	0	0	1	0
##	ENSG00000105141	ENSG00000094661	ENSG00000105137	ENSG00000105135	ENSG00000074181
##	0	0	12889	4511	20679
##	ENSG00000105131	ENSG00000141867	ENSG00000105127	ENSG00000011243	ENSG00000011451
##	7	8737	2530	2502	9816
##	ENSG00000105122	ENSG00000161031	ENSG00000171954	ENSG00000186526	ENSG00000186529
##	2	0	0	0	1
##	ENSG00000186204	ENSG00000171942	ENSG00000171936	ENSG00000172519	ENSG00000186723
##	0	0	0	0	0
##	ENSG00000186115	ENSG00000171903	ENSG00000176231	ENSG00000167460	ENSG00000167461
##	1	1	0	153013	2692
##	ENSG00000196684	ENSG00000141977	ENSG00000105058	ENSG00000072958	ENSG00000127528
##	1	0	7588	9759	1577
##	ENSG00000127527	ENSG00000269058	ENSG00000141979	ENSG00000105072	ENSG00000085872
##	3429	0	0	339	3702
##	ENSG00000127526	ENSG00000105085	ENSG00000268790	ENSG00000214046	ENSG00000072954
##	7514	442	1	1809	159
##	ENSG00000188039	ENSG00000127511	ENSG00000127533	ENSG00000160111	ENSG00000131351
##	0	7156	17	45	482

##	ENSG00000099331	ENSG00000053501	ENSG00000099330	ENSG00000160113	ENSG00000269095
##	23035	969	573	3978	0
##	ENSG00000130307	ENSG00000105393	ENSG00000269307	ENSG00000160117	ENSG00000127220
##	14	1596	0	40	689
##	ENSG00000130312	ENSG00000130311	ENSG00000074855	ENSG00000130299	ENSG00000130300
##	2212	6763	1501	788	0
##	ENSG00000130303	ENSG00000141971	ENSG00000188051	ENSG00000269035	ENSG00000171773
##	13	2136	24	0	0
##	ENSG00000130304	ENSG00000130313	ENSG00000167483	ENSG00000130309	ENSG00000130477
##	1299	4015	39	27473	171
##	ENSG00000130479	ENSG00000130475	ENSG00000179913	ENSG00000248099	ENSG00000105639
##	4258	20	0	2	127
##	ENSG00000105640	ENSG00000105641	ENSG00000007080	ENSG00000105642	ENSG00000105643
##	25426	1	4196	8	598
##	ENSG00000096996	ENSG00000099308	ENSG00000105647	ENSG00000268173	ENSG00000216490
##	7	1252	4	1	2
##	ENSG00000254858	ENSG00000105649	ENSG00000105650	ENSG00000130518	ENSG00000130522
##	1320	956	69	89	7084
##	ENSG00000130520	ENSG00000130517	ENSG00000130513	ENSG00000175489	ENSG00000130511
##	5794	6228	29822	7	4280
##	ENSG00000105655	ENSG00000105656	ENSG00000105701	ENSG00000105700	ENSG00000221983
##	1355	2467	23132	5451	27524
##	ENSG00000006016	ENSG00000006015	ENSG00000105696	ENSG00000167487	ENSG00000105662
##	2237	1676	1103	834	1861
##	ENSG00000105664	ENSG00000005007	ENSG00000130283	ENSG00000223802	ENSG00000105669
##	155	12885	0	259	9675
##	ENSG00000268193	ENSG00000105671	ENSG00000051128	ENSG00000064607	ENSG00000105676
##	0	4394	4187	9121	3320
##	ENSG00000181035	ENSG00000064545	ENSG00000064489	ENSG00000213999	ENSG00000254901
##	1156	2229	12	3	770
##	ENSG00000064490	ENSG00000184162	ENSG00000130287	ENSG00000187664	ENSG00000213996
##	2944	313	3	0	36
##	ENSG00000105705	ENSG00000129933	ENSG00000167491	ENSG00000178093	ENSG00000186010
##	2751	5698	11352	69	72
##	ENSG00000258674	ENSG00000250067	ENSG00000160161	ENSG00000105717	ENSG00000064547
##	8	57	190	28	289
##	ENSG00000089639	ENSG00000105726	ENSG00000181896	ENSG00000105708	ENSG00000081665
##	1853	8582	656	330	406
##	ENSG00000256771	ENSG00000184635	ENSG00000197124	ENSG00000213988	ENSG00000256229
##	473	292	219	29	718
##	ENSG00000237440	ENSG00000188171	ENSG00000160229	ENSG00000105750	ENSG00000118620
##	242	240	48	298	596
##	ENSG00000160352	ENSG00000196705	ENSG00000182141	ENSG00000172687	ENSG00000196268
##	697	848	714	521	301
##	ENSG00000269237	ENSG00000197013	ENSG00000197020	ENSG00000198521	ENSG00000160321
##	0	319	450	785	11
##	ENSG00000197134	ENSG00000196109	ENSG00000196350	ENSG00000197360	ENSG00000229676
##	35	0	0	0	32
##	ENSG00000213973	ENSG00000269067	ENSG00000183850	ENSG00000196081	ENSG00000167232
##	0	1	44	122	1091
##	ENSG00000197372	ENSG00000196172	ENSG00000213967	ENSG00000213096	ENSG00000169021
##	419	149	40	1078	7525
##	ENSG00000187135	ENSG00000105171	ENSG00000166289	ENSG00000131943	ENSG00000105173
##	0	1603	494	3942	696

##	ENSG00000105176	ENSG00000198597	ENSG00000121297	ENSG00000168813	ENSG00000178904
##	5213	0	3835	2239	4957
##	ENSG00000105185	ENSG00000105186	ENSG00000186326	ENSG00000213965	ENSG00000173809
##	4876	2700	12	1369	7
##	ENSG00000021488	ENSG00000121289	ENSG00000131944	ENSG00000131941	ENSG00000076650
##	1	3300	207	249	651
##	ENSG00000166359	ENSG00000130881	ENSG00000130876	ENSG00000245848	ENSG00000153879
##	77	4290	0	10	2903
##	ENSG00000124299	ENSG00000124302	ENSG00000153885	ENSG00000257103	ENSG00000166398
##	6078	3	2071	9622	4753
##	ENSG00000105220	ENSG00000266953	ENSG00000126249	ENSG00000126261	ENSG00000142279
##	17839	0	183	9269	2907
##	ENSG00000205209	ENSG00000089335	ENSG00000197841	ENSG00000153896	ENSG00000168661
##	5	1409	632	482	298
##	ENSG00000180884	ENSG00000089351	ENSG00000105711	ENSG00000105707	ENSG00000089356
##	506	6744	953	0	1
##	ENSG00000153902	ENSG00000266964	ENSG00000221946	ENSG00000089327	ENSG00000177558
##	6	1	3	10226	0
##	ENSG00000105699	ENSG00000105698	ENSG00000105697	ENSG00000105695	ENSG00000012124
##	160	7399	0	2	30
##	ENSG00000126266	ENSG00000185897	ENSG00000126251	ENSG00000126262	ENSG00000188508
##	0	0	0	0	0
##	ENSG00000161249	ENSG00000189001	ENSG00000105679	ENSG00000105677	ENSG00000105675
##	70	339	1	4572	2
##	ENSG00000249115	ENSG00000126254	ENSG00000105672	ENSG00000126267	ENSG00000105668
##	501	6449	61	7271	0
##	ENSG00000011590	ENSG00000272333	ENSG00000126246	ENSG00000267120	ENSG00000161265
##	11	4441	6	0	99
##	ENSG00000205155	ENSG00000188223	ENSG00000267796	ENSG00000004776	ENSG00000167595
##	1638	1	234	7806	1272
##	ENSG00000004777	ENSG00000250799	ENSG00000161270	ENSG00000126259	ENSG00000105290
##	265	0	0	2	1964
##	ENSG00000167604	ENSG00000126264	ENSG00000011600	ENSG00000126243	ENSG00000205138
##	165	17	0	1512	528
##	ENSG00000181392	ENSG00000239382	ENSG00000105270	ENSG00000161277	ENSG00000075702
##	5	86	12549	388	857
##	ENSG00000105261	ENSG00000105258	ENSG00000105254	ENSG00000126247	ENSG00000161281
##	1	310	6302	25582	219
##	ENSG00000196357	ENSG00000167635	ENSG00000142065	ENSG00000181007	ENSG00000186017
##	327	11133	406	573	668
##	ENSG00000254004	ENSG00000186020	ENSG00000161298	ENSG00000197808	ENSG00000189042
##	3674	816	218	326	404
##	ENSG00000267041	ENSG00000197863	ENSG00000251247	ENSG00000185869	ENSG00000198453
##	406	410	165	411	997
##	ENSG00000197050	ENSG00000267360	ENSG00000196967	ENSG00000245680	ENSG00000188283
##	433	2	572	1143	573
##	ENSG00000181666	ENSG00000189164	ENSG00000196437	ENSG00000171827	ENSG00000188227
##	1870	353	785	1005	376
##	ENSG00000171817	ENSG00000180479	ENSG00000120784	ENSG00000196381	ENSG00000267552
##	54	113	1036	45	0
##	ENSG00000198182	ENSG00000189144	ENSG00000171804	ENSG00000105738	ENSG00000011332
##	312	189	0	6357	332
##	ENSG00000167642	ENSG00000167641	ENSG00000267748	ENSG00000167644	ENSG00000167645
##	77	76	0	9	4790

##	ENSG00000099337	ENSG00000099338	ENSG00000099341	ENSG00000179168	ENSG00000188766
##	2751	9	13780	139	2792
##	ENSG00000130244	ENSG00000171777	ENSG00000196218	ENSG00000104814	ENSG00000178982
##	813	1	4	10	7736
##	ENSG00000130402	ENSG00000182472	ENSG00000205076	ENSG00000178934	ENSG00000171747
##	59743	1	0	0	1
##	ENSG00000104823	ENSG00000268083	ENSG00000104824	ENSG00000187994	ENSG00000068903
##	1074	0	13608	91	3662
##	ENSG00000104825	ENSG00000262484	ENSG00000104835	ENSG00000269547	ENSG00000128626
##	2181	1	81	0	2412
##	ENSG00000269190	ENSG00000161243	ENSG00000183760	ENSG00000130669	ENSG00000188505
##	1033	98	7	4044	1
##	ENSG00000179751	ENSG00000197110	ENSG00000183709	ENSG00000182393	ENSG00000128011
##	0	0	0	0	58
##	ENSG00000130755	ENSG00000179134	ENSG00000006712	ENSG00000063322	ENSG00000128016
##	60	10031	6245	4964	2011
##	ENSG00000090924	ENSG00000105193	ENSG00000196235	ENSG00000105197	ENSG00000090932
##	8208	25761	19368	5432	74
##	ENSG00000186838	ENSG00000176401	ENSG00000176396	ENSG00000105198	ENSG00000249861
##	0	209	1714	0	0
##	ENSG00000006659	ENSG00000105205	ENSG00000213921	ENSG00000105204	ENSG00000105202
##	0	0	0	3079	5013
##	ENSG00000275395	ENSG00000013275	ENSG00000187187	ENSG00000128000	ENSG00000197782
##	26	9667	202	1090	1078
##	ENSG00000130758	ENSG00000174521	ENSG00000105219	ENSG00000105221	ENSG00000160392
##	2167	27	14	10897	1224
##	ENSG00000105223	ENSG00000160396	ENSG00000105227	ENSG00000197019	ENSG00000167565
##	43808	51	455	2968	2452
##	ENSG00000090013	ENSG00000160460	ENSG00000160410	ENSG00000090006	ENSG00000279183
##	1672	102	6585	8783	0
##	ENSG00000105245	ENSG00000123815	ENSG00000086544	ENSG00000188493	ENSG00000077312
##	5280	1198	2626	757	3039
##	ENSG00000261857	ENSG00000268975	ENSG00000167578	ENSG00000171570	ENSG00000269858
##	0	0	536	0	1201
##	ENSG00000268797	ENSG00000255974	ENSG00000198077	ENSG00000197408	ENSG00000197838
##	0	7	1	0	0
##	ENSG00000197446	ENSG00000167600	ENSG00000167601	ENSG00000105323	ENSG00000105329
##	0	2879	48390	19159	30135
##	ENSG00000142039	ENSG00000255730	ENSG00000142046	ENSG00000123810	ENSG00000077348
##	2741	0	130	406	745
##	ENSG00000248098	ENSG00000177191	ENSG00000105341	ENSG00000204978	ENSG00000007129
##	64	34	3808	0	0
##	ENSG00000105388	ENSG00000105352	ENSG00000007306	ENSG00000267881	ENSG00000086548
##	0	0	0	0	0
##	ENSG00000170956	ENSG00000273111	ENSG00000142025	ENSG00000105372	ENSG00000105369
##	0	0	0	53897	10
##	ENSG00000076928	ENSG00000105404	ENSG00000105409	ENSG00000105737	ENSG00000105732
##	6973	10919	52	8	1155
##	ENSG00000028277	ENSG00000160570	ENSG00000167625	ENSG00000105723	ENSG00000268643
##	1792	2385	1893	4228	0
##	ENSG00000105722	ENSG00000079432	ENSG00000079462	ENSG00000188368	ENSG00000167619
##	5175	10542	1624	134	10
##	ENSG00000105429	ENSG00000105427	ENSG00000079435	ENSG00000189377	ENSG00000079385
##	15314	21	202	0	7

##	ENSG00000124469	ENSG00000221826	ENSG00000124467	ENSG00000231924	ENSG00000170848
##	0	1	1	108	0
##	ENSG00000221878	ENSG00000243130	ENSG00000242221	ENSG00000204941	ENSG00000243137
##	3	2	5	1096	4434
##	ENSG00000183668	ENSG00000204936	ENSG00000131126	ENSG00000124466	ENSG00000176531
##	63	5	0	166	1475
##	ENSG00000105755	ENSG00000176472	ENSG00000073050	ENSG00000268361	ENSG00000234465
##	3260	141	1851	0	43
##	ENSG00000167378	ENSG00000124444	ENSG00000226763	ENSG00000131116	ENSG00000105767
##	7058	1400	25	1726	615
##	ENSG00000011422	ENSG00000124449	ENSG00000105771	ENSG00000104783	ENSG00000159871
##	13366	0	3091	81	29
##	ENSG00000167637	ENSG00000176222	ENSG00000124459	ENSG00000159905	ENSG00000204920
##	758	314	1886	251	298
##	ENSG00000159882	ENSG00000159885	ENSG00000267022	ENSG00000178386	ENSG00000186026
##	261	325	0	57	179
##	ENSG00000267680	ENSG00000256294	ENSG00000263002	ENSG00000167380	ENSG00000131115
##	546	691	1158	1555	1050
##	ENSG00000159917	ENSG00000159915	ENSG00000062370	ENSG00000267173	ENSG00000267508
##	242	58	513	0	225
##	ENSG00000278318	ENSG00000167384	ENSG00000273777	ENSG00000216588	ENSG00000073008
##	2002	803	0	25	12681
##	ENSG00000186567	ENSG00000213892	ENSG00000069399	ENSG00000142273	ENSG00000187244
##	428	0	2040	0	3608
##	ENSG00000130202	ENSG00000130204	ENSG00000130203	ENSG00000130208	ENSG00000224916
##	14135	6392	291	14	0
##	ENSG00000267467	ENSG00000234906	ENSG00000104853	ENSG00000104856	ENSG00000104859
##	0	0	18646	1775	1379
##	ENSG00000170684	ENSG00000142252	ENSG00000007047	ENSG00000104866	ENSG00000179846
##	15	754	6316	4688	16
##	ENSG00000007255	ENSG00000189114	ENSG00000267545	ENSG00000130201	ENSG00000104879
##	200	1293	2	10	8
##	ENSG00000104892	ENSG00000104884	ENSG00000104881	ENSG00000117877	ENSG00000012061
##	0	6675	346	434	6008
##	ENSG00000125740	ENSG00000125744	ENSG00000213889	ENSG00000125753	ENSG00000125741
##	271	1040	27	15219	4387
##	ENSG00000177464	ENSG00000125746	ENSG00000010310	ENSG00000125743	ENSG00000011478
##	2	1434	46	9281	1643
##	ENSG00000177051	ENSG00000237452	ENSG00000177045	ENSG00000104936	ENSG00000268434
##	737	1	666	3078	1
##	ENSG00000185800	ENSG00000104941	ENSG00000125755	ENSG00000170608	ENSG00000170604
##	3353	1	8475	1	2306
##	ENSG00000176182	ENSG00000188425	ENSG00000104967	ENSG00000104983	ENSG00000008438
##	891	0	25	285	1
##	ENSG00000204869	ENSG00000188624	ENSG00000204866	ENSG00000188293	ENSG00000124440
##	0	0	1	0	0
##	ENSG00000011485	ENSG00000169515	ENSG00000182013	ENSG00000230510	ENSG00000204851
##	4802	1367	181	29	28
##	ENSG00000160014	ENSG00000160013	ENSG00000167414	ENSG00000197380	ENSG00000105287
##	25024	376	0	2056	3601
##	ENSG00000090372	ENSG00000181027	ENSG00000105281	ENSG00000280050	ENSG00000042753
##	8595	4399	23715	0	13587
##	ENSG00000160007	ENSG00000130751	ENSG00000130748	ENSG00000130749	ENSG00000142230
##	15352	645	871	3542	14268

##	ENSG00000105327	ENSG00000105321	ENSG00000257704	ENSG00000197405	ENSG00000134830
##	2022	2212	1297	85	15
##	ENSG00000134815	ENSG00000105419	ENSG00000118160	ENSG00000118162	ENSG00000105402
##	2389	5499	3	560	3584
##	ENSG00000118156	ENSG00000063169	ENSG00000024422	ENSG00000105373	ENSG00000178980
##	1	1416	61024	6742	6478
##	ENSG00000178928	ENSG00000105392	ENSG00000105398	ENSG00000188334	ENSG00000169393
##	0	0	0	0	0
##	ENSG00000105507	ENSG00000105499	ENSG00000105486	ENSG00000185453	ENSG00000178150
##	0	559	1792	1155	27
##	ENSG00000105483	ENSG00000105479	ENSG00000142227	ENSG00000161558	ENSG00000105467
##	1719	10	14535	349	0
##	ENSG00000105438	ENSG00000105464	ENSG00000105447	ENSG00000182324	ENSG00000268465
##	30975	67	4216	119	0
##	ENSG00000105443	ENSG00000142235	ENSG00000088002	ENSG00000105523	ENSG00000177202
##	7420	100	2	3	1
##	ENSG00000063177	ENSG00000063176	ENSG00000105516	ENSG00000063180	ENSG00000142233
##	31212	1475	272	413	18
##	ENSG00000176920	ENSG00000176909	ENSG00000105538	ENSG00000182264	ENSG00000174951
##	90	117	27	0	13
##	ENSG00000105550	ENSG00000105552	ENSG00000087076	ENSG00000105559	ENSG00000087074
##	0	1506	271	3520	11678
##	ENSG00000104804	ENSG00000104805	ENSG00000104808	ENSG00000087088	ENSG00000087086
##	11	24200	16	13589	236007
##	ENSG00000104812	ENSG00000183207	ENSG00000104826	ENSG00000104827	ENSG00000267335
##	8655	6916	3	0	0
##	ENSG00000104818	ENSG00000267631	ENSG00000189052	ENSG00000213030	ENSG00000196337
##	0	0	1	6	16
##	ENSG00000225950	ENSG00000104848	ENSG00000104852	ENSG00000104863	ENSG00000221916
##	3	7	12851	362	16
##	ENSG00000177380	ENSG00000130528	ENSG00000130529	ENSG00000063127	ENSG00000104894
##	204	3	3420	313	339
##	ENSG00000074219	ENSG00000104901	ENSG00000161609	ENSG00000142538	ENSG00000261949
##	5791	30	0	0	1
##	ENSG00000104888	ENSG00000104872	ENSG00000161618	ENSG00000269469	ENSG00000090554
##	8	2664	1264	0	9
##	ENSG00000142541	ENSG00000142534	ENSG00000104870	ENSG00000142552	ENSG00000142546
##	100493	49668	6005	10629	3868
##	ENSG00000126460	ENSG00000126464	ENSG00000126458	ENSG00000126461	ENSG00000126456
##	23	4027	6136	11037	3999
##	ENSG00000126453	ENSG00000126457	ENSG00000224420	ENSG00000169169	ENSG00000126467
##	1207	14141	11	2979	1
##	ENSG00000196961	ENSG00000010361	ENSG00000104973	ENSG00000104960	ENSG00000039650
##	21903	566	2533	5862	2077
##	ENSG00000204673	ENSG00000104946	ENSG00000104951	ENSG00000213024	ENSG00000269179
##	11482	4867	21	4223	0
##	ENSG00000169136	ENSG00000161640	ENSG00000105053	ENSG00000142528	ENSG00000161652
##	2357	0	2436	755	0
##	ENSG00000105357	ENSG00000131398	ENSG00000131408	ENSG00000131400	ENSG00000062822
##	19	49	7740	9	1080
##	ENSG00000142539	ENSG00000269404	ENSG00000086967	ENSG00000142530	ENSG00000161671
##	0	1	1	21	9496
##	ENSG00000161677	ENSG00000204653	ENSG00000131409	ENSG00000213023	ENSG00000235034
##	2211	10	16	37	23

##	ENSG00000161681	ENSG00000105472	ENSG00000142511	ENSG00000142513	ENSG00000167747
##	1705	8672	0	4	1996
##	ENSG00000167748	ENSG00000174562	ENSG00000142515	ENSG00000167751	ENSG00000167749
##	0	0	0	0	0
##	ENSG00000167754	ENSG00000167755	ENSG00000169035	ENSG00000129455	ENSG00000269741
##	0	1	0	0	0
##	ENSG00000213022	ENSG00000129451	ENSG00000167757	ENSG00000186474	ENSG00000167759
##	0	0	0	0	1
##	ENSG00000129437	ENSG00000142544	ENSG00000129450	ENSG00000168995	ENSG00000105383
##	1	481	2	0	0
##	ENSG00000179213	ENSG00000142549	ENSG00000186806	ENSG00000105379	ENSG00000269403
##	0	2	280	1341	1
##	ENSG00000160318	ENSG00000105374	ENSG00000105370	ENSG00000262874	ENSG00000142512
##	22	0	0	0	0
##	ENSG00000105366	ENSG00000213822	ENSG00000254521	ENSG00000105492	ENSG00000105497
##	0	0	0	0	1361
##	ENSG00000105501	ENSG00000268500	ENSG00000254415	ENSG00000105509	ENSG00000171051
##	0	0	2	4	0
##	ENSG00000171049	ENSG00000187474	ENSG00000161551	ENSG00000176024	ENSG00000198093
##	0	0	373	345	518
##	ENSG00000256683	ENSG00000197619	ENSG00000142556	ENSG00000256087	ENSG00000197608
##	590	636	1661	1356	1469
##	ENSG00000204611	ENSG00000196267	ENSG00000105568	ENSG00000196214	ENSG00000198464
##	1188	404	34865	755	1494
##	ENSG00000167554	ENSG00000221923	ENSG00000167555	ENSG00000198633	ENSG00000258405
##	546	1150	2158	1	145
##	ENSG00000198482	ENSG00000167562	ENSG00000167766	ENSG00000213020	ENSG00000189190
##	535	593	1830	905	442
##	ENSG00000198538	ENSG00000204604	ENSG00000182986	ENSG00000221874	ENSG00000180257
##	1058	1491	1590	0	489
##	ENSG00000269526	ENSG00000268964	ENSG00000170949	ENSG00000170954	ENSG00000197937
##	2	1	2122	503	1186
##	ENSG00000197497	ENSG00000197928	ENSG00000196131	ENSG00000228567	ENSG00000163098
##	120	1215	0	0	0
##	ENSG00000213799	ENSG00000203326	ENSG00000196417	ENSG00000160336	ENSG00000198346
##	545	277	860	989	475
##	ENSG00000130844	ENSG00000204595	ENSG00000142405	ENSG00000179820	ENSG00000126583
##	848	0	0	17470	3
##	ENSG00000105605	ENSG00000142408	ENSG00000130433	ENSG00000189068	ENSG00000248385
##	1105	127	6	0	0
##	ENSG00000170909	ENSG00000170906	ENSG00000105619	ENSG00000105618	ENSG00000088038
##	44	1838	1207	2600	4268
##	ENSG00000105617	ENSG00000167608	ENSG00000125505	ENSG00000170892	ENSG00000170889
##	659	64	24832	5163	30979
##	ENSG00000204577	ENSG00000244482	ENSG00000131042	ENSG00000105609	ENSG00000187116
##	5	6	0	0	0
##	ENSG00000239961	ENSG00000167613	ENSG00000167614	ENSG00000167615	ENSG00000275183
##	0	0	32	5819	155
##	ENSG00000167617	ENSG00000167618	ENSG00000104970	ENSG00000239998	ENSG00000104974
##	1625	0	0	0	0
##	ENSG00000104972	ENSG00000186818	ENSG00000243772	ENSG00000242019	ENSG00000167633
##	0	0	0	0	0
##	ENSG00000125498	ENSG00000189013	ENSG00000240403	ENSG00000186431	ENSG00000189430
##	0	0	0	0	0

##	ENSG00000167634	ENSG00000022556	ENSG00000088053	ENSG00000160439	ENSG00000131037
##	0	10	0	543	146
##	ENSG00000125503	ENSG00000105048	ENSG00000129991	ENSG00000267110	ENSG00000167646
##	11138	18	1	0	12
##	ENSG00000129990	ENSG00000080031	ENSG00000180089	ENSG00000105063	ENSG00000133265
##	17	30	35	14354	3226
##	ENSG00000160469	ENSG00000180061	ENSG00000133247	ENSG00000160471	ENSG00000267706
##	2033	0	407	7	0
##	ENSG00000180043	ENSG00000095752	ENSG00000160472	ENSG00000233493	ENSG00000108107
##	1	12136	7	19	45263
##	ENSG00000108106	ENSG00000187902	ENSG00000063241	ENSG00000197483	ENSG00000090971
##	9496	20	4537	827	3489
##	ENSG00000179954	ENSG00000187550	ENSG00000231274	ENSG00000218891	ENSG00000179943
##	6929	3	6	2467	1097
##	ENSG00000171443	ENSG00000261221	ENSG00000179922	ENSG00000213015	ENSG00000171425
##	759	2422	461	2884	1597
##	ENSG00000173581	ENSG00000063244	ENSG00000063245	ENSG00000185792	ENSG00000223638
##	1752	16972	18202	1	1
##	ENSG00000229292	ENSG00000179873	ENSG00000160505	ENSG00000173572	ENSG00000179709
##	0	0	1	0	0
##	ENSG00000171487	ENSG00000142409	ENSG00000167685	ENSG00000197487	ENSG00000197213
##	0	2077	2686	0	1
##	ENSG00000204532	ENSG00000131848	ENSG00000018869	ENSG00000198440	ENSG00000198046
##	3	137	367	782	790
##	ENSG00000196263	ENSG00000196867	ENSG00000197016	ENSG00000197951	ENSG00000268182
##	754	808	1035	1462	17
##	ENSG00000127903	ENSG00000269699	ENSG00000198300	ENSG00000131864	ENSG00000141946
##	3	0	24	0	0
##	ENSG00000258873	ENSG00000083844	ENSG00000105146	ENSG00000204524	ENSG00000197714
##	0	1943	49	437	136
##	ENSG00000178229	ENSG00000131845	ENSG00000152433	ENSG00000256060	ENSG00000268133
##	311	1172	180	360	0
##	ENSG00000188785	ENSG00000269533	ENSG00000268533	ENSG00000186272	ENSG00000186230
##	628	16	0	298	349
##	ENSG00000268163	ENSG00000178201	ENSG00000197128	ENSG00000105136	ENSG00000268107
##	5	81	678	763	2
##	ENSG00000152439	ENSG00000121406	ENSG00000251369	ENSG00000083817	ENSG00000171649
##	860	809	741	457	1033
##	ENSG00000183647	ENSG00000213762	ENSG00000121417	ENSG00000180532	ENSG00000204519
##	278	2956	935	8	651
##	ENSG00000269026	ENSG00000179909	ENSG00000083814	ENSG00000152443	ENSG00000083828
##	0	938	517	1569	479
##	ENSG00000178935	ENSG00000268750	ENSG00000269343	ENSG00000204514	ENSG00000198466
##	255	5	917	1053	2023
##	ENSG00000269476	ENSG00000173480	ENSG00000196724	ENSG00000152454	ENSG00000177025
##	0	815	159	344	72
##	ENSG00000166704	ENSG00000152467	ENSG00000176293	ENSG00000121413	ENSG00000181894
##	672	10	345	1083	1506
##	ENSG00000171606	ENSG00000198131	ENSG00000269545	ENSG00000278129	ENSG00000267216
##	1418	1154	0	902	76
##	ENSG00000182318	ENSG00000121410	ENSG00000174586	ENSG00000152475	ENSG00000083845
##	687	34	230	164	30808
##	ENSG00000269855	ENSG00000171574	ENSG00000131849	ENSG00000249471	ENSG00000083812
##	0	1264	589	352	971

##	ENSG00000083838	ENSG00000083807	ENSG00000119574	ENSG00000130726	ENSG00000130724
##	323	131	1328	29900	5232
##	ENSG00000130725	ENSG00000099326	ENSG00000184895	ENSG00000129824	ENSG00000067646
##	6503	1106	0	8	2
##	ENSG00000176679	ENSG00000099715	ENSG00000168757	ENSG00000099721	ENSG00000092377
##	0	0	0	0	1
##	ENSG000000279435	ENSG000000279664	ENSG000000279547	ENSG000000233803	ENSG000000229549
##	0	0	0	0	0
##	ENSG000000228927	ENSG000000258992	ENSG000000238074	ENSG000000236424	ENSG000000114374
##	0	0	0	0	5
##	ENSG00000067048	ENSG00000183878	ENSG00000154620	ENSG00000129864	ENSG00000129862
##	5	0	1	0	0
##	ENSG00000165246	ENSG00000129873	ENSG00000182415	ENSG00000172468	ENSG00000169953
##	0	0	0	0	0
##	ENSG000000279335	ENSG00000012817	ENSG00000198692	ENSG000000280969	ENSG00000183146
##	0	2	2	0	0
##	ENSG000000242875	ENSG000000234414	ENSG000000244395	ENSG000000242389	ENSG00000169807
##	0	0	0	0	0
##	ENSG00000169800	ENSG000000226941	ENSG00000169789	ENSG00000183753	ENSG00000188120
##	0	0	0	0	0
##	ENSG000000205944	ENSG00000172352	ENSG000000279287	ENSG000000279274	ENSG00000183795
##	0	0	0	9	0
##	ENSG00000187191	ENSG000000205916	ENSG00000185894	ENSG000000279115	ENSG000000280301
##	0	0	0	1	0
##	ENSG00000172288	ENSG000000280363	ENSG000000279973	ENSG00000130538	ENSG00000198062
##	0	0	0	0	0
##	ENSG00000198445	ENSG00000172967	ENSG000000215568	ENSG00000177663	ENSG00000183307
##	0	0	0	6345	178
##	ENSG00000069998	ENSG00000093072	ENSG00000099954	ENSG00000182902	ENSG00000131100
##	1768	10	0	114	14891
##	ENSG00000099968	ENSG00000015475	ENSG000000243156	ENSG000000215193	ENSG00000183785
##	7416	6429	2814	7014	4
##	ENSG00000184979	ENSG000000274252	ENSG000000278558	ENSG000000275793	ENSG00000183628
##	1397	0	4	55	11
##	ENSG00000100033	ENSG000000279560	ENSG00000070413	ENSG00000100056	ENSG000000206203
##	0	0	10287	1538	0
##	ENSG00000063515	ENSG00000100075	ENSG00000070371	ENSG00000100084	ENSG000000242259
##	0	7645	895	1083	964
##	ENSG00000185608	ENSG00000070010	ENSG00000093009	ENSG00000184113	ENSG00000184702
##	1710	6236	588	10	1636
##	ENSG000000203618	ENSG00000184058	ENSG00000185838	ENSG000000215012	ENSG00000184470
##	0	5	410	3483	1986
##	ENSG00000093010	ENSG00000099889	ENSG00000183597	ENSG00000128191	ENSG00000099899
##	9804	1537	1987	3522	1787
##	ENSG00000099901	ENSG00000099904	ENSG000000234409	ENSG00000040608	ENSG00000128185
##	7654	6955	16	68	3735
##	ENSG00000161133	ENSG00000185252	ENSG000000244486	ENSG000000277971	ENSG00000099910
##	39	2080	9969	0	1571
##	ENSG00000099917	ENSG000000241973	ENSG00000099937	ENSG00000099940	ENSG00000099942
##	10326	11046	36	4116	5443
##	ENSG00000183773	ENSG00000099949	ENSG00000184436	ENSG00000099957	ENSG00000099960
##	7	6833	982	93	1
##	ENSG00000187905	ENSG000000239511	ENSG00000133475	ENSG000000274600	ENSG00000169635
##	0	0	0	11	925

##	ENSG00000183246	ENSG00000185651	ENSG00000161179	ENSG00000161180	ENSG00000128228
##	5	11419	1163	14	2209
##	ENSG00000100023	ENSG00000100027	ENSG00000100030	ENSG00000100034	ENSG00000100038
##	3716	179	17555	6616	27
##	ENSG00000169575	ENSG00000275004	ENSG00000169548	ENSG00000185686	ENSG00000100121
##	0	180	0	0	0
##	ENSG00000254709	ENSG00000100218	ENSG00000128266	ENSG00000100228	ENSG00000186716
##	0	3	79	932	8681
##	ENSG00000128322	ENSG00000189269	ENSG00000159496	ENSG00000187792	ENSG00000128218
##	1	6	51	842	1
##	ENSG00000169314	ENSG00000250479	ENSG00000099953	ENSG00000280178	ENSG00000099956
##	24	389	531	0	7489
##	ENSG00000099958	ENSG00000133460	ENSG00000251357	ENSG00000240972	ENSG00000133433
##	28	521	0	10	606
##	ENSG00000099974	ENSG00000099977	ENSG00000099991	ENSG00000099994	ENSG00000099998
##	77	585	8822	366	429
##	ENSG00000100014	ENSG00000258555	ENSG00000128271	ENSG00000100024	ENSG00000138867
##	4337	0	11	15	7852
##	ENSG00000100028	ENSG00000100031	ENSG00000178026	ENSG00000184571	ENSG00000167037
##	6639	236	238	0	0
##	ENSG00000206069	ENSG00000197077	ENSG00000100053	ENSG00000244752	ENSG00000100068
##	0	34	0	2	247
##	ENSG00000100077	ENSG00000133454	ENSG00000100095	ENSG00000128203	ENSG00000100099
##	690	0	0	248	1493
##	ENSG00000100104	ENSG00000100109	ENSG00000128294	ENSG00000100122	ENSG00000196431
##	1200	2587	3369	1	1
##	ENSG00000169184	ENSG00000180957	ENSG00000100154	ENSG00000183765	ENSG00000100209
##	551	8428	2852	525	570
##	ENSG00000159873	ENSG00000100219	ENSG00000183579	ENSG00000100249	ENSG00000183762
##	2525	7592	739	0	1904
##	ENSG00000186998	ENSG00000100263	ENSG00000182944	ENSG00000185340	ENSG00000100276
##	179	1699	19395	4392	5
##	ENSG00000100280	ENSG00000128250	ENSG00000100285	ENSG00000100296	ENSG00000184117
##	12888	0	375	4526	3528
##	ENSG00000186575	ENSG00000100314	ENSG00000100319	ENSG00000184076	ENSG00000100325
##	11660	21	765	4906	7260
##	ENSG00000100330	ENSG00000176635	ENSG00000128342	ENSG00000099985	ENSG00000239282
##	684	2	14240	1	94
##	ENSG00000248751	ENSG00000099992	ENSG00000099995	ENSG00000187860	ENSG00000099999
##	0	1283	11269	267	1914
##	ENSG00000100003	ENSG00000249590	ENSG00000242114	ENSG00000100012	ENSG00000133488
##	1860	0	94	0	0
##	ENSG00000214491	ENSG00000128242	ENSG00000100029	ENSG00000185339	ENSG00000100036
##	2	2	8652	524	1481
##	ENSG00000167065	ENSG00000184792	ENSG00000133422	ENSG00000183963	ENSG00000198832
##	906	344	6302	13465	8212
##	ENSG00000185133	ENSG00000100078	ENSG00000138942	ENSG00000182541	ENSG00000100100
##	101	22	4870	2750	3150
##	ENSG00000100105	ENSG00000185721	ENSG00000184708	ENSG00000198089	ENSG00000241878
##	1461	5119	2262	884	4754
##	ENSG00000183530	ENSG00000100150	ENSG00000128245	ENSG00000100170	ENSG00000205856
##	6610	926	9696	0	0
##	ENSG00000128253	ENSG00000279219	ENSG00000100191	ENSG00000128276	ENSG00000205853
##	1	0	0	0	6

##	ENSG00000100220	ENSG00000184459	ENSG00000100225	ENSG00000185666	ENSG00000100234
##	8805	0	8413	2	72742
##	ENSG00000133424	ENSG00000175329	ENSG00000100281	ENSG00000100284	ENSG00000100292
##	2905	0	3002	4967	1365
##	ENSG00000100297	ENSG00000100302	ENSG00000198125	ENSG00000221963	ENSG00000128313
##	2350	196	0	2109	27
##	ENSG00000100320	ENSG00000128284	ENSG00000100336	ENSG00000128335	ENSG00000100342
##	33130	99	0	2992	159
##	ENSG00000100345	ENSG00000100348	ENSG00000100350	ENSG00000100353	ENSG00000166862
##	248369	5574	1596	15195	0
##	ENSG00000100360	ENSG00000100362	ENSG00000100365	ENSG00000100368	ENSG00000185264
##	2355	0	0	2	0
##	ENSG00000128311	ENSG00000128309	ENSG00000100379	ENSG00000187045	ENSG00000100385
##	2566	4470	3322	14	51
##	ENSG00000133466	ENSG00000278195	ENSG00000128340	ENSG00000100055	ENSG00000166897
##	1297	6	3492	98	7050
##	ENSG00000100060	ENSG00000100065	ENSG00000128283	ENSG00000100079	ENSG00000100083
##	2	2094	9515	38	4716
##	ENSG00000100092	ENSG00000241360	ENSG00000100097	ENSG00000273899	ENSG00000100101
##	2306	205	112788	193	0
##	ENSG00000100106	ENSG00000189060	ENSG00000100116	ENSG00000128310	ENSG00000100124
##	9168	4774	1519	1	2127
##	ENSG00000100129	ENSG00000100139	ENSG00000128346	ENSG00000100142	ENSG00000100146
##	12389	6654	290	2	0
##	ENSG00000100151	ENSG00000100156	ENSG00000128298	ENSG00000184381	ENSG00000185022
##	973	12	74	205	7015
##	ENSG00000198792	ENSG00000213923	ENSG00000168135	ENSG00000100196	ENSG00000100201
##	14204	22822	9	12639	33312
##	ENSG00000100206	ENSG00000184949	ENSG00000100211	ENSG00000100216	ENSG00000100221
##	17	327	1112	5652	6537
##	ENSG00000100226	ENSG00000100242	ENSG00000100246	ENSG00000221890	ENSG00000183741
##	4494	7955	1059	2032	16592
##	ENSG00000128383	ENSG00000179750	ENSG00000244509	ENSG00000243811	ENSG00000128394
##	1	404	7762	52	306
##	ENSG00000239713	ENSG00000100298	ENSG00000100307	ENSG00000100311	ENSG00000100316
##	164	3	263	240	102578
##	ENSG00000100321	ENSG00000100324	ENSG00000128268	ENSG00000100335	ENSG00000128272
##	2008	2483	236	6816	23152
##	ENSG00000187051	ENSG00000100346	ENSG00000176177	ENSG00000100351	ENSG00000133477
##	5229	1	0	8	0
##	ENSG00000100354	ENSG00000239900	ENSG00000279624	ENSG00000100359	ENSG00000196588
##	4931	5776	0	4531	6577
##	ENSG00000128285	ENSG00000100372	ENSG00000100380	ENSG00000196236	ENSG00000172404
##	36	2111	28833	1956	10
##	ENSG00000100387	ENSG00000100393	ENSG00000100395	ENSG00000100399	ENSG00000100401
##	2682	10982	2571	39	24405
##	ENSG00000100403	ENSG00000167074	ENSG00000183864	ENSG00000100410	ENSG00000100412
##	33527	1907	5000	1829	6393
##	ENSG00000100413	ENSG00000172346	ENSG00000100417	ENSG00000100418	ENSG00000196419
##	7302	1625	4337	7949	29629
##	ENSG00000100138	ENSG00000184208	ENSG00000167077	ENSG00000100147	ENSG00000198911
##	8212	1268	41	283	13662
##	ENSG00000234965	ENSG00000159958	ENSG00000100162	ENSG00000100167	ENSG00000183066
##	0	9	333	27	6

##	ENSG00000198951	ENSG00000177096	ENSG00000183172	ENSG00000184983	ENSG00000100197
##	3279	1414	1241	3933	13
##	ENSG00000100207	ENSG00000235568	ENSG00000189306	ENSG00000183569	ENSG00000100227
##	3669	4	3462	109	6709
##	ENSG00000100243	ENSG00000249222	ENSG00000128274	ENSG00000242247	ENSG00000100266
##	37983	2	1982	7362	6770
##	ENSG00000100271	ENSG00000100290	ENSG00000100294	ENSG00000100300	ENSG00000100304
##	641	8	974	10676	4224
##	ENSG00000159307	ENSG00000186732	ENSG00000186976	ENSG00000130540	ENSG00000100341
##	0	0	92	220	5
##	ENSG00000100344	ENSG00000100347	ENSG00000188677	ENSG00000138964	ENSG00000138944
##	911	4539	2092	0	782
##	ENSG00000188636	ENSG00000186654	ENSG00000248405	ENSG00000241484	ENSG00000056487
##	7091	1022	0	0	3
##	ENSG00000093000	ENSG00000100364	ENSG00000100373	ENSG00000100376	ENSG00000077935
##	8583	12061	0	1734	0
##	ENSG00000128408	ENSG00000077942	ENSG00000130638	ENSG00000188064	ENSG00000182257
##	6	10424	12812	179	13
##	ENSG00000186951	ENSG00000205643	ENSG00000130943	ENSG00000075234	ENSG00000075218
##	2571	552	15	5102	1229
##	ENSG00000100416	ENSG00000075275	ENSG00000075240	ENSG00000100422	ENSG00000054611
##	2239	810	1377	11952	3261
##	ENSG00000280080	ENSG00000278881	ENSG00000219438	ENSG00000100425	ENSG00000100426
##	0	2	8	3411	5275
##	ENSG00000182858	ENSG00000184164	ENSG00000198355	ENSG00000188263	ENSG00000138892
##	1241	4561	3291	1	0
##	ENSG00000100427	ENSG00000073146	ENSG00000073150	ENSG00000170638	ENSG00000073169
##	64	106	579	2603	1624
##	ENSG00000128159	ENSG00000100429	ENSG00000188130	ENSG00000185386	ENSG00000196576
##	3351	65	3966	1639	75474
##	ENSG00000205593	ENSG00000100239	ENSG00000100241	ENSG00000128165	ENSG00000100253
##	297	8359	14649	1264	0
##	ENSG00000100258	ENSG00000025770	ENSG00000130489	ENSG00000025708	ENSG00000177989
##	9217	2305	860	140	12
##	ENSG00000130487	ENSG00000217442	ENSG00000205560	ENSG00000254413	ENSG00000100288
##	4	1	3	2	19
##	ENSG00000008735	ENSG00000100299	ENSG00000100312	ENSG00000079974	ENSG00000279493
##	58	3233	1	1087	0
##	ENSG00000277117	ENSG00000280071	ENSG00000276612	ENSG00000275464	ENSG00000280433
##	77	299	0	582	136
##	ENSG00000275993	ENSG00000274276	ENSG00000275895	ENSG00000276076	ENSG00000273590
##	7	8	45	0	0
##	ENSG00000276289	ENSG00000274391	ENSG00000280108	ENSG00000166351	ENSG00000188992
##	3	0	0	0	3
##	ENSG00000185272	ENSG00000155304	ENSG00000155307	ENSG00000243440	ENSG00000180530
##	1	8863	1	0	4467
##	ENSG00000155313	ENSG00000154639	ENSG00000154640	ENSG00000154642	ENSG00000154645
##	3753	656	3232	2243	3
##	ENSG00000154646	ENSG00000154654	ENSG00000154719	ENSG00000154721	ENSG00000154723
##	0	764	1509	1047	3933
##	ENSG00000154727	ENSG00000142192	ENSG00000166265	ENSG00000154734	ENSG00000154736
##	4135	94799	0	59299	2273
##	ENSG00000156239	ENSG00000198862	ENSG00000156253	ENSG00000156256	ENSG00000156261
##	1010	4382	1946	4560	21344

##	ENSG00000156265	ENSG00000156273	ENSG00000171189	ENSG00000156282	ENSG00000156284
##	2005	12899	50	0	0
##	ENSG00000188694	ENSG00000232263	ENSG00000197683	ENSG00000206107	ENSG00000182816
##	0	0	0	0	0
##	ENSG00000186980	ENSG00000198390	ENSG00000240432	ENSG00000186971	ENSG00000186970
##	0	0	0	0	0
##	ENSG00000184351	ENSG00000244025	ENSG00000186965	ENSG00000186967	ENSG00000186977
##	0	0	0	0	0
##	ENSG00000186925	ENSG00000244362	ENSG00000206106	ENSG00000212938	ENSG00000186930
##	0	0	0	0	0
##	ENSG00000186924	ENSG00000184724	ENSG00000244624	ENSG00000206105	ENSG00000184032
##	0	0	0	0	0
##	ENSG00000206104	ENSG00000231068	ENSG00000187026	ENSG00000187005	ENSG00000183640
##	0	0	0	0	0
##	ENSG00000274749	ENSG00000182591	ENSG00000206102	ENSG00000156299	ENSG00000142168
##	0	0	0	1249	11997
##	ENSG00000156304	ENSG00000142149	ENSG00000159055	ENSG00000170262	ENSG00000142207
##	3777	402	703	0	8054
##	ENSG00000166979	ENSG00000242220	ENSG00000265590	ENSG00000159079	ENSG00000159082
##	61	8	0	727	2494
##	ENSG00000159086	ENSG00000205929	ENSG00000205927	ENSG00000184221	ENSG00000159110
##	2464	1	0	0	841
##	ENSG00000249624	ENSG00000243646	ENSG00000142166	ENSG00000159128	ENSG00000142188
##	0	1532	7276	4623	2794
##	ENSG00000177692	ENSG00000159131	ENSG00000159140	ENSG00000159147	ENSG00000249209
##	70	6095	28501	1012	0
##	ENSG00000205758	ENSG00000205726	ENSG00000241837	ENSG00000243927	ENSG00000198743
##	1286	6093	2277	2379	12639
##	ENSG00000159197	ENSG00000205670	ENSG00000222018	ENSG00000243627	ENSG00000180509
##	1	0	0	0	10
##	ENSG00000159200	ENSG00000159212	ENSG00000159216	ENSG00000280170	ENSG00000185917
##	11290	10	10631	2	761
##	ENSG00000159228	ENSG00000159231	ENSG00000142197	ENSG00000159256	ENSG00000159259
##	4024	234	3237	3022	477
##	ENSG00000159261	ENSG00000159263	ENSG00000159267	ENSG00000183145	ENSG00000185808
##	9	863	2543	7	410
##	ENSG00000182670	ENSG00000157538	ENSG00000157540	ENSG00000157542	ENSG00000184029
##	39228	3977	4876	118	0
##	ENSG00000198054	ENSG00000157551	ENSG00000157554	ENSG00000157557	ENSG00000183527
##	0	162	1	13431	2336
##	ENSG00000185658	ENSG00000205581	ENSG00000182093	ENSG00000157578	ENSG00000185437
##	4821	15402	3350	52	173
##	ENSG00000183778	ENSG00000183067	ENSG00000183036	ENSG00000171587	ENSG00000182240
##	10	2	0	15	3838
##	ENSG00000183844	ENSG00000183486	ENSG00000157601	ENSG00000184012	ENSG00000183421
##	0	43	89	3	1
##	ENSG00000141956	ENSG00000157617	ENSG00000173276	ENSG00000177398	ENSG00000160179
##	942	7568	4620	12	504
##	ENSG00000160180	ENSG00000160181	ENSG00000160182	ENSG00000160183	ENSG00000160185
##	0	0	0	0	0
##	ENSG00000160188	ENSG00000160190	ENSG00000160191	ENSG00000160193	ENSG00000160194
##	3	171	319	1465	4632
##	ENSG00000160199	ENSG00000160200	ENSG00000160201	ENSG00000160202	ENSG00000142178
##	3641	440	96	0	220

```

## ENSG00000160207 ENSG00000234289 ENSG00000160208 ENSG00000160209 ENSG00000160213
##          59          10          6635          17419          7597
## ENSG00000160214 ENSG00000160216 ENSG00000160218 ENSG00000241945 ENSG00000160221
##          2830          14261          3555          28          16
## ENSG00000160223 ENSG00000142182 ENSG00000160224 ENSG00000141959 ENSG00000160226
##          8          2          9          12350          710
## ENSG00000142185 ENSG00000160233 ENSG00000175894 ENSG00000215455 ENSG00000205445
##          3          321          8          0          0
## ENSG00000212935 ENSG00000215454 ENSG00000241123 ENSG00000188155 ENSG00000272804
##          0          0          0          0          0
## ENSG00000187766 ENSG00000221837 ENSG00000221859 ENSG00000243489 ENSG00000205439
##          0          0          0          0          0
## ENSG00000212933 ENSG00000221864 ENSG00000187175 ENSG00000189169 ENSG00000184787
##          0          0          0          0          6889
## ENSG00000184900 ENSG00000183255 ENSG00000160255 ENSG00000160256 ENSG00000197381
##          7688          36882          8          1104          3067
## ENSG00000186866 ENSG00000182871 ENSG00000173638 ENSG00000183570 ENSG00000142156
##          12499          43293          1829          482          311275
## ENSG00000142173 ENSG00000160282 ENSG00000160284 ENSG00000160285 ENSG00000160294
##          310920          34          1046          9362          10775
## ENSG00000182362 ENSG00000160298 ENSG00000160299 ENSG00000160305 ENSG00000160307
##          718          316          4358          3808          0
## ENSG00000160310 ENSG00000198888 ENSG00000198763 ENSG00000198804 ENSG00000198712
##          7754          148984          139615          907247          403200
## ENSG00000228253 ENSG00000198899 ENSG00000198938 ENSG00000198840 ENSG00000212907
##          51515          312082          400678          33202          71330
## ENSG00000198886 ENSG00000198786 ENSG00000198695 ENSG00000198727 ENSG00000274175
##          610441          293037          93767          208079          0
## ENSG00000275869 ENSG00000273554 ENSG00000278782 ENSG00000277761 ENSG00000277836
##          0          6          0          0          0
## ENSG00000277666 ENSG00000276760 ENSG00000275249 ENSG00000274792 ENSG00000278704
##          0          0          0          0          1
## ENSG00000277400 ENSG00000274847 ENSG00000273496 ENSG00000276256 ENSG00000278198
##          1          0          0          567          5
## ENSG00000273748 ENSG00000276017 ENSG00000278817 ENSG00000277196 ENSG00000277630
##          216          0          15          0          0
## ENSG00000278384 ENSG00000278633 ENSG00000276345 ENSG00000277856 ENSG00000275063
##          7          0          445          0          0
## ENSG00000271254 ENSG00000277475 ENSG00000268674
##          1080          0          0

```

```

# Filter count data where you have 0 read count across all samples.
countData = countData[rowSums(countData) != 0, ]
head(countData)

```

```

##          SRR493366 SRR493367 SRR493368 SRR493369 SRR493370 SRR493371
## ENSG00000279457          23          28          29          29          28          46
## ENSG00000187634          124          123          205          207          212          258
## ENSG00000188976          1637          1831          2383          1226          1326          1504
## ENSG00000187961          120          153          180          236          255          357
## ENSG00000187583          24          48          65          44          48          64
## ENSG00000187642          4          9          16          14          16          16

```

Running DESeq2

```
dds = DESeqDataSetFromMatrix(countData=countData,  
                              colData=colData,  
                              design=~condition)
```

```
## Warning in DESeqDataSet(se, design = design, ignoreRank): some variables in  
## design formula are characters, converting to factors
```

```
dds = DESeq(dds)
```

```
## estimating size factors
```

```
## estimating dispersions
```

```
## gene-wise dispersion estimates
```

```
## mean-dispersion relationship
```

```
## final dispersion estimates
```

```
## fitting model and testing
```

```
dds
```

```
## class: DESeqDataSet  
## dim: 15975 6  
## metadata(1): version  
## assays(4): counts mu H cooks  
## rownames(15975): ENSG00000279457 ENSG00000187634 ... ENSG00000276345  
##      ENSG00000271254  
## rowData names(22): baseMean baseVar ... deviance maxCooks  
## colnames(6): SRR493366 SRR493367 ... SRR493370 SRR493371  
## colData names(2): condition sizeFactor
```

Results for HoxA1 knockdown vs. control siRNA

```
res = results(dds, contrast=c("condition", "hoxa1_kd", "control_siRNA"))
```

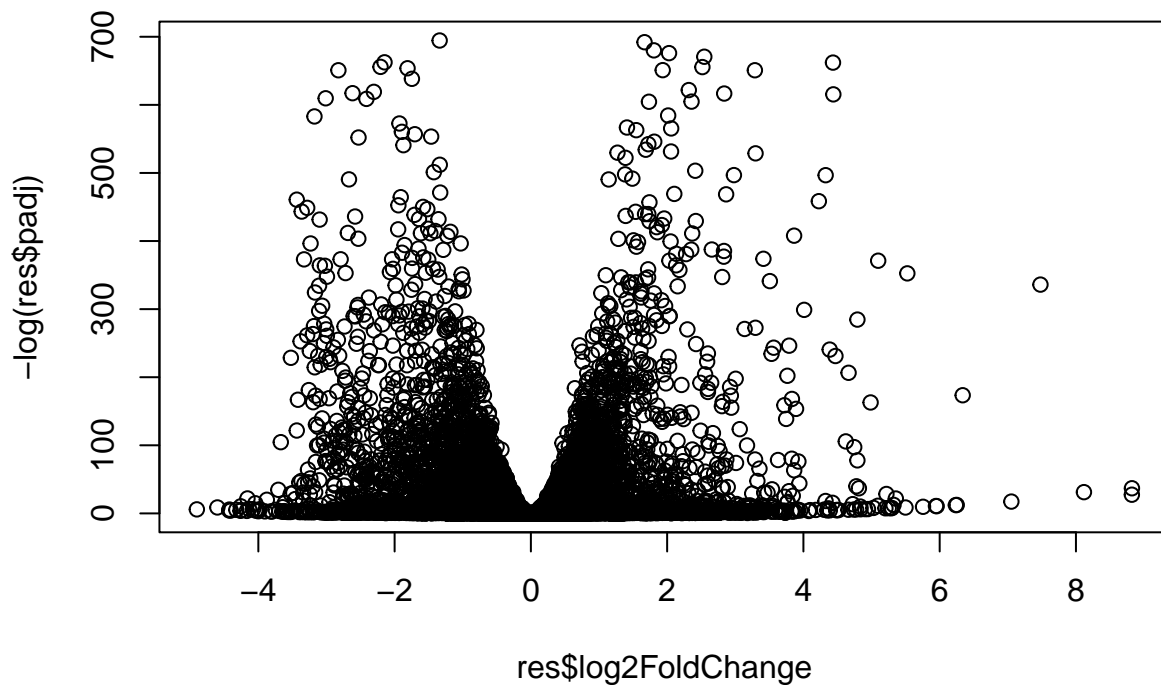
Q3. Call the `summary()` function on your results to get a sense of how many genes are up or down-regulated at the default 0.1 p-value cutoff.

```
summary(res)
```

```
##  
## out of 15975 with nonzero total read count  
## adjusted p-value < 0.1  
## LFC > 0 (up)      : 4349, 27%  
## LFC < 0 (down)    : 4396, 28%  
## outliers [1]      : 0, 0%  
## low counts [2]     : 1237, 7.7%  
## (mean count < 0)  
## [1] see 'cooksCutoff' argument of ?results  
## [2] see 'independentFiltering' argument of ?results
```

Volcano Plot

```
plot( res$log2FoldChange, -log(res$padj) )
```



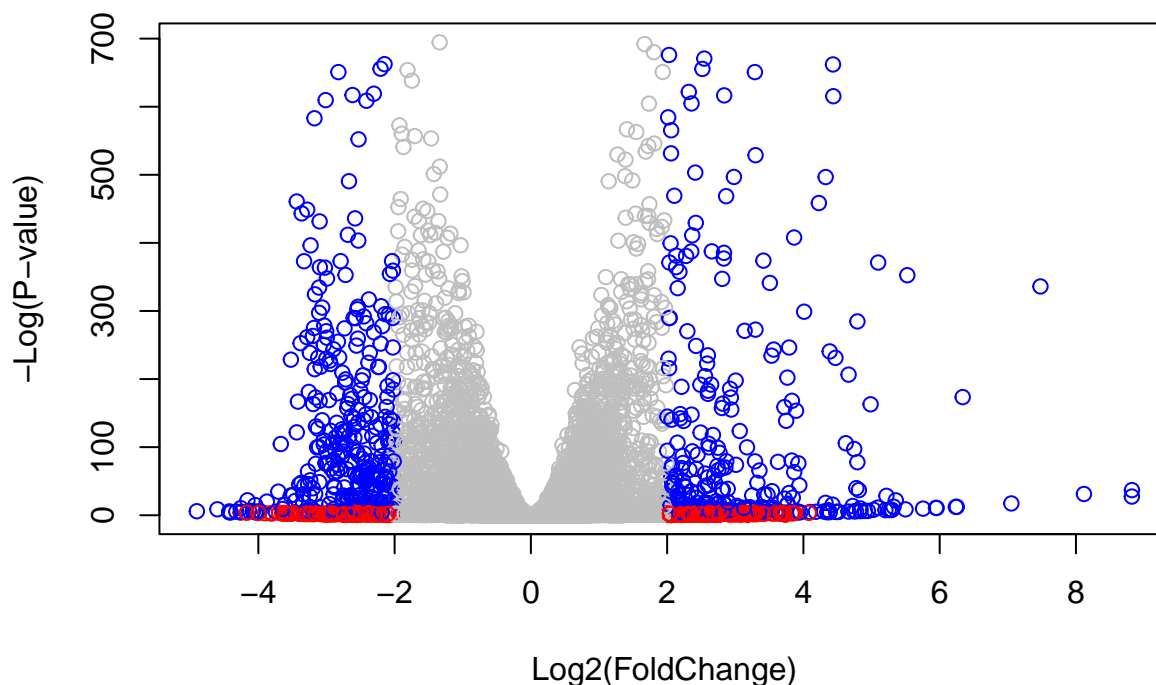
Q4. Improve this plot by completing the below code, which adds color and axis labels

```
# Make a color vector for all genes
mycols <- rep("gray", nrow(res) )

# Color red the genes with absolute fold change above 2
mycols[ abs(res$log2FoldChange) > 2 ] <- "red"

# Color blue those with adjusted p-value less than 0.01
# and absolute fold change more than 2
inds <- (res$pvalue < 0.01) & (abs(res$log2FoldChange) > 2 )
mycols[ inds ] <- "blue"

plot( res$log2FoldChange, -log(res$padj), col=mycols, xlab="Log2(FoldChange)", ylab="-Log(P-value)" )
```

Adding Gene Annotation

Q5. Use the `mapIds()` function multiple times to add SYMBOL, ENTREZID and GENENAME annotation to our results by completing the code below.

```
library("AnnotationDbi")
library("org.Hs.eg.db")
```

```
##
```

```
columns(org.Hs.eg.db)
```

```
## [1] "ACCNUM"      "ALIAS"       "ENSEMBL"     "ENSEMBLPROT" "ENSEMBLTRANS"
## [6] "ENTREZID"    "ENZYME"      "EVIDENCE"     "EVIDENCEALL"  "GENENAME"
## [11] "GENETYPE"    "GO"          "GOALL"        "IPI"          "MAP"
## [16] "OMIM"        "ONTOLOGY"    "ONTOLOGYALL"  "PATH"         "PFAM"
## [21] "PMID"        "PROSITE"     "REFSEQ"       "SYMBOL"       "UCSCKG"
## [26] "UNIPROT"
```

```
res$symbol = mapIds(org.Hs.eg.db,
                    keys=row.names(res),
                    keytype="ENSEMBL",
                    column="SYMBOL",
                    multiVals="first")
```

```
## 'select()' returned 1:many mapping between keys and columns
```

```
res$entrez = mapIds(org.Hs.eg.db,  
                    keys=row.names(res),  
                    keytype="ENSEMBL",  
                    column="ENTREZID",  
                    multiVals="first")
```

```
## 'select()' returned 1:many mapping between keys and columns
```

```
res$name = mapIds(org.Hs.eg.db,  
                  keys=row.names(res),  
                  keytype="ENSEMBL",  
                  column="GENENAME",  
                  multiVals="first")
```

```
## 'select()' returned 1:many mapping between keys and columns
```

```
head(res, 10)
```

```
## log2 fold change (MLE): condition hoxa1_kd vs control_sirna
```

```
## Wald test p-value: condition hoxa1 kd vs control sirna
```

```
## DataFrame with 10 rows and 9 columns
```

##	baseMean	log2FoldChange	lfcSE	stat	pvalue
##	<numeric>	<numeric>	<numeric>	<numeric>	<numeric>
## ENSG00000279457	29.913579	0.1792571	0.3248216	0.551863	5.81042e-01
## ENSG00000187634	183.229650	0.4264571	0.1402658	3.040350	2.36304e-03
## ENSG00000188976	1651.188076	-0.6927205	0.0548465	-12.630158	1.43990e-36
## ENSG00000187961	209.637938	0.7297556	0.1318599	5.534326	3.12428e-08
## ENSG00000187583	47.255123	0.0405765	0.2718928	0.149237	8.81366e-01
## ENSG00000187642	11.979750	0.5428105	0.5215598	1.040744	2.97994e-01
## ENSG00000188290	108.922128	2.0570638	0.1969053	10.446970	1.51282e-25
## ENSG00000187608	350.716868	0.2573837	0.1027266	2.505522	1.22271e-02
## ENSG00000188157	9128.439422	0.3899088	0.0467163	8.346304	7.04321e-17
## ENSG00000237330	0.158192	0.7859552	4.0804729	0.192614	8.47261e-01
##	padj	symbol	entrez	name	
##	<numeric>	<character>	<character>	<character>	
## ENSG00000279457	6.86555e-01	WASH9P	102723897	WAS protein family h..	
## ENSG00000187634	5.15718e-03	SAMD11	148398	sterile alpha motif ..	
## ENSG00000188976	1.76549e-35	NOC2L	26155	NOC2 like nucleolar ..	
## ENSG00000187961	1.13413e-07	KLHL17	339451	kelch like family me..	
## ENSG00000187583	9.19031e-01	PLEKHN1	84069	pleckstrin homology ..	
## ENSG00000187642	4.03379e-01	PERM1	84808	PPARGC1 and ESRR ind..	
## ENSG00000188290	1.30538e-24	HES4	57801	hes family bHLH tran..	
## ENSG00000187608	2.37452e-02	ISG15	9636	ISG15 ubiquitin like..	
## ENSG00000188157	4.21963e-16	AGRN	375790	agrin	
## ENSG00000237330	NA	RNF223	401934	ring finger protein ..	

Q6. Finally for this section let's reorder these results by adjusted p-value and save them to a CSV file in your current project directory.

```
res = res[order(res$pvalue),]
write.csv(res, "deseq_results.csv")
```

Pathway Analysis

KEGG Pathways

```
library(pathview)
```

```
## #####
## Pathview is an open source software package distributed under GNU General
## Public License version 3 (GPLv3). Details of GPLv3 is available at
## http://www.gnu.org/licenses/gpl-3.0.html. Particullary, users are required to
## formally cite the original Pathview paper (not just mention it) in publications
## or products. For details, do citation("pathview") within R.
##
## The pathview downloads and uses KEGG data. Non-academic uses may require a KEGG
## license agreement (details at http://www.kegg.jp/kegg/legal.html).
## #####
```

```
library(gage)
```

```
##
```

```
library(gageData)
```

```
data(kegg.sets.hs)
data(sigmet.idx.hs)
```

```
# Focus on signaling and metabolic pathways only
kegg.sets.hs = kegg.sets.hs[sigmet.idx.hs]
```

```
# Examine the first 3 pathways
head(kegg.sets.hs, 3)
```

```
## $'hsa00232 Caffeine metabolism'
## [1] "10" "1544" "1548" "1549" "1553" "7498" "9"
##
## $'hsa00983 Drug metabolism - other enzymes'
## [1] "10" "1066" "10720" "10941" "151531" "1548" "1549" "1551"
## [9] "1553" "1576" "1577" "1806" "1807" "1890" "221223" "2990"
## [17] "3251" "3614" "3615" "3704" "51733" "54490" "54575" "54576"
## [25] "54577" "54578" "54579" "54600" "54657" "54658" "54659" "54963"
## [33] "574537" "64816" "7083" "7084" "7172" "7363" "7364" "7365"
## [41] "7366" "7367" "7371" "7372" "7378" "7498" "79799" "83549"
## [49] "8824" "8833" "9" "978"
##
## $'hsa00230 Purine metabolism'
```

```
## [1] "100" "10201" "10606" "10621" "10622" "10623" "107" "10714"
## [9] "108" "10846" "109" "111" "11128" "11164" "112" "113"
## [17] "114" "115" "122481" "122622" "124583" "132" "158" "159"
## [25] "1633" "171568" "1716" "196883" "203" "204" "205" "221823"
## [33] "2272" "22978" "23649" "246721" "25885" "2618" "26289" "270"
## [41] "271" "27115" "272" "2766" "2977" "2982" "2983" "2984"
## [49] "2986" "2987" "29922" "3000" "30833" "30834" "318" "3251"
## [57] "353" "3614" "3615" "3704" "377841" "471" "4830" "4831"
## [65] "4832" "4833" "4860" "4881" "4882" "4907" "50484" "50940"
## [73] "51082" "51251" "51292" "5136" "5137" "5138" "5139" "5140"
## [81] "5141" "5142" "5143" "5144" "5145" "5146" "5147" "5148"
## [89] "5149" "5150" "5151" "5152" "5153" "5158" "5167" "5169"
## [97] "51728" "5198" "5236" "5313" "5315" "53343" "54107" "5422"
## [105] "5424" "5425" "5426" "5427" "5430" "5431" "5432" "5433"
## [113] "5434" "5435" "5436" "5437" "5438" "5439" "5440" "5441"
## [121] "5471" "548644" "55276" "5557" "5558" "55703" "55811" "55821"
## [129] "5631" "5634" "56655" "56953" "56985" "57804" "58497" "6240"
## [137] "6241" "64425" "646625" "654364" "661" "7498" "8382" "84172"
## [145] "84265" "84284" "84618" "8622" "8654" "87178" "8833" "9060"
## [153] "9061" "93034" "953" "9533" "954" "955" "956" "957"
## [161] "9583" "9615"
```

Used mapIDs() to get Entrez gene IDs and fold change results from DESeq2 analysis.

```
foldchanges = res$log2FoldChange
names(foldchanges) = res$entrez
head(foldchanges)
```

```
##      1266      54855      1465      51232      2034      2317
## -2.422719  3.201955 -2.313738 -2.059631 -1.888019 -1.649792
```

Get the results and look at the object returned from gage().

```
keggres = gage(foldchanges, gsets=kegg.sets.hs)
attributes(keggres)
```

```
## $names
## [1] "greater" "less" "stats"
```

```
# Look at the first few down (less) pathways
head(keggres$less)
```

```
##                p.geomean stat.mean      p.val
## hsa04110 Cell cycle      8.995727e-06 -4.378644 8.995727e-06
## hsa03030 DNA replication  9.424076e-05 -3.951803 9.424076e-05
## hsa03013 RNA transport   1.375901e-03 -3.028500 1.375901e-03
## hsa03440 Homologous recombination 3.066756e-03 -2.852899 3.066756e-03
## hsa04114 Oocyte meiosis   3.784520e-03 -2.698128 3.784520e-03
## hsa00010 Glycolysis / Gluconeogenesis 8.961413e-03 -2.405398 8.961413e-03
##                q.val set.size      exp1
## hsa04110 Cell cycle      0.001448312      121 8.995727e-06
```

```
## hsa03030 DNA replication          0.007586381      36 9.424076e-05
## hsa03013 RNA transport            0.073840037     144 1.375901e-03
## hsa03440 Homologous recombination 0.121861535      28 3.066756e-03
## hsa04114 Oocyte meiosis           0.121861535     102 3.784520e-03
## hsa00010 Glycolysis / Gluconeogenesis 0.212222694     53 8.961413e-03
```

Make a pathway plot with RNA-Seq expression results with pathview().

```
pathview(gene.data=foldchanges, pathway.id="hsa04110")
```

```
## 'select()' returned 1:1 mapping between keys and columns
```

```
## Info: Working in directory /Users/admin/Documents/college/class12
```

```
## Info: Writing image file hsa04110.pathview.png
```

PDF graph

```
pathview(gene.data=foldchanges, pathway.id="hsa04110", kegg.native=FALSE)
```

```
## 'select()' returned 1:1 mapping between keys and columns
```

```
## Info: Working in directory /Users/admin/Documents/college/class12
```

```
## Info: Writing image file hsa04110.pathview.pdf
```

```
## Focus on top 5 upregulated pathways here for demo purposes only
keggrespathways <- rownames(keggres$greater)[1:5]
```

```
# Extract the 8 character long IDs part of each string
keggresids = substr(keggrespathways, start=1, stop=8)
keggresids
```

```
## [1] "hsa04640" "hsa04630" "hsa00140" "hsa04142" "hsa04330"
```

Draw plots for all top 5 pathways

```
pathview(gene.data=foldchanges, pathway.id=keggresids, species="hsa")
```

```
## 'select()' returned 1:1 mapping between keys and columns
```

```
## Info: Working in directory /Users/admin/Documents/college/class12
```

```
## Info: Writing image file hsa04640.pathview.png
```

```
## 'select()' returned 1:1 mapping between keys and columns
```

```
## Info: Working in directory /Users/admin/Documents/college/class12
```

```
## Info: Writing image file hsa04630.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa00140.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa04142.pathview.png

## Info: some node width is different from others, and hence adjusted!

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa04330.pathview.png
```

Q7. Can you do the same procedure as above to plot the pathview figures for the top 5 down-regulated pathways?

Yes

```
## Focus on top 5 downregulated pathways
keggresless <- rownames(keggres$less)[1:5]

# Extract the 8 character long IDs part of each string
keggresidsLess = substr(keggresless, start=1, stop=8)
keggresidsLess

## [1] "hsa04110" "hsa03030" "hsa03013" "hsa03440" "hsa04114"

pathview(gene.data=foldchanges, pathway.id=keggresidsLess, species="hsa")

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa04110.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12
```

```
## Info: Writing image file hsa03030.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa03013.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa03440.pathview.png

## 'select()' returned 1:1 mapping between keys and columns

## Info: Working in directory /Users/admin/Documents/college/class12

## Info: Writing image file hsa04114.pathview.png
```

Gene Ontology

```
data(go.sets.hs)
data(go.subs.hs)

# Focus on Biological Process subset of GO
gobpsets = go.sets.hs[go.subs.hs$BP]

gobpres = gage(foldchanges, gsets=gobpsets, same.dir=TRUE)

lapply(gobpres, head)
```

```
## $greater
##
##          p.geomean stat.mean      p.val
## GO:0007156 homophilic cell adhesion      8.519724e-05 3.824205 8.519724e-05
## GO:0002009 morphogenesis of an epithelium 1.396681e-04 3.653886 1.396681e-04
## GO:0048729 tissue morphogenesis      1.432451e-04 3.643242 1.432451e-04
## GO:0007610 behavior      2.195494e-04 3.530241 2.195494e-04
## GO:0060562 epithelial tube morphogenesis 5.932837e-04 3.261376 5.932837e-04
## GO:0035295 tube development      5.953254e-04 3.253665 5.953254e-04
##
##          q.val set.size      exp1
## GO:0007156 homophilic cell adhesion      0.1951953      113 8.519724e-05
## GO:0002009 morphogenesis of an epithelium 0.1951953      339 1.396681e-04
## GO:0048729 tissue morphogenesis      0.1951953      424 1.432451e-04
## GO:0007610 behavior      0.2243795      427 2.195494e-04
## GO:0060562 epithelial tube morphogenesis 0.3711390      257 5.932837e-04
## GO:0035295 tube development      0.3711390      391 5.953254e-04
##
## $less
```

```
##                p.geomean stat.mean      p.val
## G0:0048285 organelle fission 1.536227e-15 -8.063910 1.536227e-15
## G0:0000280 nuclear division 4.286961e-15 -7.939217 4.286961e-15
## G0:0007067 mitosis 4.286961e-15 -7.939217 4.286961e-15
## G0:0000087 M phase of mitotic cell cycle 1.169934e-14 -7.797496 1.169934e-14
## G0:0007059 chromosome segregation 2.028624e-11 -6.878340 2.028624e-11
## G0:0000236 mitotic prometaphase 1.729553e-10 -6.695966 1.729553e-10
##                q.val set.size      exp1
## G0:0048285 organelle fission 5.841698e-12      376 1.536227e-15
## G0:0000280 nuclear division 5.841698e-12      352 4.286961e-15
## G0:0007067 mitosis 5.841698e-12      352 4.286961e-15
## G0:0000087 M phase of mitotic cell cycle 1.195672e-11      362 1.169934e-14
## G0:0007059 chromosome segregation 1.658603e-08      142 2.028624e-11
## G0:0000236 mitotic prometaphase 1.178402e-07      84 1.729553e-10
##
## $stats
##                stat.mean      exp1
## G0:0007156 homophilic cell adhesion 3.824205 3.824205
## G0:0002009 morphogenesis of an epithelium 3.653886 3.653886
## G0:0048729 tissue morphogenesis 3.643242 3.643242
## G0:0007610 behavior 3.530241 3.530241
## G0:0060562 epithelial tube morphogenesis 3.261376 3.261376
## G0:0035295 tube development 3.253665 3.253665
```

Reactome Analysis

```
sig_genes <- res[res$padj <= 0.05 & !is.na(res$padj), "symbol"]
print(paste("Total number of significant genes:", length(sig_genes)))
```

```
## [1] "Total number of significant genes: 8147"
```

```
write.table(sig_genes, file="significant_genes.txt", row.names=FALSE, col.names=FALSE, quote=FALSE)
```

Q8. What pathway has the most significant “Entities p-value”? Do the most significant pathways listed match your previous KEGG results? What factors could cause differences between the two methods?

Endosomal/Vacuolar Pathway has the most significant “Entities p-value” being the lowest at 2.02E-4. It does not match the previous KEGG results since the KEGG results showed Cell Cycle being the most significant p-value. Cell cycle is second in the reactome analysis. The reason there are differences is because we focused on signaling and metabolic pathways only for KEGG.

GO Online

Q9. What pathway has the most significant “Entities p-value”? Do the most significant pathways listed match your previous KEGG results? What factors could cause differences between the two methods?

“detection of chemical stimulus involved in sensory perception” with a p-value of 6.17E-64. This does not match the KEGG that had cell cycle with the lowest p-value. I’m not sure what factors cause differences.