

Lab_Sasse.R

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```
counts <- read.csv("airway_scaledcounts.csv", row.names=1)
metadata <- read.csv("airway_metadata.csv")
head(counts)

##          SRR1039508 SRR1039509 SRR1039512 SRR1039513 SRR1039516
## ENSG000000000003    723      486      904      445     1170
## ENSG000000000005      0       0       0       0       0
## ENSG00000000419     467      523      616      371     582
## ENSG00000000457     347      258      364      237     318
## ENSG00000000460      96       81       73       66     118
## ENSG00000000938      0       0       1       0       2
##          SRR1039517 SRR1039520 SRR1039521
## ENSG000000000003   1097      806      604
## ENSG000000000005      0       0       0
## ENSG00000000419     781      417      509
## ENSG00000000457     447      330      324
## ENSG00000000460      94      102      74
## ENSG00000000938      0       0       0

head(metadata)

##      id  dex celltype geo_id
## 1 SRR1039508 control N61311 GSM1275862
## 2 SRR1039509 treated N61311 GSM1275863
## 3 SRR1039512 control N052611 GSM1275866
## 4 SRR1039513 treated N052611 GSM1275867
## 5 SRR1039516 control N080611 GSM1275870
## 6 SRR1039517 treated N080611 GSM1275871

control <- metadata[metadata[, "dex"] == "control", ]
control.counts <- counts[, control$id]
control.mean <- rowSums(control.counts) / 4
head(control.mean)

## ENSG000000000003 ENSG000000000005 ENSG00000000419 ENSG00000000457 ENSG00000000460
##         900.75          0.00        520.50        339.75        97.25
## ENSG00000000938
##         0.75
```

```

treated <- metadata[metadata[, "dex"]=="treated",]
treated.mean <- rowSums( counts[,treated$id] )/4
names(treated.mean) <- counts$ensgene
head(treated.mean)

## [1] 658.00 0.00 546.00 316.50 78.75 0.00

meancounts <- data.frame(control.mean, treated.mean)
colSums(meancounts)

## control.mean treated.mean
##      23005324      22196524

plot(meancounts[,1],meancounts[,2], log = "xy", xlab="Control", ylab="Treated")

## Warning in xy.coords(x, y, xlabel, ylabel, log): 15032 x values <= 0 omitted
## from logarithmic plot

## Warning in xy.coords(x, y, xlabel, ylabel, log): 15281 y values <= 0 omitted
## from logarithmic plot

meancounts$log2fc <- log2(meancounts[, "treated.mean"]/meancounts[, "control.mean"])
head(meancounts)

##           control.mean treated.mean      log2fc
## ENSG00000000003     900.75    658.00 -0.45303916
## ENSG00000000005      0.00     0.00       NaN
## ENSG00000000419     520.50    546.00  0.06900279
## ENSG00000000457     339.75    316.50 -0.10226805
## ENSG00000000460      97.25     78.75 -0.30441833
## ENSG00000000938      0.75     0.00      -Inf

zero.vals <- which(meancounts[,1:2]==0, arr.ind=TRUE)

to.rm <- unique(zero.vals[,1])
mycounts <- meancounts[-to.rm,]
head(mycounts)

##           control.mean treated.mean      log2fc
## ENSG00000000003     900.75    658.00 -0.45303916
## ENSG00000000419     520.50    546.00  0.06900279
## ENSG00000000457     339.75    316.50 -0.10226805
## ENSG00000000460      97.25     78.75 -0.30441833
## ENSG00000000971    5219.00   6687.50  0.35769358
## ENSG00000001036    2327.00   1785.75 -0.38194109

up.ind <- mycounts$log2fc > 2
down.ind <- mycounts$log2fc < (-2)

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

##
## Attaching package: 'IRanges'

## The following object is masked from 'package:grDevices':
## 
##     windows

## 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, colAvgsPerRowSet, 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, rowAvgsPerColSet,
##   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

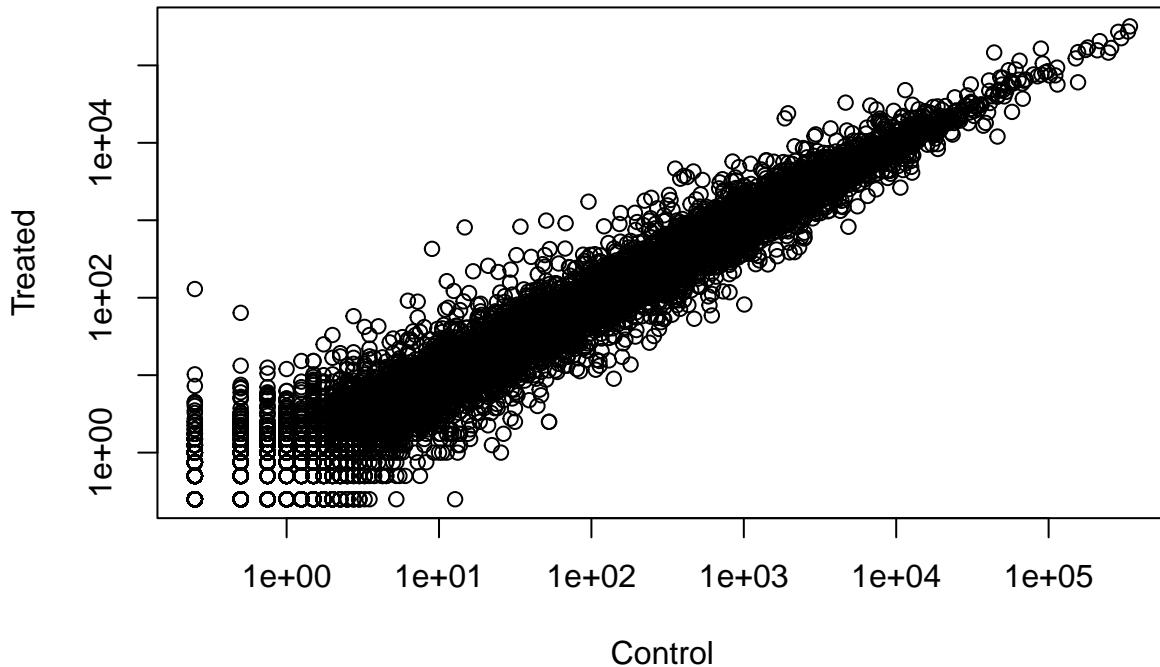
## Welcome to Bioconductor
##
##   Vignettes contain introductory material; view with
##   'browseVignettes()'. To cite Bioconductor, see
##   'citation("Biobase")', and for packages 'citation("pkgname")'.

##
## Attaching package: 'Biobase'

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

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

```



```
citation("DESeq2")
```

```
##
## Love, M.I., Huber, W., Anders, S. Moderated estimation of fold change
## and dispersion for RNA-seq data with DESeq2 Genome Biology 15(12):550
## (2014)
##
## A BibTeX entry for LaTeX users is
##
## @Article{,
##   title = {Moderated estimation of fold change and dispersion for RNA-seq data with DESeq2},
##   author = {Michael I. Love and Wolfgang Huber and Simon Anders},
##   year = {2014},
##   journal = {Genome Biology},
##   doi = {10.1186/s13059-014-0550-8},
##   volume = {15},
##   issue = {12},
##   pages = {550},
## }
```

```
dds <- DESeqDataSetFromMatrix(countData=counts,
                               colData=metadata,
                               design=~dex)
```

```
## converting counts to integer mode
```

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

dds

```
## class: DESeqDataSet
## dim: 38694 8
## metadata(1): version
## assays(1): counts
## rownames(38694): ENSG000000000003 ENSG000000000005 ... ENSG00000283120
##   ENSG00000283123
## rowData names(0):
## colnames(8): SRR1039508 SRR1039509 ... SRR1039520 SRR1039521
## colData names(4): id dex celltype geo_id
```

```
dds <- DESeq(dds)
```

```
## estimating size factors
```

```
## estimating dispersions
```

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

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

```
## final dispersion estimates
```

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

```
res <- results(dds)
```

res

```
## log2 fold change (MLE): dex treated vs control
```

Wald test p-value: dex treated vs control

```
## DataFrame with 38694 rows and 6 columns
```

```

##                                baseMean log2FoldChange      lfcSE      stat    pvalue
##                                <numeric>     <numeric> <numeric> <numeric> <numeric>
## ENSG000000000003    747.1942     -0.3507030  0.168246 -2.084470 0.0371175
## ENSG000000000005     0.0000      NA          NA          NA          NA
## ENSG000000000419    520.1342     0.2061078  0.101059  2.039475 0.0414026
## ENSG000000000457    322.6648     0.0245269  0.145145  0.168982 0.8658106
## ENSG000000000460    87.6826     -0.1471420  0.257007 -0.572521 0.5669691
## ...
##                                ...
##                                ...
## ENSG00000283115    0.000000      NA          NA          NA          NA
## ENSG00000283116    0.000000      NA          NA          NA          NA
## ENSG00000283119    0.000000      NA          NA          NA          NA
## ENSG00000283120    0.974916     -0.668258   1.69456  -0.394354 0.693319
## ENSG00000283123    0.000000      NA          NA          NA          NA
##                                padj
##                                <numeric>
## ENSG000000000003    0.163035

```

```

## ENSG00000000005      NA
## ENSG00000000419  0.176032
## ENSG00000000457  0.961694
## ENSG00000000460  0.815849
## ...
## ENSG00000283115      NA
## ENSG00000283116      NA
## ENSG00000283119      NA
## ENSG00000283120      NA
## ENSG00000283123      NA

as.data.frame(res)

##           baseMean log2FoldChange      lfcSE      stat
## ENSG00000000003 7.471942e+02 -0.3507030207 0.16824568 -2.084470e+00
## ENSG00000000005 0.000000e+00          NA          NA          NA
## ENSG00000000419 5.201342e+02  0.2061077664 0.10105922  2.039475e+00
## ENSG00000000457 3.226648e+02  0.0245269479 0.14514507  1.689823e-01
## ENSG00000000460 8.768263e+01 -0.1471420492 0.25700725 -5.725210e-01
## ENSG00000000938 3.191666e-01 -1.7322889739 3.49360098 -4.958463e-01
## ENSG00000000971 5.760148e+03  0.4592819058 0.23431163  1.960133e+00
## ENSG00000001036 2.025392e+03 -0.2282436884 0.12500531 -1.825872e+00
## ENSG00000001084 6.521733e+02 -0.2530307874 0.20257659 -1.249062e+00
## ENSG00000001167 4.116844e+02 -0.5337333966 0.22879146 -2.332838e+00
## ENSG00000001460 2.013366e+02 -0.1235563481 0.16111473 -7.668843e-01
## ENSG00000001461 2.918777e+03  0.0021015240 0.28870434  7.279156e-03
## ENSG00000001497 5.395017e+02 -0.0573211493 0.10934158 -5.242393e-01
## ENSG00000001561 1.159144e+02  0.2868166382 0.71597298  4.005970e-01
## ENSG00000001617 6.042975e+02 -0.1922028069 0.19869055 -9.673475e-01
## ENSG00000001626 9.672415e+00 -0.2863880653 0.58625860 -4.885013e-01
## ENSG00000001629 1.826758e+03 -0.2460911656 0.19039307 -1.292543e+00
## ENSG00000001630 9.796084e+02 -0.1797532493 0.12137986 -1.480915e+00
## ENSG00000001631 8.487238e+02 -0.0712550210 0.15365280 -4.637405e-01
## ENSG00000002016 2.037358e+02 -0.4115825958 0.22845504 -1.801591e+00
## ENSG00000002079 3.064849e+00  1.0611299455 1.77213593  5.987859e-01
## ENSG00000002330 6.886676e+02  0.0103246419 0.09642250  1.070771e-01
## ENSG00000002549 1.229985e+03  0.1643007287 0.17739559  9.261827e-01
## ENSG00000002586 8.367267e+03  0.0792894309 0.13164008  6.023198e-01
## ENSG00000002587 1.959533e+00  0.3990564427 1.15881068  3.443672e-01
## ENSG00000002726 1.535317e+00  0.8049396054 1.80336251  4.463549e-01
## ENSG00000002745 7.285619e+00 -0.6167558404 1.02005315 -6.046311e-01
## ENSG00000002746 1.261300e+02  0.1936812547 0.30834948  6.281225e-01
## ENSG00000002822 3.511523e+02 -0.0573898320 0.15003412 -3.825119e-01
## ENSG00000002834 8.609183e+03  0.4168750554 0.10829698  3.849369e+00
## ENSG00000002919 2.515001e+02  0.3419736699 0.14433878  2.369243e+00
## ENSG00000002933 5.464414e+02  0.4044664984 1.40062631  2.887755e-01
## ENSG00000003056 1.837968e+03 -0.0077018769 0.10038943 -7.672000e-02
## ENSG00000003096 4.140753e+02 -0.9645786293 0.19174190 -5.030609e+00
## ENSG00000003137 1.065064e+02 -1.0307763291 0.58307441 -1.767830e+00
## ENSG00000003147 9.331886e+00  0.2549115048 0.57050528  4.468171e-01
## ENSG00000003249 1.222421e+02 -0.3684979750 0.35331500 -1.042973e+00
## ENSG00000003393 8.608598e+02  0.0548919352 0.16683470  3.290199e-01
## ENSG00000003400 9.537116e+01 -0.1783989084 0.35460347 -5.030941e-01
## ENSG00000003402 3.368723e+03  1.1624995550 0.12613859  9.216050e+00

```

```

## ENSG00000003436 5.053341e+03 -0.3254436157 0.19941174 -1.632018e+00
## ENSG00000003509 3.028351e+02 -0.1008951483 0.12509011 -8.065798e-01
## ENSG00000003756 2.957874e+03 -0.1837678427 0.08050678 -2.282638e+00
## ENSG00000003987 3.026736e+01 0.7546871598 0.35081609 2.151233e+00
## ENSG00000003989 3.953984e+01 0.5869323491 0.73028158 8.037069e-01
## ENSG00000004059 1.684322e+03 0.3796897710 0.11419425 3.324946e+00
## ENSG00000004139 3.126434e+02 -0.0807770695 0.20499249 -3.940489e-01
## ENSG00000004142 1.468182e+03 0.1522879303 0.12737571 1.195581e+00
## ENSG00000004399 3.661965e+03 -0.0519472644 0.21722452 -2.391409e-01
## ENSG00000004455 1.236906e+03 -0.0918567972 0.16457779 -5.581360e-01
## ENSG00000004468 5.599360e+00 0.2415812808 0.81416077 2.967243e-01
## ENSG00000004478 6.124697e+02 -0.0030383219 0.16657000 -1.824051e-02
## ENSG00000004487 1.255800e+03 -0.3341055258 0.09603837 -3.478875e+00
## ENSG00000004534 1.306149e+03 -0.3035312551 0.15895952 -1.909488e+00
## ENSG00000004660 7.986542e+01 -0.6451761789 0.37810280 -1.706351e+00
## ENSG00000004700 1.510208e+03 0.4095532809 0.11916233 3.436936e+00
## ENSG00000004766 4.952126e+02 -0.1143566849 0.12994111 -8.800655e-01
## ENSG00000004776 1.252035e+04 -0.1545422242 0.24560466 -6.292316e-01
## ENSG00000004777 1.043955e+02 -0.4714330854 0.40942254 -1.151459e+00
## ENSG00000004779 3.663403e+02 0.1099034718 0.13652981 8.049779e-01
## ENSG00000004799 9.355593e+02 2.5596753142 0.91103141 2.809646e+00
## ENSG00000004809 1.409944e+00 0.0528321818 1.54297792 3.424040e-02
## ENSG00000004838 1.634345e+01 -0.9239366917 0.41150824 -2.245245e+00
## ENSG00000004846 2.207329e+01 -1.5899519445 0.64941153 -2.448296e+00
## ENSG00000004848 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000004864 1.523067e+02 0.0559735175 0.27460951 2.038295e-01
## ENSG00000004866 5.238843e+02 -0.6140816191 0.21208924 -2.895393e+00
## ENSG00000004897 1.680018e+03 -0.1618648234 0.10072810 -1.606948e+00
## ENSG00000004939 8.673571e+00 -0.6095514334 0.56708221 -1.074891e+00
## ENSG00000004948 0.000000e+00 NA NA NA
## ENSG00000004961 4.359632e+02 -0.1663621126 0.14178673 -1.173326e+00
## ENSG00000004975 1.003165e+03 -0.3467479403 0.16259980 -2.132524e+00
## ENSG00000005001 0.000000e+00 NA NA NA
## ENSG00000005007 2.286277e+03 0.2212872728 0.09419926 2.349140e+00
## ENSG00000005020 7.528197e+02 0.0733029403 0.15090459 4.857569e-01
## ENSG00000005022 1.300367e+03 -0.0771831248 0.11684545 -6.605574e-01
## ENSG00000005059 2.157444e+02 0.2233337526 0.25731117 8.679520e-01
## ENSG00000005073 4.249823e-01 -1.0793023664 2.58025388 -4.182931e-01
## ENSG00000005075 6.146566e+02 0.0987773493 0.16070670 6.146436e-01
## ENSG00000005100 5.023275e+02 0.3144318655 0.13084912 2.403011e+00
## ENSG00000005102 4.422626e-01 -2.1931163903 3.46383757 -6.331464e-01
## ENSG00000005108 1.250696e+01 0.9318254338 0.62389402 1.493564e+00
## ENSG00000005156 2.842016e+02 -0.3854730659 0.20430735 -1.886731e+00
## ENSG00000005175 3.474249e+02 -0.1991430102 0.28868916 -6.898181e-01
## ENSG00000005187 2.679250e+01 -0.3275064830 0.41245102 -7.940494e-01
## ENSG00000005189 7.903002e+01 -0.4398261936 0.27107268 -1.622540e+00
## ENSG00000005194 4.587509e+02 0.1280017363 0.16108891 7.946030e-01
## ENSG00000005206 6.874282e+02 0.1013182748 0.13940294 7.268016e-01
## ENSG00000005238 7.057332e+02 -0.2058234895 0.11532851 -1.784671e+00
## ENSG00000005243 9.939896e+02 -0.1065689775 0.18524856 -5.752756e-01
## ENSG00000005249 3.013369e+02 0.6602809610 0.22556674 2.927209e+00
## ENSG00000005302 4.699354e+02 0.1902868279 0.15905003 1.196396e+00
## ENSG00000005339 2.604140e+03 -0.1044013322 0.13577766 -7.689139e-01
## ENSG00000005379 1.589614e+02 0.1209416821 0.28487028 4.245500e-01

```

```

## ENSG00000005381 7.124085e+00    1.1701913415 1.30316102 8.979637e-01
## ENSG00000005421 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000005436 3.029673e+02    0.1569590652 0.13920988 1.127499e+00
## ENSG00000005448 2.342445e+02    0.2801551692 0.15830306 1.769739e+00
## ENSG00000005469 4.222325e+02   -0.2739937090 0.24391585 -1.123312e+00
## ENSG00000005471 3.328396e+01   -1.2291681161 0.50950042 -2.412497e+00
## ENSG00000005483 1.867573e+03    0.0138035781 0.13103040 1.053464e-01
## ENSG00000005486 8.564459e+02   -0.1517835268 0.18951571 -8.009021e-01
## ENSG00000005513 4.190251e+00   -0.6647391499 1.01931793 -6.521411e-01
## ENSG00000005700 5.794496e+02   -0.0875213503 0.13288029 -6.586481e-01
## ENSG00000005801 2.208193e+02   -0.2454593700 0.22106653 -1.110342e+00
## ENSG00000005810 2.862990e+03   -0.0627162846 0.12043529 -5.207467e-01
## ENSG00000005812 1.499030e+03    0.4085972798 0.17164259 2.380512e+00
## ENSG00000005844 3.219515e+00   -0.9388150553 1.14112424 -8.227106e-01
## ENSG00000005882 1.066407e+03   -0.1279211817 0.14563156 -8.783891e-01
## ENSG00000005884 1.294276e+03    0.3335346201 0.27637675 1.206811e+00
## ENSG00000005889 8.001155e+02    0.0162935634 0.22773426 7.154639e-02
## ENSG00000005893 5.133581e+03    0.0430752555 0.08266455 5.210850e-01
## ENSG00000005961 1.028825e+01   -0.6198226335 0.63719652 -9.727339e-01
## ENSG00000005981 6.436960e+00   -0.6296639937 0.79150357 -7.955289e-01
## ENSG00000006007 2.603735e+03    0.1807669128 0.14693924 1.230215e+00
## ENSG00000006015 3.869088e+02   -0.0531752738 0.32021505 -1.660611e-01
## ENSG00000006016 1.604523e+02    0.1921304699 0.49293951 3.897648e-01
## ENSG00000006025 1.604634e+02   -0.6525546020 0.31511414 -2.070852e+00
## ENSG00000006042 3.151110e+03    0.0090409605 0.09818480 9.208106e-02
## ENSG00000006047 6.738803e-01   -0.2882889928 2.11000865 -1.366293e-01
## ENSG00000006059 0.000000e+00      NA          NA          NA
## ENSG00000006062 2.582688e+02   -0.5841877425 0.27324725 -2.137946e+00
## ENSG00000006071 0.000000e+00      NA          NA          NA
## ENSG00000006116 4.506847e-01   -1.0155713843 3.11297552 -3.262382e-01
## ENSG00000006118 4.589854e+02   -0.5498880364 0.22108725 -2.487199e+00
## ENSG00000006125 6.730779e+03    0.0802578614 0.10852783 7.395141e-01
## ENSG00000006128 6.612807e-01    1.9624770000 3.45793653 5.675283e-01
## ENSG00000006194 5.516352e+02    0.1116901232 0.10259012 1.088703e+00
## ENSG00000006210 1.588410e+01    0.9502798690 0.61316964 1.549783e+00
## ENSG00000006282 1.394309e+03   -0.1069815308 0.16855865 -6.346843e-01
## ENSG00000006283 6.136423e+01   -1.1734754984 0.46120991 -2.544341e+00
## ENSG00000006327 5.872592e+02   -0.1461044644 0.32130706 -4.547191e-01
## ENSG00000006377 1.862932e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000006432 6.995032e+00   -0.2185639563 0.73520275 -2.972839e-01
## ENSG00000006451 1.108164e+03   -0.5691794335 0.21067152 -2.701739e+00
## ENSG00000006453 2.129288e+02   -0.2737789301 0.15763794 -1.736758e+00
## ENSG00000006459 4.108858e+02    0.0056016773 0.31242350 1.792976e-02
## ENSG00000006468 2.101792e+02    0.0486120622 0.40614475 1.196915e-01
## ENSG00000006530 2.778875e+02    0.0331563103 0.20143221 1.646028e-01
## ENSG00000006534 1.145462e+03    0.4279165220 0.26282550 1.628139e+00
## ENSG00000006555 4.767083e+00   -0.6105800023 0.81152336 -7.523875e-01
## ENSG00000006576 1.076374e+03   -0.4165877615 0.19587124 -2.126845e+00
## ENSG00000006606 4.014544e+00   -0.4339578809 0.89938540 -4.825049e-01
## ENSG00000006607 9.579919e+02    0.5958619253 0.15505366 3.842940e+00
## ENSG00000006611 0.000000e+00      NA          NA          NA
## ENSG00000006625 1.773044e+02   -0.1087192182 0.25133888 -4.325603e-01
## ENSG00000006634 9.284294e+01   -0.4483479044 0.29781873 -1.505439e+00
## ENSG00000006638 6.409291e+01   -0.4852514011 0.29399381 -1.650550e+00

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## ENSG00000006652 1.086508e+03 -0.0509940199 0.21867114 -2.331996e-01
## ENSG00000006659 1.437785e+00 -0.4858081541 1.54326977 -3.147915e-01
## ENSG00000006695 1.815415e+02 0.1961252143 0.20280061 9.670839e-01
## ENSG00000006704 2.916074e+02 -0.0413723900 0.23541943 -1.757391e-01
## ENSG00000006712 1.114822e+03 -0.2389319138 0.12979646 -1.840820e+00
## ENSG00000006715 2.208492e+03 -0.1396043254 0.13420635 -1.040221e+00
## ENSG00000006740 4.337970e+01 -0.0199689504 0.37971767 -5.258894e-02
## ENSG00000006744 9.389004e+02 0.2517167493 0.15381742 1.636464e+00
## ENSG00000006747 2.773605e+01 0.2034228738 0.48747882 4.172958e-01
## ENSG00000006756 5.454143e+02 -0.0147901885 0.15886498 -9.309911e-02
## ENSG00000006757 1.689590e+02 -0.0157237740 0.15407606 -1.020520e-01
## ENSG00000006788 1.120240e+01 2.9551956651 1.06558260 2.773314e+00
## ENSG00000006831 1.095781e+03 0.2438693981 0.09320192 2.616570e+00
## ENSG00000006837 7.536756e+01 -0.1481901964 0.31341525 -4.728238e-01
## ENSG00000007001 2.003237e+00 -0.2843341129 1.40169857 -2.028497e-01
## ENSG00000007038 8.873810e-01 0.6079412165 1.95110339 3.115884e-01
## ENSG00000007047 8.138329e+02 -0.0377195318 0.17511768 -2.153953e-01
## ENSG00000007062 2.456267e+00 -0.5524537652 1.02526596 -5.388395e-01
## ENSG00000007080 6.629551e+02 0.2442438032 0.15882502 1.537817e+00
## ENSG00000007129 0.000000e+00 NA NA NA
## ENSG00000007168 3.974858e+03 0.0515659544 0.10363724 4.975620e-01
## ENSG00000007171 1.482517e+00 -0.5383634845 1.78169944 -3.021629e-01
## ENSG00000007174 2.701672e+00 0.3837796389 1.02562238 3.741919e-01
## ENSG00000007202 6.545037e+03 0.0244029371 0.09202265 2.651840e-01
## ENSG00000007216 0.000000e+00 NA NA NA
## ENSG00000007237 4.251122e+02 -0.8957749197 0.96066907 -9.324490e-01
## ENSG00000007255 1.304520e+02 0.2703066758 0.24208550 1.116575e+00
## ENSG00000007264 2.943259e+00 0.1300295409 0.93463848 1.391228e-01
## ENSG00000007306 0.000000e+00 NA NA NA
## ENSG00000007312 2.077333e+00 0.6273556553 1.53120650 4.097133e-01
## ENSG00000007314 7.799542e-01 -0.6843934560 2.03068598 -3.370257e-01
## ENSG00000007341 2.816754e+02 0.2155431201 0.24129714 8.932684e-01
## ENSG00000007350 0.000000e+00 NA NA NA
## ENSG00000007372 4.045403e+01 0.2048259923 0.51586417 3.970541e-01
## ENSG00000007376 2.584610e+02 0.1203418502 0.19998499 6.017544e-01
## ENSG00000007384 1.823388e+03 0.0868116045 0.15063912 5.762886e-01
## ENSG00000007392 6.868731e+02 -0.1038534779 0.11015967 -9.427541e-01
## ENSG00000007402 2.379639e+01 0.7395365180 0.51913732 1.424549e+00
## ENSG00000007516 1.120108e+01 -0.2116449773 0.70715276 -2.992917e-01
## ENSG00000007520 5.805605e+02 0.0714336082 0.15065644 4.741491e-01
## ENSG00000007541 6.535463e+02 0.2217480137 0.16469730 1.346397e+00
## ENSG00000007545 6.227685e+02 0.1667684036 0.15764247 1.057890e+00
## ENSG00000007866 1.620522e+03 0.5539344614 0.15683240 3.532016e+00
## ENSG00000007908 0.000000e+00 NA NA NA
## ENSG00000007923 9.774395e+02 -0.0384290794 0.14772438 -2.601404e-01
## ENSG00000007933 8.778057e+02 0.3139960937 0.97877238 3.208060e-01
## ENSG00000007944 3.452867e+02 -0.4897898647 0.15232264 -3.215476e+00
## ENSG00000007952 1.016875e+01 0.8091284586 0.57399151 1.409652e+00
## ENSG00000007968 3.958491e+00 0.1626763360 0.81978308 1.984383e-01
## ENSG00000008018 1.517718e+03 0.0478484393 0.11093614 4.313152e-01
## ENSG00000008056 1.771670e+01 0.6760135652 0.45812473 1.475610e+00
## ENSG00000008083 3.050724e+02 0.4874598546 0.15193266 3.208394e+00
## ENSG00000008086 3.725371e+02 -0.1729352905 0.18903900 -9.148128e-01
## ENSG00000008118 6.947919e+00 -0.8613057079 0.79791701 -1.079443e+00

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## ENSG00000008128 5.638133e+02    0.1333687954 0.36860996 3.618155e-01
## ENSG00000008130 1.713632e+03    0.8301412612 0.15138529 5.483632e+00
## ENSG00000008196 1.084162e+00    -1.4031517241 2.31102921 -6.071545e-01
## ENSG00000008197 0.000000e+00      NA          NA          NA
## ENSG00000008226 8.162701e+00    -0.0171719477 0.77403692 -2.218492e-02
## ENSG00000008256 3.740924e+03    1.1968352109 0.20737453 5.771370e+00
## ENSG00000008277 1.931063e+01    -0.0241064269 0.47452964 -5.080068e-02
## ENSG00000008282 1.985332e+03    0.2868640941 0.13966274 2.053977e+00
## ENSG00000008283 5.265599e+02    0.0461205199 0.14084495 3.274560e-01
## ENSG00000008294 2.928308e+03    -0.1667987545 0.13559573 -1.230118e+00
## ENSG00000008300 9.628312e+01    0.5266173699 0.30273484 1.739533e+00
## ENSG00000008311 7.149263e+02    1.1378247500 0.18924033 6.012591e+00
## ENSG00000008323 1.100320e+01    0.4054441880 0.58404138 6.942046e-01
## ENSG00000008324 1.226405e+02    0.5703160635 0.25328689 2.251660e+00
## ENSG00000008382 1.588907e+02    0.1324238927 0.20562580 6.440043e-01
## ENSG00000008394 3.683627e+03    0.0040514565 0.37771433 1.072625e-02
## ENSG00000008405 2.861251e+02    0.0862976818 0.18746846 4.603317e-01
## ENSG00000008438 1.716017e+00    2.6957218615 1.61974088 1.664292e+00
## ENSG00000008441 1.103180e+04    -0.3126925936 0.14461724 -2.162208e+00
## ENSG00000008513 1.583371e+03    -0.5621394129 0.22585319 -2.488959e+00
## ENSG00000008516 2.390191e+01    -0.1782585323 0.48670631 -3.662548e-01
## ENSG00000008517 1.196076e+02    -0.9003359205 0.41563841 -2.166152e+00
## ENSG00000008710 5.182009e+03    0.4045398349 0.14597229 2.771347e+00
## ENSG00000008735 1.971006e+01    0.3784658882 0.43217698 8.757197e-01
## ENSG00000008838 1.158526e+03    -0.0257298841 0.12475394 -2.062451e-01
## ENSG00000008853 8.455716e+02    0.3642741249 0.17790283 2.047602e+00
## ENSG00000008869 7.155624e+02    0.1028133446 0.11236727 9.149759e-01
## ENSG00000008952 5.171567e+03    0.0829560960 0.14149493 5.862832e-01
## ENSG00000008988 1.095931e+04    -0.0290054281 0.14361167 -2.019712e-01
## ENSG00000009307 1.590241e+04    -0.0196345853 0.10249295 -1.915701e-01
## ENSG00000009335 2.127180e+03    0.1971937071 0.09319865 2.115843e+00
## ENSG00000009413 8.391069e+03    0.9692875762 0.15065568 6.433794e+00
## ENSG00000009694 1.012572e+01    1.2632019508 1.21706571 1.037908e+00
## ENSG00000009709 0.000000e+00      NA          NA          NA
## ENSG00000009724 3.899883e+01    -0.4477081517 0.27751933 -1.613250e+00
## ENSG00000009765 1.071748e+01    1.6031334628 0.94161797 1.702531e+00
## ENSG00000009780 1.768435e+02    0.4268217657 0.18871749 2.261697e+00
## ENSG00000009790 5.598237e+00    0.3273186556 0.70978296 4.611532e-01
## ENSG00000009830 4.295611e+02    0.1173865712 0.14267936 8.227299e-01
## ENSG00000009844 8.671462e+02    -0.1014317937 0.12732681 -7.966256e-01
## ENSG00000009950 6.899428e+00    0.6142524202 0.93043366 6.601786e-01
## ENSG00000009954 2.947570e+03    -0.0233654142 0.08333815 -2.803688e-01
## ENSG00000010017 2.202061e+03    0.7168726390 0.15681011 4.571597e+00
## ENSG00000010030 1.679789e+01    -0.6817432888 0.46646295 -1.461516e+00
## ENSG00000010072 1.757360e+02    -0.1791708898 0.19368282 -9.250737e-01
## ENSG00000010165 9.159045e+02    -0.0929638909 0.15992013 -5.813145e-01
## ENSG00000010219 2.368454e+02    -0.2590003666 0.14850911 -1.744003e+00
## ENSG00000010244 2.702513e+03    0.0627879153 0.17495377 3.588829e-01
## ENSG00000010256 1.811674e+03    0.4715295269 0.10435713 4.518422e+00
## ENSG00000010270 7.744963e+02    -0.0014924977 0.13511715 -1.104595e-02
## ENSG00000010278 3.819407e+03    0.5706011779 0.20651138 2.763050e+00
## ENSG00000010282 0.000000e+00      NA          NA          NA
## ENSG00000010292 1.249330e+03    0.0345543415 0.12325467 2.803491e-01
## ENSG00000010295 1.215357e+03    -0.0431413591 0.26904249 -1.603515e-01

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## ENSG00000010310 2.052833e+01 -0.5276784056 0.37160148 -1.420012e+00
## ENSG00000010318 7.547793e+01 0.1831988195 0.31584448 5.800286e-01
## ENSG00000010319 1.239063e+00 2.1181693671 2.26781524 9.340132e-01
## ENSG00000010322 2.572275e+03 -0.2593802627 0.10801878 -2.401252e+00
## ENSG00000010327 1.062931e+00 -1.6186945499 2.30236320 -7.030579e-01
## ENSG00000010361 2.462099e+02 0.1495597475 0.22958199 6.514437e-01
## ENSG00000010379 1.067612e+00 -1.3454399102 2.79922185 -4.806478e-01
## ENSG00000010404 2.898705e+03 0.1727289239 0.16712093 1.033557e+00
## ENSG00000010438 1.830579e+01 0.0996900360 0.65844494 1.514022e-01
## ENSG00000010539 1.438680e+02 0.0460198647 0.17390697 2.646235e-01
## ENSG00000010610 5.840954e+01 -0.2825551962 0.61689777 -4.580260e-01
## ENSG00000010626 1.486096e+02 -0.2881770527 0.17878692 -1.611846e+00
## ENSG00000010671 4.093775e-01 -1.0128167315 3.49346056 -2.899179e-01
## ENSG00000010704 4.653926e+02 -0.2615405843 0.16369669 -1.597715e+00
## ENSG00000010803 7.641997e+02 0.0288454603 0.10342176 2.789109e-01
## ENSG00000010810 1.686565e+03 -0.0111654689 0.19218004 -5.809901e-02
## ENSG00000010818 1.512045e+03 -0.3887245165 0.14821668 -2.622677e+00
## ENSG00000010932 2.892579e+01 0.5770857855 0.97478464 5.920136e-01
## ENSG00000011007 1.354042e+03 0.1574871678 0.10257624 1.535318e+00
## ENSG00000011009 4.683674e+02 0.1007914533 0.14087418 7.154715e-01
## ENSG00000011021 6.822270e+02 -0.0187689432 0.17551390 -1.069371e-01
## ENSG00000011028 1.688549e+04 -0.2378234513 0.13157698 -1.807485e+00
## ENSG00000011052 2.295452e+02 -0.5099449457 0.24197479 -2.107430e+00
## ENSG00000011083 3.989134e-01 -0.5091316996 3.22205928 -1.580144e-01
## ENSG00000011105 3.595369e+03 0.2249142947 0.19516701 1.152420e+00
## ENSG00000011114 6.102339e+02 0.0729947622 0.16640274 4.386632e-01
## ENSG00000011132 2.192485e+02 0.0401111633 0.16131457 2.486518e-01
## ENSG00000011143 1.600100e+02 -0.3001120197 0.18923125 -1.585954e+00
## ENSG00000011198 1.155153e+03 1.0969108370 0.20252165 5.416265e+00
## ENSG00000011201 4.410596e-01 -1.1319019174 3.15600110 -3.586507e-01
## ENSG00000011243 7.700806e+02 -0.1906182226 0.11266727 -1.691869e+00
## ENSG00000011258 3.704620e+02 -0.3161405481 0.15353535 -2.059073e+00
## ENSG00000011260 4.092214e+02 0.2039669601 0.17664329 1.154683e+00
## ENSG00000011275 1.712458e+03 -0.0147802030 0.09651313 -1.531419e-01
## ENSG00000011295 4.208790e+02 0.1224929861 0.11234036 1.090374e+00
## ENSG00000011304 3.616591e+03 0.3571861720 0.12476546 2.862861e+00
## ENSG00000011332 1.763042e+01 0.6566600706 0.60128703 1.092091e+00
## ENSG00000011347 1.511367e+02 -0.8653323766 0.27323647 -3.166972e+00
## ENSG00000011376 4.284697e+02 0.0035791356 0.16915308 2.115915e-02
## ENSG00000011405 1.544017e+03 0.2852833228 0.20469348 1.393710e+00
## ENSG00000011422 3.881879e+02 0.0699897690 0.14890643 4.700252e-01
## ENSG00000011426 2.435937e+02 -0.2467520086 0.21569136 -1.144005e+00
## ENSG00000011451 1.476903e+03 0.0886870996 0.12609055 7.033604e-01
## ENSG00000011454 2.339908e+03 0.4077168350 0.17080104 2.387086e+00
## ENSG00000011465 2.996844e+05 -0.1161128112 0.26365377 -4.403988e-01
## ENSG00000011478 1.481797e+02 0.7417452735 0.17647895 4.203024e+00
## ENSG00000011485 1.024182e+03 0.5416509883 0.13638063 3.971612e+00
## ENSG00000011523 8.421152e+02 0.1620870657 0.12087590 1.340938e+00
## ENSG00000011566 1.413925e+03 0.8132916084 0.21127866 3.849379e+00
## ENSG00000011590 3.128464e+00 -0.4225515423 1.53492313 -2.752917e-01
## ENSG00000011600 1.793509e+00 0.1541229434 1.75958377 8.759057e-02
## ENSG00000011638 8.665659e+02 0.1587542733 0.19641590 8.082557e-01
## ENSG00000011677 1.395062e+00 2.3432294165 1.53821463 1.523344e+00
## ENSG00000012048 2.411176e+02 -1.4035260870 0.15893125 -8.831026e+00

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## ENSG00000012061 1.120943e+03 -0.0766931614 0.17129204 -4.477334e-01
## ENSG00000012124 2.305560e+00 -1.3659965869 1.60423469 -8.514942e-01
## ENSG00000012171 1.278920e+03 -0.6951359219 0.20898053 -3.326319e+00
## ENSG00000012174 7.382336e+02 0.1022905865 0.09642899 1.060787e+00
## ENSG00000012211 1.260188e+02 0.2105650202 0.19993322 1.053177e+00
## ENSG00000012223 1.134102e+00 1.3494186490 2.66670551 5.060246e-01
## ENSG00000012232 1.281449e+03 0.1146273199 0.13051686 8.782568e-01
## ENSG00000012504 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000012660 2.397976e+03 0.4312805625 0.15611169 2.762641e+00
## ENSG00000012779 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000012817 6.641217e+02 -0.1205330992 1.31391842 -9.173560e-02
## ENSG00000012822 6.180196e+03 0.4317125652 0.14253913 3.028730e+00
## ENSG00000012963 3.406136e+02 -0.0349623732 0.18035149 -1.938569e-01
## ENSG00000012983 2.046182e+03 -0.1188039987 0.13753005 -8.638403e-01
## ENSG00000013016 1.940005e+03 0.5354836727 0.30730183 1.742533e+00
## ENSG00000013275 4.733758e+02 0.2013132874 0.14987213 1.343234e+00
## ENSG00000013288 3.187859e+03 0.0905402180 0.14487216 6.249663e-01
## ENSG00000013293 2.405007e+02 -1.5093288074 0.32813722 -4.599688e+00
## ENSG00000013297 3.473517e+03 -1.6495728581 0.27317751 -6.038465e+00
## ENSG00000013306 9.904393e+02 0.0178056735 0.13762325 1.293798e-01
## ENSG00000013364 8.437894e+03 0.1295007540 0.12938710 1.000878e+00
## ENSG00000013374 1.474781e+03 0.0555090833 0.16663995 3.331079e-01
## ENSG00000013375 1.369737e+03 -0.3562806738 0.13762396 -2.588798e+00
## ENSG00000013392 2.317041e+02 -0.2643994591 0.18955759 -1.394824e+00
## ENSG00000013441 2.696830e+03 0.3497655552 0.15157067 2.307607e+00
## ENSG00000013503 2.917856e+02 -0.1545778133 0.21679418 -7.130164e-01
## ENSG00000013523 3.740929e+02 -0.3835037178 0.11763327 -3.260164e+00
## ENSG00000013561 9.504924e+02 0.3013574296 0.12234414 2.463195e+00
## ENSG00000013563 5.458152e+02 0.0016682390 0.25744446 6.479996e-03
## ENSG00000013573 2.315450e+02 -0.2782654735 0.20114233 -1.383426e+00
## ENSG00000013583 1.470551e+03 0.3970370959 0.13141664 3.021209e+00
## ENSG00000013588 6.103610e+02 -0.1524138005 0.23298921 -6.541668e-01
## ENSG00000013619 1.109245e+03 0.3700322021 0.14355639 2.577609e+00
## ENSG00000013725 8.149753e+00 0.0742242988 0.69166365 1.073127e-01
## ENSG00000013810 9.470240e+01 0.2849217734 0.29078811 9.798261e-01
## ENSG00000014123 8.822448e+02 -0.0998564261 0.09635951 -1.036290e+00
## ENSG00000014138 1.680187e+02 -0.4073902531 0.25640871 -1.588832e+00
## ENSG00000014164 4.409232e+02 0.0461388323 0.26592307 1.735044e-01
## ENSG00000014216 3.510335e+03 0.2969082221 0.07675115 3.868453e+00
## ENSG00000014257 1.739807e+01 -0.7439405417 0.44723350 -1.663428e+00
## ENSG00000014641 1.493490e+03 -0.0608486419 0.10723385 -5.674388e-01
## ENSG00000014824 1.332603e+03 0.2159938937 0.14769171 1.462465e+00
## ENSG00000014914 5.645215e+02 -0.3127074069 0.22078010 -1.416375e+00
## ENSG00000014919 6.134178e+02 -0.1719606332 0.12707883 -1.353181e+00
## ENSG00000015133 3.933989e+00 1.0281560272 1.02304293 1.004998e+00
## ENSG00000015153 2.498631e+02 0.1333527571 0.20917120 6.375293e-01
## ENSG00000015171 2.183180e+03 -0.0729248369 0.10161591 -7.176517e-01
## ENSG00000015285 5.955689e+00 -0.1821486467 0.96121946 -1.894975e-01
## ENSG00000015413 1.617258e+00 2.6316745329 1.65396637 1.591129e+00
## ENSG00000015475 3.313702e+02 -0.0597701834 0.23574067 -2.535421e-01
## ENSG00000015479 5.019822e+03 -0.3407282303 0.14702601 -2.317469e+00
## ENSG00000015520 1.700221e+01 -2.4611781826 0.78636432 -3.129819e+00
## ENSG00000015532 6.735880e+02 0.0408695213 0.10451598 3.910361e-01
## ENSG00000015568 1.456798e+02 -0.3880421384 0.51112201 -7.591967e-01

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## ENSG00000015592 1.432437e+00    2.3288075489 1.56773183 1.485463e+00
## ENSG00000015676 1.607998e+03   -0.0275411124 0.09753341 -2.823762e-01
## ENSG00000016082 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000016391 1.058180e+02   -1.2745244362 0.46312619 -2.752003e+00
## ENSG00000016402 1.035847e+01   -1.3201689661 0.69684324 -1.894499e+00
## ENSG00000016490 4.111320e-01   -0.6717679409 3.51984350 -1.908517e-01
## ENSG00000016602 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000016864 1.582099e+03    0.0525071851 0.15683106 3.348009e-01
## ENSG00000017260 2.855670e+03   -0.2061426805 0.12342843 -1.670139e+00
## ENSG00000017427 8.280433e+02   -0.1625174526 0.40518091 -4.010985e-01
## ENSG00000017483 4.468493e+02   -0.8914489929 0.29232841 -3.049478e+00
## ENSG00000017797 3.378614e+03    0.5460507298 0.10655934 5.124381e+00
## ENSG00000018189 9.706968e+02   -0.2382238859 0.12520613 -1.902654e+00
## ENSG00000018236 5.191422e+01   -0.3321390692 0.44816203 -7.411138e-01
## ENSG00000018280 1.675971e+01    0.1607900599 0.43153047 3.726042e-01
## ENSG00000018408 2.818503e+03    0.1161718920 0.13206236 8.796745e-01
## ENSG00000018510 8.122477e+02    0.0653614739 0.18288251 3.573960e-01
## ENSG00000018607 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000018610 2.792967e+02   -0.1692823809 0.12166121 -1.391424e+00
## ENSG00000018625 7.221561e+02   -1.0096910149 1.07242421 -9.415034e-01
## ENSG00000018699 2.725641e+02    0.0795827421 0.19017890 4.184625e-01
## ENSG00000018869 6.088084e+01    0.0700640389 0.30381845 2.306115e-01
## ENSG00000019102 6.675629e+00    0.6942120741 1.20474866 5.762298e-01
## ENSG00000019144 3.527985e+03    0.3861906971 0.13124935 2.942420e+00
## ENSG00000019169 2.776034e-01    1.7547236597 3.51383760 4.993753e-01
## ENSG00000019186 1.391949e+01   -3.8729666238 1.12550865 -3.441081e+00
## ENSG00000019485 3.117647e+02    0.4705695925 0.22086200 2.130605e+00
## ENSG00000019505 1.321184e+00    0.4456369797 1.52063661 2.930595e-01
## ENSG00000019549 3.044819e+03    0.1930916759 0.32529572 5.935881e-01
## ENSG00000019582 4.527064e+01   -0.4617569395 0.55998738 -8.245845e-01
## ENSG00000019991 1.233360e+03   -1.0216038363 0.26195392 -3.899937e+00
## ENSG00000019995 2.150376e+03    0.9839994257 0.11119036 8.849683e+00
## ENSG00000020129 1.075846e+03   -0.4469445527 0.16709513 -2.674791e+00
## ENSG00000020181 9.700281e+03   -0.3093824752 0.14247716 -2.171453e+00
## ENSG00000020219 2.427115e-01   -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000020256 3.204653e+02   -0.3027176633 0.13151337 -2.301801e+00
## ENSG00000020426 2.375598e+02    0.0615944333 0.20616835 2.987579e-01
## ENSG00000020577 3.148941e+03    1.2122308097 0.16418317 7.383405e+00
## ENSG00000020633 1.007535e+02    0.4768705816 1.19377569 3.994641e-01
## ENSG00000020922 5.350252e+02    0.1628426012 0.14898454 1.093017e+00
## ENSG00000021300 1.580599e+01   -0.5709293061 0.48688149 -1.172625e+00
## ENSG00000021355 6.224150e+02    0.4766909129 0.14951452 3.188258e+00
## ENSG00000021461 3.024954e+00    0.0335842439 0.91877594 3.655325e-02
## ENSG00000021488 3.366453e+00   -0.4274687089 0.95918006 -4.456605e-01
## ENSG00000021574 5.061022e+02    0.0455879871 0.10826246 4.210877e-01
## ENSG00000021645 4.115368e+01    1.6432851369 0.63464240 2.589309e+00
## ENSG00000021762 1.390615e+03    0.4848481467 0.21101907 2.297651e+00
## ENSG00000021776 1.353963e+03    0.1966089082 0.12509033 1.571735e+00
## ENSG00000021826 3.256502e+02   -0.2798909494 0.18461372 -1.516090e+00
## ENSG00000021852 0.000000e+00      NA          NA          NA
## ENSG00000022267 1.049910e+04    0.4908606248 0.19918306 2.464369e+00
## ENSG00000022277 2.060877e+03    0.0776263192 0.11468596 6.768598e-01
## ENSG00000022355 0.000000e+00      NA          NA          NA
## ENSG00000022556 3.188762e+00   -0.6707720791 0.90820124 -7.385721e-01

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## ENSG00000022567 1.540247e+02    0.1127221179 0.17968960  6.273158e-01
## ENSG00000022840 2.723238e+03    0.1556653223 0.06959952  2.236586e+00
## ENSG00000022976 1.743470e+02    -0.1263225355 0.17692241 -7.139996e-01
## ENSG00000023041 6.705132e+02    0.1750415822 0.10077379  1.736975e+00
## ENSG00000023171 9.394527e+01    -0.7244383352 0.57482841 -1.260269e+00
## ENSG00000023191 2.430869e+03    0.1261117705 0.18824808  6.699233e-01
## ENSG00000023228 1.769337e+03    0.1593062527 0.09594993  1.660306e+00
## ENSG00000023287 2.835174e+03    0.1724148738 0.12733840  1.353990e+00
## ENSG00000023318 1.413905e+03    0.2402658835 0.08453475  2.842214e+00
## ENSG00000023330 9.693184e+02    -0.2519484900 0.15838394 -1.590745e+00
## ENSG00000023445 5.934647e+01    0.1066099685 0.33797936  3.154334e-01
## ENSG00000023516 1.886953e+03    -0.0366144844 0.08860784 -4.132195e-01
## ENSG00000023572 9.657742e+01    0.2572690842 0.21997781  1.169523e+00
## ENSG00000023608 3.966264e+02    0.6582143781 0.22702740  2.899273e+00
## ENSG00000023697 4.841087e+02    0.2374362657 0.10909307  2.176456e+00
## ENSG00000023734 2.013347e+03    0.2878617966 0.11208301  2.568291e+00
## ENSG00000023839 1.948790e+01    0.7063108679 0.56303442  1.254472e+00
## ENSG00000023892 5.886784e+00    0.0565203866 0.80271045  7.041192e-02
## ENSG00000023902 7.127171e+02    0.4172263764 0.18666899  2.235114e+00
## ENSG00000023909 1.934522e+03    1.2568505386 0.19255416  6.527257e+00
## ENSG00000024048 1.348734e+03    0.1609960653 0.10473234  1.537214e+00
## ENSG00000024422 1.158695e+04    0.2196234585 0.11534759  1.904014e+00
## ENSG00000024526 2.092850e+01    -0.1728237952 0.55694069 -3.103092e-01
## ENSG00000024862 2.259508e+02    0.1744565270 0.20220255  8.627810e-01
## ENSG00000025039 9.130055e+00    0.2998403797 0.68646607  4.367883e-01
## ENSG00000025156 2.530140e+02    -0.2269114574 0.15114427 -1.501291e+00
## ENSG00000025293 1.512702e+03    0.0083422169 0.13897823  6.002535e-02
## ENSG00000025423 1.662787e+02    -2.1883799662 0.47922192 -4.566527e+00
## ENSG00000025434 4.004566e+02    0.1943286789 0.20996569  9.255259e-01
## ENSG00000025708 2.001119e+02    1.4775713280 0.31195948  4.736421e+00
## ENSG00000025770 3.420093e+02    -0.1382369384 0.18094792 -7.639598e-01
## ENSG00000025772 7.681051e+02    -0.5009342792 0.22557634 -2.220686e+00
## ENSG00000025796 3.557988e+03    -0.0374513692 0.16075221 -2.329758e-01
## ENSG00000025800 2.135923e+03    0.1517374796 0.10524031  1.441819e+00
## ENSG00000026025 9.107456e+04    -0.4021972107 0.15369210 -2.616902e+00
## ENSG00000026036 1.907614e+02    -0.6791064143 0.41645690 -1.630676e+00
## ENSG00000026103 1.114435e+03    -0.0200167988 0.15097597 -1.325827e-01
## ENSG00000026297 2.205187e+02    -0.3671623201 0.13676997 -2.684524e+00
## ENSG00000026508 2.261959e+04    -0.2368099193 0.20499022 -1.155225e+00
## ENSG00000026559 2.460262e+01    -0.6684461033 0.61753919 -1.082435e+00
## ENSG00000026652 3.573504e+02    -0.3084426173 0.33173253 -9.297931e-01
## ENSG00000026751 1.513664e+00    1.7805491180 1.58744651  1.121644e+00
## ENSG00000026950 6.953078e+02    -0.8209470939 0.17606094 -4.662857e+00
## ENSG00000027001 5.782030e+02    -0.4139406341 0.20010510 -2.068616e+00
## ENSG00000027075 9.737121e+01    0.6527806222 0.43364836  1.505322e+00
## ENSG00000027644 5.315287e-01    -1.4791028097 2.43796238 -6.066963e-01
## ENSG00000027697 1.452211e+03    0.4225162552 0.14379840  2.938254e+00
## ENSG00000027847 4.376835e+02    -0.0076126212 0.12172523 -6.253939e-02
## ENSG00000027869 3.184360e-01    -0.5489693141 3.42602955 -1.602348e-01
## ENSG00000028116 2.717213e+02    0.1177812529 0.15929225  7.394036e-01
## ENSG00000028137 5.268707e+02    0.8381483283 0.22303160  3.757980e+00
## ENSG00000028203 1.206256e+03    -0.0097972311 0.19533908 -5.015500e-02
## ENSG00000028277 4.922226e+01    -1.9672635461 0.77877260 -2.526108e+00
## ENSG00000028310 5.786685e+02    0.0220390425 0.13356890  1.650013e-01

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## ENSG00000028528 3.501687e+03    0.0030982019  0.11416981  2.713679e-02
## ENSG00000028839 4.789661e+02   -0.1532669907  0.14229445  -1.077112e+00
## ENSG00000029153 3.351847e+02   -0.0887502065  0.17098918  -5.190399e-01
## ENSG00000029363 3.282658e+03   -0.1508708057  0.14228011  -1.060379e+00
## ENSG00000029364 1.407295e+03   -0.1171421774  0.11422654  -1.025525e+00
## ENSG00000029534 9.463301e+01   -0.0530948359  0.46042144  -1.153179e-01
## ENSG00000029559 6.201079e-01   -1.7375327984  3.45044251  -5.035681e-01
## ENSG00000029639 1.151232e+02    0.0763655498  0.18606582  4.104222e-01
## ENSG00000029725 1.913913e+03    0.0047069620  0.14513713  3.243114e-02
## ENSG00000029993 6.026668e+02   -0.3940820345  0.22694084  -1.736497e+00
## ENSG00000030066 9.276458e+02   -0.0104230927  0.09599098  -1.085841e-01
## ENSG00000030110 1.822752e+02    0.1589274790  0.14989512  1.060258e+00
## ENSG00000030304 3.009106e+01   -0.0762625073  0.53408774  -1.427902e-01
## ENSG00000030419 2.305236e+02    0.3839190733  0.26592149  1.443731e+00
## ENSG00000030582 1.095174e+04   -0.1813633422  0.12210463  -1.485311e+00
## ENSG00000031003 1.401652e+03   -0.0107025683  0.15027660  -7.121913e-02
## ENSG00000031081 3.388649e+02   -0.7668532001  0.22877260  -3.352033e+00
## ENSG00000031691 8.404740e+01    0.1119336771  0.29403852  3.806769e-01
## ENSG00000031698 2.854402e+03   -0.5177182084  0.10882948  -4.757150e+00
## ENSG00000031823 1.567982e+03   -0.5475135129  0.13048900  -4.195860e+00
## ENSG00000032219 6.589984e+02   -0.1028417955  0.16180392  -6.355952e-01
## ENSG00000032389 2.098843e+02    0.0225176240  0.22479421  1.001699e-01
## ENSG00000032444 1.489189e+03    0.1597878816  0.13814059  1.156705e+00
## ENSG00000032742 2.282886e+02   -0.7086366311  0.13646891  -5.192660e+00
## ENSG00000033011 5.244099e+02   -0.0222065277  0.09680775  -2.293879e-01
## ENSG00000033030 3.972045e+02    0.0777228357  0.14311736  5.430706e-01
## ENSG00000033050 1.282456e+03    0.3341316944  0.14935468  2.237169e+00
## ENSG00000033100 2.381505e+03    0.0778367539  0.12178894  6.391118e-01
## ENSG00000033122 7.936589e+00   -0.6161005902  0.70263487  -8.768432e-01
## ENSG00000033170 1.520889e+03   -0.2850165601  0.15620974  -1.824576e+00
## ENSG00000033178 9.433035e+02   -0.3967617241  0.22774310  -1.742146e+00
## ENSG00000033327 1.308445e+03    0.4052945029  0.15022642  2.697891e+00
## ENSG00000033627 9.908380e+02    0.5118904955  0.20326482  2.518343e+00
## ENSG00000033800 1.034890e+03    0.0938565793  0.12245313  7.664694e-01
## ENSG00000033867 2.356633e+03   -1.0218729805  0.16603026  -6.154739e+00
## ENSG00000034053 3.327039e+01    0.2156725664  0.61538003  3.504705e-01
## ENSG00000034152 1.149184e+03    0.7376282627  0.22334337  3.302665e+00
## ENSG00000034239 8.555668e+00   -0.4736877738  0.79388808  -5.966682e-01
## ENSG00000034510 1.298289e+04   -0.1267854783  0.14238951  -8.904131e-01
## ENSG00000034533 1.235552e+02   -0.6770329690  0.19393178  -3.491088e+00
## ENSG00000034677 8.511291e+02    0.1480424383  0.16018278  9.242094e-01
## ENSG00000034693 3.243921e+02   -0.5448825718  0.20741364  -2.627033e+00
## ENSG00000034713 1.398574e+03    0.3733528579  0.09789900  3.813653e+00
## ENSG00000034971 4.594718e+02    0.1254579991  0.90596854  1.384794e-01
## ENSG00000035115 4.696420e+02   -0.5345111226  0.12384107  -4.316105e+00
## ENSG00000035141 3.799566e+02    0.2471149059  0.15096456  1.636907e+00
## ENSG00000035403 1.700431e+04    0.8788409580  0.20408751  4.306197e+00
## ENSG00000035499 1.275422e+01   -0.8814274257  0.60073008  -1.467260e+00
## ENSG00000035664 7.474448e+02    1.5677858886  0.49612187  3.160082e+00
## ENSG00000035681 1.044927e+03   -0.3375234559  0.12421949  -2.717154e+00
## ENSG00000035687 8.932836e+02   -0.1476153283  0.13834514  -1.067008e+00
## ENSG00000035720 0.000000e+00      NA          NA          NA
## ENSG00000035862 5.753094e+04    0.1445986722  0.13565770  1.065908e+00
## ENSG00000035928 1.045868e+03   -0.0308482196  0.12720127  -2.425150e-01

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## ENSG00000036054 1.250318e+03    0.2189156424 0.10528782 2.079211e+00
## ENSG00000036257 1.737122e+03   -0.0169572777 0.14044872 -1.207364e-01
## ENSG00000036448 5.009829e+00    0.4208866332 1.06708508 3.944265e-01
## ENSG00000036473 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000036530 4.397765e+01   -0.2295640576 0.44344557 -5.176826e-01
## ENSG00000036549 8.540999e+02   -0.0200403889 0.12205344 -1.641936e-01
## ENSG00000036565 3.517486e+00    0.5867773830 0.95010807 6.175902e-01
## ENSG00000036672 1.677667e+01    0.5307332556 0.57350018 9.254282e-01
## ENSG00000036828 0.000000e+00      NA        NA        NA
## ENSG00000037042 4.276650e+02   -0.1292832953 0.11796365 -1.095959e+00
## ENSG00000037241 2.992866e+02    0.3347217862 0.17795129 1.880974e+00
## ENSG00000037280 1.033626e+01    0.0518647708 0.65775403 7.885132e-02
## ENSG00000037474 7.701962e+02    0.1114258739 0.18148326 6.139733e-01
## ENSG00000037637 6.250891e+02    0.2699712965 0.11072766 2.438156e+00
## ENSG00000037749 4.670031e+02    0.2284859849 0.14416014 1.584946e+00
## ENSG00000037757 3.482105e+02    0.1198618385 0.30425291 3.939546e-01
## ENSG00000037897 8.480229e+01   -0.6065489954 0.35037857 -1.731125e+00
## ENSG00000037965 2.180793e+01   -0.1865992888 0.88386635 -2.111171e-01
## ENSG00000038002 6.025972e+02   -0.3381295353 0.17250371 -1.960129e+00
## ENSG00000038210 3.615382e+02    0.1088802937 0.21710834 5.015021e-01
## ENSG00000038219 2.386285e+03    0.0442806497 0.13915106 3.182200e-01
## ENSG00000038274 1.719980e+03    0.5388807962 0.13889394 3.879801e+00
## ENSG00000038295 9.622106e+00   -0.6460628952 0.99549602 -6.489859e-01
## ENSG00000038358 1.031496e+03    0.0696105777 0.13263337 5.248346e-01
## ENSG00000038382 6.118998e+03   -0.1295989196 0.12659246 -1.023749e+00
## ENSG00000038427 9.363206e+03   -0.3062400730 0.13323643 -2.298471e+00
## ENSG00000038532 6.530042e+02   -0.3049000386 0.15123529 -2.016064e+00
## ENSG00000038945 1.497694e+02   -0.8111697947 0.56371046 -1.438983e+00
## ENSG00000039068 7.889778e+00   -0.5173486247 0.80421281 -6.432982e-01
## ENSG00000039123 1.342436e+03   -0.1901115181 0.10187726 -1.866084e+00
## ENSG00000039139 2.225872e+02   -0.0855548859 0.35011226 -2.443642e-01
## ENSG00000039319 1.094004e+03   -0.1716017742 0.15580463 -1.101391e+00
## ENSG00000039523 1.788877e+03    0.1651792853 0.13146014 1.256497e+00
## ENSG00000039537 2.379663e+01    1.9773505357 0.60961842 3.243587e+00
## ENSG00000039560 5.192577e+03    0.4793244486 0.20877893 2.295847e+00
## ENSG00000039600 3.896339e+00    0.5453978243 0.88490287 6.163364e-01
## ENSG00000039650 3.314539e+02   -0.1584210425 0.24382174 -6.497413e-01
## ENSG00000039987 2.397843e+00   -0.2158502343 1.06501760 -2.026729e-01
## ENSG00000040199 3.359721e+02    0.3044944397 0.20171406 1.509535e+00
## ENSG00000040275 2.206551e+02   -0.3921062773 0.20025310 -1.958053e+00
## ENSG00000040341 7.149584e+02   -0.1470286544 0.17672141 -8.319799e-01
## ENSG00000040487 2.383759e+02    0.2714289066 0.16777282 1.617836e+00
## ENSG00000040531 5.412263e+02    0.0651375296 0.16939426 3.845321e-01
## ENSG00000040608 1.489322e+00   -1.7237256927 1.49056540 -1.156424e+00
## ENSG00000040633 8.085263e+02   -0.2237827225 0.16953969 -1.319943e+00
## ENSG00000040731 7.361954e+01   -1.8127955171 0.65872592 -2.751972e+00
## ENSG00000040933 7.108160e+02   -0.0202758494 0.13171617 -1.539359e-01
## ENSG00000041353 6.575358e+01   -1.7069007747 0.90028446 -1.895957e+00
## ENSG00000041357 1.248393e+03   -0.0367106762 0.14207505 -2.583893e-01
## ENSG00000041515 5.009557e+00    1.7161668813 0.77100281 2.225889e+00
## ENSG00000041802 5.674320e+02    0.1228943249 0.13285694 9.250125e-01
## ENSG00000041880 3.740362e+02    0.0518844819 0.17908169 2.897252e-01
## ENSG00000041982 3.758966e+03   -0.7397308660 0.57196927 -1.293305e+00
## ENSG00000041988 1.916610e+02   -0.0601729257 0.12900224 -4.664487e-01

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## ENSG00000042062 1.481201e+03    0.2072350292 0.24059316  8.613505e-01
## ENSG00000042088 2.031716e+02   -0.4661322033 0.18442436 -2.527498e+00
## ENSG00000042286 5.998100e+02    0.7134368569 0.09727229  7.334431e+00
## ENSG00000042304 4.932683e+00    1.1868651246 0.78334486  1.515125e+00
## ENSG00000042317 2.105432e+02   -0.2517250804 0.22940740 -1.097284e+00
## ENSG00000042429 4.247812e+02    0.2471237480 0.18309817  1.349679e+00
## ENSG00000042445 1.383942e+03   -0.0127377778 0.12060999 -1.056113e-01
## ENSG00000042493 1.000916e+03    0.0012833652 0.25350082  5.062568e-03
## ENSG00000042753 1.188843e+03    0.2522345813 0.10624832  2.374010e+00
## ENSG00000042781 3.750034e+00   -0.5523240478 0.97497182 -5.665026e-01
## ENSG00000042813 0.000000e+00      NA          NA          NA
## ENSG00000042832 3.587233e+01    0.1918157983 0.48663013  3.941716e-01
## ENSG00000042980 1.595442e+01    0.9370632169 0.73508776  1.274764e+00
## ENSG00000043039 1.196864e+00    0.2167085393 1.85965170  1.165318e-01
## ENSG00000043093 6.783064e+02    0.0082458612 0.13334280  6.183957e-02
## ENSG00000043143 1.551934e+03    0.2960148476 0.12389802  2.389181e+00
## ENSG00000043355 0.000000e+00      NA          NA          NA
## ENSG00000043462 0.000000e+00      NA          NA          NA
## ENSG00000043514 2.336538e+02   -0.1586696907 0.17022260 -9.321306e-01
## ENSG00000043591 1.445031e+00    1.0195638032 1.56205255  6.527077e-01
## ENSG00000044012 0.000000e+00      NA          NA          NA
## ENSG00000044090 1.230240e+03    -0.4287071028 0.09734326 -4.404076e+00
## ENSG00000044115 7.971093e+03    0.0412665993 0.11790244  3.500063e-01
## ENSG00000044446 4.328067e+02    0.2374391166 0.16336675  1.453412e+00
## ENSG00000044459 4.990825e+02   -0.2641386929 0.19510093 -1.353857e+00
## ENSG00000044524 5.007011e+01    0.0212948486 0.51887693  4.104027e-02
## ENSG00000044574 1.547620e+04    0.1268072488 0.34135762  3.714792e-01
## ENSG00000046604 3.334726e+01   -0.5847070556 1.13693868 -5.142820e-01
## ENSG00000046647 3.391255e+02    0.1006419159 0.17527246  5.742027e-01
## ENSG00000046651 5.541141e+02   -0.0085965671 0.33487754 -2.567078e-02
## ENSG00000046653 1.108598e+03    2.7178205606 0.77153358  3.522621e+00
## ENSG00000046774 5.700420e-01   -0.4647581030 2.13148774 -2.180440e-01
## ENSG00000046889 4.201709e+01   -1.0396726962 0.56029954 -1.855566e+00
## ENSG00000047056 5.409301e+02    0.3004147462 0.13058272  2.300570e+00
## ENSG00000047188 7.198214e+02    0.1697935496 0.18210460  9.323957e-01
## ENSG00000047230 3.210988e+02   -0.0203742408 0.19329483 -1.054050e-01
## ENSG00000047249 8.522948e+02    0.0690187277 0.12486669  5.527393e-01
## ENSG00000047315 2.394600e+03   -0.0035832897 0.10412209 -3.441431e-02
## ENSG00000047346 7.477135e+02   -0.0263304647 0.21173057 -1.243583e-01
## ENSG00000047365 5.152644e+01   -0.4779410895 0.71840447 -6.652813e-01
## ENSG00000047410 4.708487e+03   -0.0590531538 0.06658003 -8.869500e-01
## ENSG00000047457 1.870559e+01    0.3448053462 0.69103846  4.989669e-01
## ENSG00000047578 8.377048e+02   -0.0555695905 0.15200357 -3.655808e-01
## ENSG00000047579 2.407576e+02    0.1409857067 0.16251945  8.675005e-01
## ENSG00000047597 1.070412e+00    1.0093165333 1.89420446  5.328446e-01
## ENSG00000047617 1.127595e+01    0.8012451893 0.50297787  1.593003e+00
## ENSG00000047621 3.960663e+02   -0.5939614580 0.18221440 -3.259684e+00
## ENSG00000047634 4.432430e+02    0.2297146242 0.14909438  1.540733e+00
## ENSG00000047644 1.558169e+03    0.3480882507 0.14119733  2.465261e+00
## ENSG00000047648 4.581499e+02   -0.0001074786 0.28272345 -3.801545e-04
## ENSG00000047662 7.286978e+00    0.5269912357 0.82109933  6.418118e-01
## ENSG00000047849 1.640112e+04    0.1727445330 0.07830446  2.206062e+00
## ENSG00000047932 1.519164e+03   -0.1795659313 0.06980189 -2.572508e+00
## ENSG00000047936 1.478464e+00   -0.0413440904 1.80525236 -2.290211e-02

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## ENSG00000048028 5.423817e+02    0.2023024796 0.18696053  1.082060e+00
## ENSG00000048052 3.797497e+02    -0.5159974188 0.22580008 -2.285196e+00
## ENSG00000048140 9.096440e+02    0.2450903545 0.12442058  1.969854e+00
## ENSG00000048162 1.908748e+02    0.4592698425 0.19735454  2.327131e+00
## ENSG00000048342 8.358595e+02    -0.3134169373 0.11887010 -2.636634e+00
## ENSG00000048392 1.425185e+03    -0.0386192803 0.12728078 -3.034180e-01
## ENSG00000048405 3.647351e+02    0.3546650389 0.13189271  2.689042e+00
## ENSG00000048462 4.221885e-01    -0.0254905688 3.23821871 -7.871787e-03
## ENSG00000048471 2.158735e+03    0.4976135505 0.23721404  2.097741e+00
## ENSG00000048540 6.011875e+01    1.0609501065 0.47076682  2.253664e+00
## ENSG00000048544 7.216965e+02    -0.0384043563 0.13370823 -2.872251e-01
## ENSG00000048545 4.901556e+00    -1.6213862803 1.08012415 -1.501111e+00
## ENSG00000048649 1.602065e+03    -0.0295390123 0.15051312 -1.962554e-01
## ENSG00000048707 3.383375e+03    0.8907819651 0.24933052  3.572695e+00
## ENSG00000048740 5.672824e+03    0.8498112676 0.19792042  4.293702e+00
## ENSG00000048828 4.191716e+03    0.0736199434 0.12898373  5.707692e-01
## ENSG00000048991 5.261194e+02    -0.3296373926 0.12721060 -2.591273e+00
## ENSG00000049089 6.933061e+01    -0.9321433542 0.22446775 -4.152683e+00
## ENSG00000049130 2.943912e+03    -0.0539558774 0.25265418 -2.135562e-01
## ENSG00000049167 1.627927e+02    -0.2821711575 0.20461033 -1.379066e+00
## ENSG00000049192 1.573781e+02    -0.2186204217 0.41228192 -5.302692e-01
## ENSG00000049239 6.117608e+03    0.3802278583 0.15981414  2.379188e+00
## ENSG00000049245 3.367801e+03    0.1598841779 0.10010773  1.597121e+00
## ENSG00000049246 2.415032e+02    -1.9301002574 0.29722958 -6.493634e+00
## ENSG00000049247 6.219978e-01    -1.7467818915 2.93399354 -5.953598e-01
## ENSG00000049249 2.498489e+01    0.0548159839 0.33843963  1.619668e-01
## ENSG00000049283 1.177457e+01    -1.0372251443 0.50055196 -2.072163e+00
## ENSG00000049323 2.041009e+04    0.7151341306 0.09390808  7.615257e+00
## ENSG00000049449 5.987510e+03    -0.0758337575 0.14241512 -5.324839e-01
## ENSG00000049540 7.659823e+03    0.9450996738 0.37588539  2.514329e+00
## ENSG00000049541 1.366314e+02    -0.3866181808 0.19137896 -2.020171e+00
## ENSG00000049618 1.736723e+03    -0.1472474427 0.16291085 -9.038529e-01
## ENSG00000049656 1.208732e+03    0.3648212329 0.11054348  3.300251e+00
## ENSG00000049759 1.363729e+03    -1.0995967985 0.20099033 -5.470894e+00
## ENSG00000049768 3.059056e+00    1.0101562599 0.93235869  1.083442e+00
## ENSG00000049769 9.040116e+01    -0.2286575556 0.29434309 -7.768402e-01
## ENSG00000049860 4.487924e+03    0.0386863528 0.15847171  2.441215e-01
## ENSG00000049883 3.539694e+02    -0.1757335449 0.16876329 -1.041302e+00
## ENSG00000050030 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000050130 1.0011114e+03    0.0377509190 0.14524014  2.599207e-01
## ENSG00000050165 1.765351e+04    0.2574007943 0.19568369  1.315392e+00
## ENSG00000050327 3.505043e+02    0.0411688784 0.43662788  9.428825e-02
## ENSG00000050344 2.361963e+02    0.3127165649 0.27503143  1.137021e+00
## ENSG00000050393 5.597613e+02    0.2559185241 0.14568178  1.756695e+00
## ENSG00000050405 8.596663e+03    -0.1798340942 0.23693832 -7.589912e-01
## ENSG00000050426 9.208823e+02    -0.1029682802 0.12404783 -8.300692e-01
## ENSG00000050438 1.165062e+02    -0.0097290816 0.30831087 -3.155608e-02
## ENSG00000050555 8.538001e+01    0.0584878774 0.61243147  9.550110e-02
## ENSG00000050628 3.405162e+02    -0.1445240342 0.20553595 -7.031570e-01
## ENSG00000050730 7.035056e+00    -0.6993969502 0.71295817 -9.809789e-01
## ENSG00000050748 8.877376e+02    -0.1164457413 0.09301936 -1.251844e+00
## ENSG00000050767 7.691800e-01    3.1634101196 2.63555831  1.200281e+00
## ENSG00000050820 1.182169e+03    0.1613439593 0.17327364  9.311512e-01
## ENSG00000051009 4.338411e+02    0.1174327698 0.10993183  1.068233e+00

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## ENSG00000051108 2.297881e+03    0.6890881495 0.12888004 5.346741e+00
## ENSG00000051128 9.584678e+02   -0.2284301109 0.14444404 -1.581444e+00
## ENSG00000051180 4.444989e+01    0.9536098488 0.44383231 2.148581e+00
## ENSG00000051341 2.542007e+01   -0.5895312841 0.54542998 -1.080856e+00
## ENSG00000051382 3.604788e+02    0.2892047578 0.18112550 1.596709e+00
## ENSG00000051523 6.973064e+02    0.3779392140 0.18967872 1.992523e+00
## ENSG00000051596 1.689653e+02    0.1065192816 0.20462188 5.205664e-01
## ENSG00000051620 1.213823e+03    0.5056555635 0.14192240 3.562902e+00
## ENSG00000051825 2.329013e+02   -0.3738469380 0.14785950 -2.528393e+00
## ENSG00000052126 1.467941e+03   -0.2786002346 0.13577659 -2.051902e+00
## ENSG00000052344 1.171994e+00   -2.6324043579 2.11261182 -1.246043e+00
## ENSG00000052723 7.242877e+02    0.3126189028 0.13406695 2.331812e+00
## ENSG00000052749 3.454220e+02   -0.1632002243 0.18796901 -8.682294e-01
## ENSG00000052795 5.701241e+02    0.1718728904 0.22903678 7.504161e-01
## ENSG00000052802 3.108900e+02   -0.0900732698 0.20277300 -4.442074e-01
## ENSG00000052841 2.318913e+03   -0.2341035874 0.11945681 -1.959734e+00
## ENSG00000052850 1.398377e+01   -1.5166788101 1.69747842 -8.934893e-01
## ENSG00000053108 3.215612e+00   -0.3772919251 1.55581136 -2.425049e-01
## ENSG00000053254 3.962023e+03    0.4445705279 0.15105654 2.943074e+00
## ENSG00000053328 9.764610e+00   -1.1025480301 0.83549678 -1.319632e+00
## ENSG00000053371 9.110920e+02    0.0716748606 0.11753940 6.097944e-01
## ENSG00000053372 3.530545e+02    0.1898187705 0.13717841 1.383736e+00
## ENSG00000053438 4.093837e+01   -0.2720498182 0.53194522 -5.114245e-01
## ENSG00000053501 2.955457e+02   -0.1441346175 0.12843876 -1.122205e+00
## ENSG00000053524 4.971601e+01    0.5302085007 0.42670942 1.242552e+00
## ENSG00000053702 3.603038e+01   -0.5006906417 0.34270756 -1.460985e+00
## ENSG00000053747 1.279315e+03    1.2531455703 0.27961430 4.481693e+00
## ENSG00000053770 6.834334e+02    0.0441394656 0.12559757 3.514357e-01
## ENSG00000053900 5.414362e+02    0.0278181631 0.14972774 1.857917e-01
## ENSG00000053918 2.130927e-01   -1.2312738004 3.52871919 -3.489294e-01
## ENSG00000054116 7.273237e+02    0.0965275511 0.08688716 1.110953e+00
## ENSG00000054118 2.794221e+03   -0.0951785136 0.08258752 -1.152456e+00
## ENSG00000054148 8.651169e+02   -0.1953155660 0.27022987 -7.227756e-01
## ENSG00000054179 1.500485e+00   -3.1345038113 1.67738421 -1.868686e+00
## ENSG00000054219 5.088620e+01    1.1491466358 0.55089855 2.085950e+00
## ENSG00000054267 1.117709e+03   -0.1693072546 0.12463405 -1.358435e+00
## ENSG00000054277 3.988153e+02    0.7187920687 0.20693324 3.473546e+00
## ENSG00000054282 2.382109e+02   -0.0147653313 0.36069258 -4.093606e-02
## ENSG00000054356 1.904875e+01   -1.0426513253 0.63902626 -1.631625e+00
## ENSG00000054392 4.917492e+01   -0.1618598469 0.23918426 -6.767161e-01
## ENSG00000054523 1.619839e+03    0.1542647338 0.08763123 1.760385e+00
## ENSG00000054598 4.857564e+02   -0.1422827777 0.23659567 -6.013752e-01
## ENSG00000054611 6.050684e+02    0.0050211319 0.09349077 5.370724e-02
## ENSG00000054654 1.731863e+03    0.0574495883 0.24206769 2.373286e-01
## ENSG00000054690 1.812054e+01   -1.0074319306 0.77773292 -1.295344e+00
## ENSG00000054793 3.230536e+03    0.2012651988 0.19229762 1.046634e+00
## ENSG00000054796 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000054803 0.000000e+00      NA        NA        NA
## ENSG00000054938 9.016623e+01   -1.2567891541 0.36732388 -3.421474e+00
## ENSG00000054965 1.799700e+03   -0.3636594357 0.10490636 -3.466515e+00
## ENSG00000054967 1.858662e+01    0.3557740257 0.47862302 7.433283e-01
## ENSG00000054983 6.831810e+02    0.1728646977 0.12456871 1.387706e+00
## ENSG00000055044 5.220024e+02    0.2063368026 0.13085794 1.576800e+00
## ENSG00000055070 3.721199e+03    0.2401140312 0.13317784 1.802958e+00

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## ENSG00000055118 1.515001e+01 -1.0735466296 1.11461742 -9.631526e-01
## ENSG00000055130 1.316767e+03 0.2912512740 0.10494514 2.775272e+00
## ENSG00000055147 5.232467e+02 0.0411118889 0.11893914 3.456548e-01
## ENSG00000055163 2.812014e+02 -0.8166869649 0.23401676 -3.489865e+00
## ENSG00000055208 1.667381e+03 0.0922505216 0.10550165 8.743989e-01
## ENSG00000055211 2.371182e+03 0.2903265193 0.15136225 1.918091e+00
## ENSG00000055332 1.953656e+03 -0.2444162613 0.14820685 -1.649156e+00
## ENSG00000055483 8.335807e+02 0.1037182902 0.14315704 7.245071e-01
## ENSG00000055609 2.029662e+03 -0.1837144453 0.17872776 -1.027901e+00
## ENSG00000055732 1.045049e+02 -0.3221469969 0.30505789 -1.056019e+00
## ENSG00000055813 6.672997e+01 -1.3537099391 0.72328413 -1.871616e+00
## ENSG00000055917 2.283136e+03 0.1350347944 0.10462087 1.290706e+00
## ENSG00000055950 6.785839e+02 -0.1061506130 0.14922114 -7.113645e-01
## ENSG00000055955 1.835309e+01 -0.0116960056 0.57964354 -2.017793e-02
## ENSG00000055957 1.761718e+00 4.3436491715 2.12250228 2.046476e+00
## ENSG00000056050 3.090541e+02 -0.1528651729 0.16945533 -9.020972e-01
## ENSG00000056097 3.013900e+03 0.1455223541 0.12855437 1.131991e+00
## ENSG00000056277 1.548813e+02 -0.4028935738 0.27255075 -1.478233e+00
## ENSG00000056291 2.723303e-01 -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000056487 0.000000e+00 NA NA NA
## ENSG00000056558 2.176038e+02 0.2934200690 0.25302900 1.159630e+00
## ENSG00000056586 1.389867e+03 0.2748266166 0.10875246 2.527084e+00
## ENSG00000056736 7.823377e+01 -0.9100055761 0.29884372 -3.045088e+00
## ENSG00000056972 5.203553e+02 0.3020897652 0.15240372 1.982168e+00
## ENSG00000056998 2.714872e+02 0.3518783074 0.16773661 2.097803e+00
## ENSG00000057019 2.546836e+03 -0.1690315672 0.19095509 -8.851902e-01
## ENSG00000057149 0.000000e+00 NA NA NA
## ENSG00000057252 1.249412e+03 0.6517565665 0.19106353 3.411203e+00
## ENSG00000057294 1.649742e+01 0.7620752377 0.66979774 1.137769e+00
## ENSG00000057468 3.450797e+00 -0.7801821952 1.07019278 -7.290109e-01
## ENSG00000057593 5.974966e+00 -0.0858462951 0.75707337 -1.133923e-01
## ENSG00000057608 3.338409e+03 -0.0123603318 0.07509302 -1.646003e-01
## ENSG00000057657 2.041843e+02 0.8346539196 0.27112665 3.078465e+00
## ENSG00000057663 5.738484e+02 0.3738253506 0.12781909 2.924644e+00
## ENSG00000057704 2.485327e+01 0.6822554803 0.70845725 9.630157e-01
## ENSG00000057757 4.999628e+02 -0.0419011608 0.12557575 -3.336724e-01
## ENSG00000057935 8.295864e+02 -0.3339613334 0.15955752 -2.093047e+00
## ENSG00000058056 4.439529e+02 0.1260430613 0.23145178 5.445759e-01
## ENSG00000058063 1.722688e+03 0.2630363729 0.18822282 1.397473e+00
## ENSG00000058085 7.437147e+01 0.9200206272 0.24226709 3.797547e+00
## ENSG00000058091 1.347184e+03 -0.0730812835 0.14055695 -5.199407e-01
## ENSG00000058262 1.063870e+04 -0.2863174793 0.09312922 -3.074411e+00
## ENSG00000058272 1.793828e+03 0.2619490111 0.14326776 1.828388e+00
## ENSG00000058335 3.631889e+00 0.3582241960 1.20560221 2.971330e-01
## ENSG00000058404 2.871231e+00 -1.4314905715 1.47133442 -9.729199e-01
## ENSG00000058453 6.181545e+02 0.0988430679 0.22146299 4.463187e-01
## ENSG00000058600 4.973402e+02 0.0972257753 0.14296992 6.800436e-01
## ENSG00000058668 1.106964e+04 -0.0484116513 0.16302543 -2.969577e-01
## ENSG00000058673 4.144750e+03 -0.0008213319 0.10453769 -7.856801e-03
## ENSG00000058729 3.813396e+02 -0.3347710763 0.14993030 -2.232845e+00
## ENSG00000058799 4.598139e+02 0.4301937593 0.17123896 2.512242e+00
## ENSG00000058804 2.558452e+02 -0.0327226124 0.12799990 -2.556456e-01
## ENSG00000058866 4.337888e+00 -1.3389825856 1.02876172 -1.301548e+00
## ENSG00000059122 1.253959e+03 -0.0021390140 0.25458610 -8.401928e-03

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## ENSG00000059145 5.936088e+02    0.2999853739 0.16030386 1.871355e+00
## ENSG00000059377 1.653705e+01    0.1999075519 0.60354663 3.312214e-01
## ENSG00000059378 2.467223e+02    0.0318007592 0.19127715 1.662549e-01
## ENSG00000059573 1.436397e+03    -0.3818663817 0.15998363 -2.386909e+00
## ENSG00000059588 3.516512e+02    -0.3060804246 0.18648406 -1.641322e+00
## ENSG00000059691 3.414541e+02    -0.1714701428 0.14548545 -1.178607e+00
## ENSG00000059728 1.925652e+02    -0.0631214684 0.21260224 -2.968994e-01
## ENSG00000059758 8.275560e+02    -0.4617648777 0.13393900 -3.447576e+00
## ENSG00000059769 2.989876e+02    0.1501414013 0.21339525 7.035836e-01
## ENSG00000059804 1.189934e+03    0.0246273025 0.19181628 1.283901e-01
## ENSG00000059915 1.504585e+02    -0.3261748642 0.25152380 -1.296795e+00
## ENSG00000060069 4.724683e+02    0.2332480192 0.13787201 1.691772e+00
## ENSG00000060138 4.860560e+03    0.4619716301 0.12667742 3.646835e+00
## ENSG00000060140 2.211637e+00    0.1171886162 1.94260840 6.032539e-02
## ENSG00000060237 5.443081e+03    -0.1128718766 0.16341645 -6.907008e-01
## ENSG00000060303 0.000000e+00      NA       NA       NA
## ENSG00000060339 1.600373e+03    0.0018486156 0.15161290 1.219300e-02
## ENSG00000060491 9.512373e+02    0.1173524160 0.11568758 1.014391e+00
## ENSG00000060558 2.126202e-01    -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000060566 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000060642 3.103387e+02    0.3730312750 0.18612962 2.004148e+00
## ENSG00000060656 4.049564e+02    0.0986256539 0.27844300 3.542041e-01
## ENSG00000060688 4.662454e+02    0.0127549090 0.10738285 1.187798e-01
## ENSG00000060709 3.441384e-01    -0.5086481446 3.35219545 -1.517358e-01
## ENSG00000060718 3.353461e+02    2.2145182121 0.42564094 5.202785e+00
## ENSG00000060749 1.043596e+03    -0.0285847390 0.17498941 -1.633512e-01
## ENSG00000060762 3.039045e+02    0.4651258186 0.18599867 2.500694e+00
## ENSG00000060971 7.425038e+02    0.0486856347 0.14377094 3.386334e-01
## ENSG00000060982 2.569576e+03    -0.0751991860 0.24258672 -3.099889e-01
## ENSG00000061273 3.199210e+03    0.6242135737 0.14697176 4.247167e+00
## ENSG00000061337 6.976725e+01    -0.9511151875 0.24989094 -3.806121e+00
## ENSG00000061455 9.528784e+02    -0.3397744205 0.24445304 -1.389937e+00
## ENSG00000061492 0.000000e+00      NA       NA       NA
## ENSG00000061656 9.199049e+01    0.5380955398 0.29743705 1.809107e+00
## ENSG00000061676 5.774369e+03    0.3257323366 0.11052044 2.947259e+00
## ENSG00000061794 5.782208e+02    0.2875430314 0.12100112 2.376367e+00
## ENSG00000061918 1.640221e+03    -0.0138032599 0.28946192 -4.768593e-02
## ENSG00000061936 8.092072e+02    -0.0443719928 0.10051346 -4.414532e-01
## ENSG00000061938 5.107046e+02    -0.2461217269 0.20100214 -1.224473e+00
## ENSG00000061987 1.348446e+03    -0.1901287440 0.12656907 -1.502174e+00
## ENSG00000062038 6.376869e+00    -0.5461340465 0.88498907 -6.171082e-01
## ENSG00000062096 1.534651e+00    0.2758472562 1.32788922 2.077336e-01
## ENSG00000062194 1.074039e+03    -0.1602003734 0.07529123 -2.127743e+00
## ENSG00000062282 2.827852e+01    -0.4027382716 0.55743482 -7.224850e-01
## ENSG00000062370 1.607712e+02    -0.0535042995 0.21058757 -2.540715e-01
## ENSG00000062485 1.855525e+03    -0.0640844709 0.10620567 -6.033997e-01
## ENSG00000062524 1.980921e+00    0.0744342827 1.44731909 5.142908e-02
## ENSG00000062582 6.252342e+02    -0.0867018045 0.15184909 -5.709735e-01
## ENSG00000062598 1.216404e+03    0.1817920550 0.13157858 1.381624e+00
## ENSG00000062650 1.141611e+03    0.1887003650 0.09898144 1.906422e+00
## ENSG00000062716 3.141675e+03    0.4828848702 0.08889768 5.431917e+00
## ENSG00000062725 1.774069e+03    -0.0593971675 0.14643068 -4.056334e-01
## ENSG00000062822 1.411703e+02    -0.2585162975 0.30777754 -8.399453e-01
## ENSG00000063015 2.506176e+00    0.0668865419 1.36131458 4.913379e-02

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## ENSG00000063046 1.328779e+04 -0.0520537360 0.07535136 -6.908135e-01
## ENSG00000063127 2.827722e+01 -0.4330364167 0.55106423 -7.858184e-01
## ENSG00000063169 2.736904e+02 0.2984697959 0.22839344 1.306823e+00
## ENSG00000063176 3.013000e+02 0.0946797964 0.20553759 4.606447e-01
## ENSG00000063177 8.028031e+03 -0.0628642389 0.16348610 -3.845235e-01
## ENSG00000063180 1.164619e+02 -0.5630033530 0.35493491 -1.586216e+00
## ENSG00000063241 3.672064e+02 -0.0455737646 0.17470765 -2.608573e-01
## ENSG00000063244 1.998651e+03 -0.1311128650 0.11557805 -1.134410e+00
## ENSG00000063245 2.381003e+03 0.1867780425 0.12462432 1.498729e+00
## ENSG00000063322 1.351292e+03 -0.1249879459 0.10388790 -1.203104e+00
## ENSG00000063438 6.604358e+02 -0.4276655516 0.27870763 -1.534459e+00
## ENSG00000063515 0.000000e+00 NA NA NA
## ENSG00000063587 6.073315e+02 0.3657542597 0.12900895 2.835108e+00
## ENSG00000063601 7.203787e+02 -0.0201722481 0.10780187 -1.871234e-01
## ENSG00000063660 4.549719e+03 -0.4159054770 0.13958775 -2.979527e+00
## ENSG00000063761 1.077364e+02 -0.1537287424 0.21141724 -7.271344e-01
## ENSG00000063854 3.649914e+02 0.0869373142 0.15186253 5.724738e-01
## ENSG00000063978 1.170167e+03 0.0161847711 0.10230785 1.581968e-01
## ENSG00000064012 3.361902e+02 -0.2679340456 0.16216569 -1.652224e+00
## ENSG00000064042 4.120730e+02 0.0984573859 0.26173845 3.761671e-01
## ENSG00000064102 3.869685e+02 0.0176703152 0.19174789 9.215390e-02
## ENSG00000064115 1.485994e+03 0.9806170754 0.16131182 6.079016e+00
## ENSG00000064195 0.000000e+00 NA NA NA
## ENSG00000064199 1.960850e+02 0.1099998343 0.22211126 4.952465e-01
## ENSG00000064201 1.714270e+01 -2.0714539368 0.49455402 -4.188529e+00
## ENSG00000064205 1.937295e+03 -0.8233225046 0.42137528 -1.953894e+00
## ENSG00000064218 0.000000e+00 NA NA NA
## ENSG00000064225 3.710393e+01 -0.4977109198 0.42026160 -1.184288e+00
## ENSG00000064270 6.982069e+00 -0.0366263891 0.74264538 -4.931881e-02
## ENSG00000064300 1.862252e+00 0.8356494693 1.64468297 5.080915e-01
## ENSG00000064309 4.004605e+02 -1.4909280862 0.34242778 -4.353993e+00
## ENSG00000064313 8.008724e+02 0.0886270683 0.14409253 6.150705e-01
## ENSG00000064393 2.644133e+03 0.6067301870 0.16645195 3.645077e+00
## ENSG00000064419 1.326872e+03 -0.0666655871 0.07601192 -8.770412e-01
## ENSG00000064489 9.943543e+01 -0.0881034360 0.18291217 -4.816707e-01
## ENSG00000064490 3.636289e+02 0.0625062938 0.15076140 4.146041e-01
## ENSG00000064545 3.051502e+02 -0.0166417378 0.16057987 -1.036353e-01
## ENSG00000064547 3.857888e+01 -0.0968116303 0.35037349 -2.763098e-01
## ENSG00000064601 9.475044e+03 -0.2679799484 0.11866058 -2.258374e+00
## ENSG00000064607 1.574577e+03 -0.0990782256 0.11870704 -8.346449e-01
## ENSG00000064651 5.098096e+02 0.0440887402 0.23621129 1.866496e-01
## ENSG00000064652 2.697888e+02 0.2638240575 0.17992412 1.466307e+00
## ENSG00000064655 1.170645e+02 0.5041583358 0.45525709 1.107415e+00
## ENSG00000064666 9.555093e+03 0.7862059979 0.16070712 4.892167e+00
## ENSG00000064687 1.516345e+02 -0.6061325105 0.31031608 -1.953275e+00
## ENSG00000064692 5.876312e+01 -1.6581670116 0.71840871 -2.308111e+00
## ENSG00000064703 3.379782e+02 0.3776105132 0.15005368 2.516503e+00
## ENSG00000064726 2.077739e+03 0.1340073160 0.13240581 1.012095e+00
## ENSG00000064763 2.986625e+02 0.4445727761 0.26813507 1.658018e+00
## ENSG00000064787 7.802413e+00 -1.4293274328 0.76395526 -1.870957e+00
## ENSG00000064835 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000064886 1.305640e+03 -0.0205841513 0.22203594 -9.270639e-02
## ENSG00000064932 5.396610e+02 -0.0404465166 0.29366270 -1.377312e-01
## ENSG00000064933 4.746772e+02 0.5771455039 0.13822300 4.175466e+00

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## ENSG00000064961 1.180656e+03 0.2505540041 0.09816137 2.552471e+00
## ENSG00000064989 4.091361e+01 0.0367758746 0.42868714 8.578721e-02
## ENSG00000064995 2.665952e+02 0.0820119687 0.14448262 5.676251e-01
## ENSG00000064999 7.040681e+02 0.1796493931 0.12244241 1.467215e+00
## ENSG00000065000 3.964894e+03 -0.0924905718 0.10504154 -8.805142e-01
## ENSG00000065029 4.451613e+02 -0.0379793901 0.13985010 -2.715721e-01
## ENSG00000065054 8.767944e+02 -0.1026372420 0.26293039 -3.903590e-01
## ENSG00000065057 1.175346e+02 -0.0560877089 0.20553225 -2.728901e-01
## ENSG00000065060 3.884607e+02 -0.1023292672 0.10479632 -9.764586e-01
## ENSG00000065135 1.924767e+03 0.1058566833 0.11148500 9.495151e-01
## ENSG00000065150 4.322688e+03 -0.1447143392 0.13074003 -1.106886e+00
## ENSG00000065154 2.892679e+03 0.0773104439 0.12240893 6.315752e-01
## ENSG00000065183 5.273659e+02 0.0980486809 0.16998746 5.767995e-01
## ENSG00000065243 1.408511e+03 0.0299533965 0.13511472 2.216886e-01
## ENSG00000065268 2.796689e+02 0.2855640998 0.23899385 1.194860e+00
## ENSG00000065308 1.007947e+04 0.2186109862 0.06591698 3.316459e+00
## ENSG00000065320 4.310717e+03 0.5280575839 0.33543735 1.574236e+00
## ENSG00000065325 4.968104e+00 0.4459127044 1.66557398 2.677231e-01
## ENSG00000065328 1.087244e+01 0.2209891457 0.64958734 3.401993e-01
## ENSG00000065357 9.670880e+02 -0.0009235430 0.09038694 -1.021766e-02
## ENSG00000065361 2.671505e+01 0.0711296818 0.55509216 1.281403e-01
## ENSG00000065371 3.511638e-01 0.8190074632 3.31790428 2.468448e-01
## ENSG00000065413 2.347659e+02 -0.6548511229 0.34071419 -1.921995e+00
## ENSG00000065427 1.903900e+03 0.0908616978 0.13884765 6.543985e-01
## ENSG00000065457 2.532718e+02 -0.1310429475 0.16394936 -7.992892e-01
## ENSG00000065485 7.450278e+02 -0.2184371190 0.14844439 -1.471508e+00
## ENSG00000065491 3.208998e+02 -0.3775517161 0.13183393 -2.863843e+00
## ENSG00000065518 7.435642e+02 -0.2188835140 0.12366890 -1.769916e+00
## ENSG00000065526 1.489235e+03 0.7295513705 0.17017788 4.286993e+00
## ENSG00000065534 1.974719e+04 0.1992873430 0.17305342 1.151594e+00
## ENSG00000065548 9.284572e+02 -0.0675112953 0.13265509 -5.089235e-01
## ENSG00000065559 6.195784e+02 0.1337876268 0.12117152 1.104118e+00
## ENSG00000065600 9.158879e+01 -0.3608771561 0.22969444 -1.571118e+00
## ENSG00000065609 4.993890e-01 -1.1912622018 3.48084537 -3.422336e-01
## ENSG00000065613 1.710804e+03 -0.0560370773 0.11928449 -4.697767e-01
## ENSG00000065615 3.822247e+02 0.2748800004 0.17066709 1.610621e+00
## ENSG00000065618 2.873465e+00 -1.9039567551 1.30564363 -1.458251e+00
## ENSG00000065621 9.199912e+01 0.0667362600 0.44009255 1.516414e-01
## ENSG00000065665 1.422577e+02 -0.4924174152 0.16052421 -3.067558e+00
## ENSG00000065675 9.675265e-01 1.6068616698 2.26689618 7.088378e-01
## ENSG00000065717 2.463563e+02 0.7557802445 0.34238902 2.207373e+00
## ENSG00000065802 1.226749e+03 0.2978497369 0.17909765 1.663058e+00
## ENSG00000065809 2.322281e+03 -1.1010603652 0.21434295 -5.136910e+00
## ENSG00000065833 6.830123e+02 -0.6370373296 0.19957131 -3.192029e+00
## ENSG00000065882 8.124285e+02 0.3952900810 0.14207164 2.782329e+00
## ENSG00000065883 1.198693e+03 0.2567278844 0.10246926 2.505414e+00
## ENSG00000065911 6.982863e+02 0.1892057407 0.29451981 6.424211e-01
## ENSG00000065923 1.089707e+03 -0.2980370006 0.31940461 -9.331017e-01
## ENSG00000065970 7.608779e+02 0.0334315313 0.10850478 3.081111e-01
## ENSG00000065978 1.039999e+04 -0.0556123639 0.10324859 -5.386259e-01
## ENSG00000065989 7.217336e+02 0.2214923631 0.12445193 1.779742e+00
## ENSG00000066027 7.374666e+02 0.2441810713 0.13870787 1.760398e+00
## ENSG00000066032 3.046614e+00 1.0231509705 1.11585176 9.169237e-01
## ENSG00000066044 1.086334e+03 0.0596999524 0.08176963 7.300993e-01

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## ENSG00000066056 7.837876e+00    0.9003905583 0.87433230  1.029804e+00
## ENSG00000066084 9.800108e+02   -0.2268587938 0.16295826 -1.392128e+00
## ENSG00000066117 8.318376e+02    0.1358248215 0.16377881  8.293187e-01
## ENSG00000066135 1.047360e+03   -0.2941089255 0.10728659 -2.741339e+00
## ENSG00000066136 4.288055e+02   -0.2536354367 0.12084061 -2.098926e+00
## ENSG00000066185 1.638257e+01   -0.7223018334 0.47718484 -1.513673e+00
## ENSG00000066230 1.369794e+02   -0.1755335414 0.41818418 -4.197518e-01
## ENSG00000066248 2.648728e+00   -0.2037418545 1.06652853 -1.910327e-01
## ENSG00000066279 1.240641e+02   -0.6531688933 0.34381674 -1.899759e+00
## ENSG00000066294 6.760786e+00   -0.4827933809 0.62742436 -7.694846e-01
## ENSG00000066322 1.037617e+03    0.4951596126 0.08155750  6.071294e+00
## ENSG00000066336 9.985743e-01   -0.5742260249 1.69032480 -3.397134e-01
## ENSG00000066379 1.809365e+01   -0.2133970893 0.42510400 -5.019880e-01
## ENSG00000066382 2.011287e+01   -0.5336594701 1.02564760 -5.203146e-01
## ENSG00000066405 2.569087e+01   -0.3075613965 0.36211427 -8.493490e-01
## ENSG00000066422 5.442049e+02   -0.2601951312 0.11651587 -2.233130e+00
## ENSG00000066427 6.642422e+02   -0.0501022879 0.27401070 -1.828479e-01
## ENSG00000066455 1.379338e+03    0.0326597479 0.11270082  2.897916e-01
## ENSG00000066468 3.218535e+01   -2.0401911892 0.71871490 -2.838666e+00
## ENSG00000066557 3.121212e+02   -0.0069769836 0.14706948 -4.744005e-02
## ENSG00000066583 2.948490e+02   -0.0271949589 0.24848877 -1.094414e-01
## ENSG00000066629 2.890694e+03    0.1217101582 0.19227849  6.329889e-01
## ENSG00000066651 2.250479e+02   -0.0963745648 0.20896794 -4.611931e-01
## ENSG00000066654 7.571874e+02   -0.0305031822 0.09092490 -3.354767e-01
## ENSG00000066697 8.119205e+02   -0.7298768186 0.15113551 -4.829288e+00
## ENSG00000066735 3.165992e+00   -0.6917799309 1.56059398 -4.432799e-01
## ENSG00000066739 1.397462e+03   -0.2637167457 0.10860318 -2.428260e+00
## ENSG00000066777 1.623878e+03    0.1461942307 0.11265088  1.297764e+00
## ENSG00000066813 1.746350e+01   -0.2267219133 0.58843339  3.852975e-01
## ENSG00000066827 2.268857e+02   -0.1390831527 0.15771752 -8.818497e-01
## ENSG00000066855 3.120953e+02    0.1187955360 0.12882298  9.221611e-01
## ENSG00000066923 1.935022e+02   -0.0340617711 0.13580460  2.508146e-01
## ENSG00000066926 4.933035e+02   -0.1732720775 0.17583523 -9.854230e-01
## ENSG00000066933 1.131401e+03    0.1717893844 0.14756454  1.164164e+00
## ENSG00000067048 9.688060e+02   -0.1084575744 1.59585847  6.796190e-02
## ENSG00000067057 2.204840e+03   -0.0532826380 0.30390589  1.753261e-01
## ENSG00000067064 3.995107e+02   -0.0251523793 0.23547554 -1.068153e-01
## ENSG00000067066 2.137201e+03    0.0114200079 0.14374166  7.944815e-02
## ENSG00000067082 3.251073e+03    1.0030588137 0.15637604  6.414402e+00
## ENSG00000067113 1.761910e+03   -0.9016360902 0.22273287 -4.048060e+00
## ENSG00000067141 1.093399e+03   -0.3162478603 0.20875109 -1.514952e+00
## ENSG00000067167 1.408618e+04    0.5983857406 0.22138126  2.702965e+00
## ENSG00000067177 5.003705e+02   -0.8963412023 0.25883520  3.462980e+00
## ENSG00000067182 3.916068e+03    0.0401875912 0.12014786  3.344845e-01
## ENSG00000067191 1.619679e+02    0.2198029911 0.21713054  1.012308e+00
## ENSG00000067208 7.237580e+02   -0.0803530986 0.09898825  8.117438e-01
## ENSG00000067221 3.529314e+02   -0.3062593096 0.13639672 -2.245357e+00
## ENSG00000067225 2.185445e+04   -0.3307554943 0.16294984 -2.029799e+00
## ENSG00000067248 1.214743e+03   -0.0395426665 0.10435657 -3.789188e-01
## ENSG00000067334 8.773147e+02   -0.1413389050 0.14610914  9.673516e-01
## ENSG00000067365 3.630282e+02   -0.1148140364 0.20112731  5.708525e-01
## ENSG00000067369 2.102969e+03   -0.7142455822 0.09779274 -7.303667e+00
## ENSG00000067445 6.627447e+02   -0.8182317174 0.13880993 -5.894620e+00
## ENSG00000067533 2.714159e+02   -0.1281407853 0.31160869  4.112234e-01

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## ENSG00000067560 9.490325e+03    0.1408080445 0.12308935  1.143950e+00
## ENSG00000067596 1.085786e+03    0.0838014739 0.08492213  9.868037e-01
## ENSG00000067601 1.342264e+01    -0.0460311062 0.49371059 -9.323500e-02
## ENSG00000067606 1.563811e+01    -0.1515266672 0.40873373 -3.707222e-01
## ENSG00000067646 3.056071e+02    0.4816485836 1.99753016  2.411221e-01
## ENSG00000067704 2.825818e+03    0.1456933876 0.08974738  1.623372e+00
## ENSG00000067715 1.431409e+01    0.3730435881 0.79801922  4.674619e-01
## ENSG00000067798 6.422476e+02    1.4002324242 0.36022844  3.887068e+00
## ENSG00000067829 7.861732e+02    -0.0815297981 0.11039162 -7.385506e-01
## ENSG00000067836 1.987762e+02    0.0439884727 0.22488476  1.956045e-01
## ENSG00000067840 1.568362e+01    -0.0506584195 0.43935857 -1.153009e-01
## ENSG00000067842 2.865920e+00    -2.1977993695 1.39346065 -1.577224e+00
## ENSG00000067900 2.681713e+03    0.5174279068 0.12846984  4.027622e+00
## ENSG00000067955 5.920589e+02    0.3274708693 0.11595500  2.824120e+00
## ENSG00000067992 6.296263e+01    0.3727752868 0.27450584  1.357987e+00
## ENSG00000068001 6.537165e+02    -0.2030210496 0.09486802 -2.140037e+00
## ENSG00000068024 5.595822e+02    -0.0081834610 0.26434259 -3.095778e-02
## ENSG00000068028 7.584612e+02    0.4594111172 0.17866020  2.571424e+00
## ENSG00000068078 1.132140e+01    0.9834416619 0.64982273  1.513400e+00
## ENSG00000068079 3.870542e+02    0.3317393846 0.14227168  2.331732e+00
## ENSG00000068097 3.917273e+02    0.0211341517 0.15977002  1.322786e-01
## ENSG00000068120 8.700452e+02    0.2525527493 0.08622973  2.928836e+00
## ENSG00000068137 3.989544e+02    0.0926512358 0.19320630  4.795456e-01
## ENSG00000068305 1.768838e+03    0.5368804508 0.15903719  3.375817e+00
## ENSG00000068308 1.436232e+03    0.1794326134 0.08222311  2.182265e+00
## ENSG00000068323 2.160499e+03    -0.1048718988 0.07711128 -1.360007e+00
## ENSG00000068354 2.903199e+02    -0.1309824523 0.14616567 -8.961232e-01
## ENSG00000068366 3.760199e+03    -0.3916822809 0.27359809 -1.431597e+00
## ENSG00000068383 1.410809e+03    1.2975627659 0.31684149  4.095306e+00
## ENSG00000068394 3.324392e+02    0.0330019115 0.11725815  2.814466e-01
## ENSG00000068400 6.093047e+02    -0.0495285805 0.13014480 -3.805652e-01
## ENSG00000068438 3.937697e+02    0.0325088534 0.15629779  2.079930e-01
## ENSG00000068489 9.706433e+01    -0.3638332065 0.24487846 -1.485771e+00
## ENSG00000068615 2.541418e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000068650 1.006102e+03    0.0262954548 0.13493411  1.948763e-01
## ENSG00000068654 1.185718e+03    0.1887466762 0.15519826  1.216165e+00
## ENSG00000068697 8.342827e+03    -0.2704194485 0.11600642 -2.331073e+00
## ENSG00000068724 1.031841e+03    -0.1195426427 0.14613965 -8.180028e-01
## ENSG00000068745 8.030380e+02    -0.3012617763 0.18153147 -1.659557e+00
## ENSG00000068781 1.165965e+02    0.8120288993 0.51695896  1.570780e+00
## ENSG00000068784 2.772842e+02    -0.5801752039 0.16605644 -3.493843e+00
## ENSG00000068796 5.784329e+02    -0.1368522135 0.14925395 -9.169085e-01
## ENSG00000068831 9.280189e+01    1.7361954858 0.25766667  6.738145e+00
## ENSG00000068878 1.553412e+03    0.2859184146 0.14126150  2.024036e+00
## ENSG00000068885 1.569402e+03    -0.5292390650 0.14694905 -3.601514e+00
## ENSG00000068903 5.791622e+02    -0.0648926253 0.12735160 -5.095549e-01
## ENSG00000068912 1.919343e+03    0.1532363109 0.10044243  1.525613e+00
## ENSG00000068971 4.775730e+02    0.0617147306 0.15953507  3.868412e-01
## ENSG00000068976 2.798294e+01    -0.6216054774 0.34829015 -1.784735e+00
## ENSG00000068985 0.000000e+00    NA          NA          NA
## ENSG00000069011 9.845920e+01    -0.3955564468 0.78124082 -5.063182e-01
## ENSG00000069018 0.000000e+00    NA          NA          NA
## ENSG00000069020 8.358446e+02    -0.4877382912 0.12957541 -3.764127e+00
## ENSG00000069122 6.751362e+00    0.8195706474 2.11989289  3.866095e-01

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## ENSG00000069188 2.534166e+01    0.9522526798 0.81236659  1.172196e+00
## ENSG00000069206 0.000000e+00      NA          NA          NA
## ENSG00000069248 1.161608e+03    0.2908231083 0.15441207  1.883422e+00
## ENSG00000069275 5.895440e+03    -0.3278136775 0.17011812 -1.926977e+00
## ENSG00000069329 3.040008e+03    -0.2314547135 0.13732086 -1.685503e+00
## ENSG00000069345 1.281398e+03    0.0502809482 0.09438288  5.327338e-01
## ENSG00000069399 3.676153e+02    -0.4554661232 0.22610834 -2.014371e+00
## ENSG00000069424 2.011668e+02    0.3792428030 0.19790492  1.916288e+00
## ENSG00000069431 1.160205e+03    0.9795558327 0.29100997  3.366056e+00
## ENSG00000069482 5.142436e+00    -0.9405620436 0.79453792 -1.183785e+00
## ENSG00000069493 1.313465e+02    0.2970689755 0.27256661  1.089895e+00
## ENSG00000069509 1.568624e+02    0.1660503713 0.16756005  9.909903e-01
## ENSG00000069535 3.946038e+02    1.1693892524 0.37969989  3.079772e+00
## ENSG00000069667 5.691390e+02    0.3553228891 0.27916767  1.272794e+00
## ENSG00000069696 3.185614e+00    -0.3244800735 0.94393396 -3.437529e-01
## ENSG00000069702 3.920188e+03    0.0569422987 0.18925097  3.008825e-01
## ENSG00000069712 1.741383e+02    0.1592607629 0.21153358  7.528864e-01
## ENSG00000069764 2.168256e+00    0.1243909654 1.09702198  1.133897e-01
## ENSG00000069812 8.525618e+00    0.1940425067 0.91334280  2.124531e-01
## ENSG00000069849 1.721358e+03    0.0744128747 0.20914965  3.557877e-01
## ENSG00000069869 1.400736e+03    0.0299320374 0.16188904  1.848923e-01
## ENSG00000069943 2.933758e+02    -0.0615614713 0.18674068 -3.296629e-01
## ENSG00000069956 9.117974e+02    -0.1452122757 0.11860114 -1.224375e+00
## ENSG00000069966 7.766624e+02    -0.0682893849 0.13363909 -5.109986e-01
## ENSG00000069974 6.895817e+02    0.2433065068 0.17254427  1.410111e+00
## ENSG00000069998 4.525198e+02    0.7198402243 0.27679523  2.600624e+00
## ENSG00000070010 7.969956e+02    0.1739824703 0.17866685  9.737815e-01
## ENSG00000070018 9.413126e+02    -0.3766458484 0.26570056 -1.417558e+00
## ENSG00000070019 3.179722e+00    -0.2306518520 0.94017768 -2.453279e-01
## ENSG00000070031 1.149279e+00    0.4993903321 1.39786060  3.572533e-01
## ENSG00000070047 3.678802e+02    0.6094793170 2.01217255  3.028961e-01
## ENSG00000070061 9.631119e+02    -0.2173902119 0.14014865 -1.551140e+00
## ENSG00000070081 1.652139e+03    -0.4847171928 0.10518219 -4.608358e+00
## ENSG00000070087 2.488087e+03    -0.3527880328 0.09539397 -3.698222e+00
## ENSG00000070159 8.831405e+01    0.2926825387 0.40712338  7.189038e-01
## ENSG00000070182 4.181096e+00    1.0689927975 1.24570748  8.581411e-01
## ENSG00000070190 1.906450e+00    2.8364771874 1.47519536  1.922781e+00
## ENSG00000070193 1.334695e+02    -1.3343686801 0.54267301 -2.458882e+00
## ENSG00000070214 3.603549e+03    0.2512115823 0.14328427  1.753239e+00
## ENSG00000070269 4.714849e+02    -0.2461526381 0.16582709 -1.484393e+00
## ENSG00000070366 1.512684e+03    -0.3252663013 0.15138811 -2.148559e+00
## ENSG00000070367 1.539127e+03    -0.0419298481 0.12711024 -3.298699e-01
## ENSG00000070371 2.169871e+02    0.4129064695 0.23105776  1.787027e+00
## ENSG00000070388 1.077478e+01    2.5036722520 0.63566499  3.938666e+00
## ENSG00000070404 1.824482e+03    1.7290232403 0.31750743  5.445615e+00
## ENSG00000070413 2.397665e+03    0.0663559283 0.14336110  4.628587e-01
## ENSG00000070423 3.161581e+02    0.3378101504 0.15921044  2.121784e+00
## ENSG00000070444 8.483044e+02    0.1630539843 0.19575816  8.329358e-01
## ENSG00000070476 3.760388e+02    0.3443661826 0.16069280  2.143009e+00
## ENSG00000070495 2.910834e+02    0.3464486932 0.20601623  1.681657e+00
## ENSG00000070501 1.168808e+02    -0.3209963694 0.19466759 -1.648946e+00
## ENSG00000070526 6.099526e-01    -0.5711574075 2.45377362 -2.327670e-01
## ENSG00000070540 4.742957e+03    0.9040933953 0.19542145  4.626377e+00
## ENSG00000070601 2.882924e+00    0.6023555823 0.98990879  6.084960e-01

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## ENSG00000070610 8.036713e+02    0.3094887220 0.10198954  3.034514e+00
## ENSG00000070614 8.004139e+03    0.2395984412 0.17850781  1.342229e+00
## ENSG00000070669 4.269071e+02    -1.0204105251 0.15501494 -6.582659e+00
## ENSG00000070718 3.985686e+02    -0.4729864793 0.17753630 -2.664168e+00
## ENSG00000070729 2.319198e+00    -1.1760353347 1.11505700 -1.054686e+00
## ENSG00000070731 4.466527e+02    0.0953634725 0.18086972  5.272495e-01
## ENSG00000070748 0.000000e+00      NA          NA          NA
## ENSG00000070756 1.932765e+04    -0.0134220611 0.10290134 -1.304362e-01
## ENSG00000070759 1.013792e+02    -0.3840540224 0.24701301 -1.554793e+00
## ENSG00000070761 3.232037e+02    -0.1431989393 0.15847385 -9.036124e-01
## ENSG00000070770 1.357763e+03    -0.1040132402 0.10318817 -1.007996e+00
## ENSG00000070778 1.544223e+03    0.0731671628 0.11713554  6.246367e-01
## ENSG00000070785 2.849455e+02    -0.0873226042 0.14773967 -5.910573e-01
## ENSG00000070808 2.558855e+01    -1.7171151113 0.40379094 -4.252485e+00
## ENSG00000070814 7.340083e+02    -0.2220965590 0.19891005 -1.116568e+00
## ENSG00000070831 3.508518e+03    0.0415708274 0.10509545  3.955531e-01
## ENSG00000070882 1.137436e+03    -1.1223694591 0.27053705 -4.148672e+00
## ENSG00000070886 0.000000e+00      NA          NA          NA
## ENSG00000070915 1.217885e+00    0.3105614519 1.90475639  1.630452e-01
## ENSG00000070950 1.924536e+02    0.0416297157 0.28817219  1.444613e-01
## ENSG00000070961 1.647556e+03    0.5141571524 0.18508376  2.777970e+00
## ENSG00000070985 2.676833e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000071051 5.508293e+02    0.1017054003 0.10727253  9.481029e-01
## ENSG00000071054 1.232084e+04    -0.1288338862 0.07445566 -1.730344e+00
## ENSG00000071073 1.117006e+01    -0.8939891157 0.82637236 -1.081824e+00
## ENSG00000071082 1.097788e+04    0.0354752724 0.15877569  2.234301e-01
## ENSG00000071127 9.848713e+03    0.7279314845 0.19772496  3.681536e+00
## ENSG00000071189 1.215095e+03    -0.2272641322 0.15891057 -1.430139e+00
## ENSG00000071203 0.000000e+00      NA          NA          NA
## ENSG00000071205 8.965291e+02    0.4838820304 0.17636981  2.743565e+00
## ENSG00000071242 1.125113e+04    0.9012787063 0.17768639  5.072300e+00
## ENSG00000071243 1.444867e+02    -0.0064504895 0.16053551 -4.018108e-02
## ENSG00000071246 3.449179e+02    -0.1505698964 0.17994149 -8.367714e-01
## ENSG00000071282 4.091280e+03    1.5956894106 0.22995572  6.939116e+00
## ENSG00000071462 7.288433e+02    -0.1190054651 0.12913489 -9.215594e-01
## ENSG00000071537 5.599693e+03    0.1755880658 0.18161669  9.668058e-01
## ENSG00000071539 5.415266e+01    -0.3284284718 0.30925292 -1.062006e+00
## ENSG00000071553 1.671556e+03    0.0540574046 0.15225240  3.550512e-01
## ENSG00000071564 1.236773e+03    -0.4672331044 0.15502040 -3.014010e+00
## ENSG00000071575 3.743906e+02    -0.3347391899 0.27445529 -1.219649e+00
## ENSG00000071626 1.030824e+03    0.2496458267 0.10953903  2.279058e+00
## ENSG00000071655 1.342553e+03    -0.1037981174 0.11439122 -9.073959e-01
## ENSG00000071677 0.000000e+00      NA          NA          NA
## ENSG00000071794 8.543326e+02    -0.3247441970 0.13404083 -2.422726e+00
## ENSG00000071859 1.424240e+03    0.2839060807 0.13937268  2.037028e+00
## ENSG00000071889 7.344638e+02    0.2195540638 0.11062957  1.984588e+00
## ENSG00000071894 1.640596e+03    0.0743249031 0.23198834  3.203821e-01
## ENSG00000071909 2.180338e+01    -0.2379785711 0.55395788 -4.295969e-01
## ENSG00000071967 3.098924e+04    0.2238211449 0.18118165  1.235341e+00
## ENSG00000071991 2.037246e+00    -0.2026940321 1.49507579 -1.355744e-01
## ENSG00000071994 6.525938e+02    0.1299475360 0.12666165  1.025942e+00
## ENSG00000072041 5.451757e+01    -0.0149419295 0.65227555 -2.290739e-02
## ENSG00000072042 8.896410e+02    0.0766624719 0.11708450  6.547619e-01
## ENSG00000072062 1.619351e+03    -0.1006907400 0.08618678 -1.168285e+00

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## ENSG00000072071 4.298071e+02 -0.3298561195 0.24969678 -1.321027e+00
## ENSG00000072080 1.008768e+01 -0.3986888929 0.51688502 -7.713299e-01
## ENSG00000072110 1.285011e+04 0.4580032204 0.19704420 2.324368e+00
## ENSG00000072121 1.060091e+03 -0.5202335645 0.14233158 -3.655082e+00
## ENSG00000072133 2.716438e+02 -0.4211915179 0.34263541 -1.229270e+00
## ENSG00000072134 1.158814e+03 0.3733924614 0.14646496 2.549364e+00
## ENSG00000072135 4.029853e+02 0.4003555809 0.18363963 2.180115e+00
## ENSG00000072163 6.734853e+02 1.2948034303 0.34714239 3.729891e+00
## ENSG00000072182 1.045626e+00 -2.5678331869 1.82086327 -1.410228e+00
## ENSG00000072195 1.199835e+03 -0.3434979731 0.17288173 -1.986896e+00
## ENSG00000072201 2.379416e+02 0.3476110720 0.29610048 1.173963e+00
## ENSG00000072210 9.562391e+02 -1.0693205548 0.16940322 -6.312280e+00
## ENSG00000072274 4.396657e+03 0.2491638371 0.17401911 1.431819e+00
## ENSG00000072310 1.587094e+03 -0.7954325736 0.28937904 -2.748757e+00
## ENSG00000072315 3.174503e+00 -1.6293338893 1.38817829 -1.173721e+00
## ENSG00000072364 3.499262e+03 -0.0528193368 0.14106429 -3.744345e-01
## ENSG00000072401 5.765461e+02 0.1763526960 0.12758659 1.382220e+00
## ENSG00000072415 8.145379e+02 -0.2331308189 0.09793752 -2.380404e+00
## ENSG00000072422 7.769639e+02 0.1461032340 0.14756143 9.901181e-01
## ENSG00000072501 1.238206e+03 -0.2313194883 0.18544633 -1.247366e+00
## ENSG00000072506 4.857156e+02 0.2544874176 0.14941672 1.703206e+00
## ENSG00000072518 4.084097e+02 -0.0741378794 0.12765091 -5.807862e-01
## ENSG00000072571 4.045810e+01 1.3113757245 0.37706021 3.477895e+00
## ENSG00000072609 5.175975e+02 -0.0283193752 0.18010730 -1.572361e-01
## ENSG00000072657 1.434002e+03 -0.1310993364 0.29976551 -4.373396e-01
## ENSG00000072682 4.022320e+03 -0.3110607858 0.14020401 -2.218630e+00
## ENSG00000072694 1.318739e+00 -1.9358429766 1.59131771 -1.216503e+00
## ENSG00000072736 5.733414e+02 0.0932240453 0.14053697 6.633418e-01
## ENSG00000072756 3.044344e+02 0.0369792320 0.19730789 1.874189e-01
## ENSG00000072778 3.370547e+03 0.0155679390 0.18278546 8.517056e-02
## ENSG00000072786 7.386969e+02 0.2650759439 0.11720945 2.261558e+00
## ENSG00000072803 1.641955e+03 -0.0967592186 0.08672164 -1.115745e+00
## ENSG00000072818 6.207127e+01 0.0094456683 0.38150010 2.475928e-02
## ENSG00000072832 5.375110e+02 -0.1721167640 0.10084184 -1.706799e+00
## ENSG00000072840 2.961501e+03 -0.1397638895 0.13465330 -1.037954e+00
## ENSG00000072849 6.543099e+02 -0.0068675330 0.13506712 -5.084534e-02
## ENSG00000072858 6.747036e+00 -0.0355736982 0.70955399 -5.013529e-02
## ENSG00000072864 1.672994e+02 0.2885981517 0.21240894 1.358691e+00
## ENSG00000072952 5.654144e+03 0.4617275458 0.29727099 1.553221e+00
## ENSG00000072954 7.124710e+01 -0.1387466284 0.23603381 -5.878252e-01
## ENSG00000072958 2.239045e+03 1.1018471095 0.12325816 8.939344e+00
## ENSG00000073008 1.619494e+03 -0.3950316139 0.35637292 -1.108478e+00
## ENSG00000073050 4.398031e+02 -0.1721332647 0.16947379 -1.015693e+00
## ENSG00000073060 3.115402e+02 -0.4777893906 0.29040365 -1.645260e+00
## ENSG00000073067 1.429111e+00 0.0683696471 1.69968466 4.022490e-02
## ENSG00000073111 1.661357e+02 -0.6865246015 0.17422059 -3.940548e+00
## ENSG00000073146 8.643088e+01 -0.9627455733 0.28974522 -3.322731e+00
## ENSG00000073150 6.606282e+01 -0.4064684844 0.39332779 -1.033409e+00
## ENSG00000073169 4.812098e+02 0.5286449074 0.15283153 3.459004e+00
## ENSG00000073282 1.793697e+00 -0.5559916878 2.01620654 -2.757613e-01
## ENSG00000073331 5.729619e+02 -0.4556163214 0.15447893 -2.949375e+00
## ENSG00000073350 3.660756e+00 -0.3455340949 1.04840701 -3.295801e-01
## ENSG00000073417 6.713877e+02 0.0106368715 0.13994445 7.600781e-02
## ENSG00000073464 5.862260e+02 0.3855461136 0.24377158 1.581588e+00

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## ENSG00000073536 3.438742e+02 -0.3677407898 0.25373568 -1.449307e+00
## ENSG00000073578 2.191924e+03 0.0063027189 0.11308412 5.573478e-02
## ENSG00000073584 2.979454e+03 -0.2720463305 0.12097872 -2.248712e+00
## ENSG00000073598 1.987380e+00 -0.0398052476 1.43127900 -2.781096e-02
## ENSG00000073605 1.878142e+02 -0.2834650562 0.20922900 -1.354808e+00
## ENSG00000073614 1.620901e+03 -0.0257359570 0.12761056 -2.016758e-01
## ENSG00000073670 3.499779e+01 -0.4085839350 0.36637443 -1.115209e+00
## ENSG00000073711 7.591881e+02 -0.3370756437 0.15648353 -2.154065e+00
## ENSG00000073712 3.869603e+03 0.6143450924 0.12039609 5.102700e+00
## ENSG00000073734 0.000000e+00 NA NA NA
## ENSG00000073737 4.988601e-01 2.5434201431 2.96004587 8.592502e-01
## ENSG00000073754 4.544439e-01 1.2391678955 3.08441628 4.017512e-01
## ENSG00000073756 7.281193e+01 -1.2903669068 0.44418845 -2.904999e+00
## ENSG00000073792 2.530974e+03 0.8975580409 0.16575402 5.415000e+00
## ENSG00000073803 2.802102e+02 0.0767604132 0.15073975 5.092248e-01
## ENSG00000073849 2.887906e+01 -0.0368244439 0.58779610 -6.264833e-02
## ENSG00000073861 0.000000e+00 NA NA NA
## ENSG00000073905 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000073910 1.503437e+03 0.6701707380 0.32939689 2.034539e+00
## ENSG00000073921 3.870608e+03 0.1953155911 0.12934510 1.510035e+00
## ENSG00000073969 4.961916e+02 -0.0374691057 0.24196030 -1.548564e-01
## ENSG00000074047 3.681986e+02 -0.4744481162 0.26484743 -1.791402e+00
## ENSG00000074054 1.631252e+03 0.1258413416 0.12328368 1.020746e+00
## ENSG00000074071 5.475170e+02 0.0648624235 0.16935761 3.829909e-01
## ENSG00000074181 9.094416e+02 0.7161802816 0.27247773 2.628399e+00
## ENSG00000074201 1.092283e+03 -0.2268318305 0.07857079 -2.886974e+00
## ENSG00000074211 1.563207e+01 1.5269507991 0.68786000 2.219857e+00
## ENSG00000074219 5.727686e+02 -0.7722377207 0.14850774 -5.199983e+00
## ENSG00000074266 2.336763e+02 -0.0406164425 0.17584659 -2.309766e-01
## ENSG00000074276 5.212451e+00 -1.0042080249 0.89330428 -1.124150e+00
## ENSG00000074317 1.014056e+00 2.6811328232 2.14471346 1.250112e+00
## ENSG00000074319 1.082065e+03 0.2743616773 0.14540686 1.886855e+00
## ENSG00000074356 1.055838e+03 0.0169431859 0.17450285 9.709404e-02
## ENSG00000074370 7.114008e+01 -0.0325298209 0.51716222 -6.290061e-02
## ENSG00000074410 2.941257e+03 -0.8305742190 0.36631503 -2.267377e+00
## ENSG00000074416 4.348724e+03 0.4781073398 0.19101810 2.502943e+00
## ENSG00000074527 4.129626e+03 0.9371874285 0.43172570 2.170794e+00
## ENSG00000074582 3.342650e+02 0.0667233487 0.24233811 2.753316e-01
## ENSG00000074590 4.152402e+02 1.1768140085 0.24472494 4.808721e+00
## ENSG00000074603 1.317648e+03 0.0819739553 0.10796520 7.592628e-01
## ENSG00000074621 4.881092e+02 0.0795158868 0.15641579 5.083623e-01
## ENSG00000074657 3.003747e+03 -0.0607664493 0.14746807 -4.120651e-01
## ENSG00000074660 1.570108e+01 1.1425099571 0.46092488 2.478734e+00
## ENSG00000074695 3.792870e+03 -0.2378830916 0.10181670 -2.336386e+00
## ENSG00000074696 2.058819e+03 -0.1732803283 0.10391070 -1.667589e+00
## ENSG00000074706 2.916953e+01 -0.2077258604 0.56783893 -3.658183e-01
## ENSG00000074755 1.874631e+03 0.0870201718 0.10202799 8.529049e-01
## ENSG00000074771 0.000000e+00 NA NA NA
## ENSG00000074800 1.415795e+04 0.3141220100 0.27056767 1.160974e+00
## ENSG00000074803 1.221757e+01 -1.0992954987 1.32640033 -8.287811e-01
## ENSG00000074842 1.517030e+03 0.1973125166 0.11940223 1.652503e+00
## ENSG00000074855 1.616978e+02 -0.3730540242 0.25831393 -1.444189e+00
## ENSG00000074935 2.731115e+02 -0.6624850810 0.15540093 -4.263070e+00
## ENSG00000074964 7.500281e+02 0.0979169569 0.10490187 9.334148e-01

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## ENSG00000074966 3.894602e+00 -0.5408256812 1.08701079 -4.975348e-01
## ENSG00000075035 5.469813e-01 0.2771272161 2.53607088 1.092742e-01
## ENSG00000075043 0.000000e+00 NA NA NA
## ENSG00000075073 6.955249e+00 -0.6601578718 0.64730252 -1.019860e+00
## ENSG00000075089 2.793108e+02 -0.0556528790 0.18536494 -3.002341e-01
## ENSG00000075131 8.222290e+01 -0.6173889348 0.36274042 -1.702013e+00
## ENSG00000075142 1.478080e+03 0.4151460106 0.10003758 4.149901e+00
## ENSG00000075151 3.388443e+03 -0.1999921770 0.17122391 -1.168015e+00
## ENSG00000075188 4.477773e+02 -0.2194262748 0.16846434 -1.302509e+00
## ENSG00000075213 7.328008e+02 -1.2709705564 0.22888839 -5.552796e+00
## ENSG00000075218 1.736674e+01 0.2472355845 0.54823621 4.509654e-01
## ENSG00000075223 3.144562e+03 -0.2632761595 0.28600141 -9.205415e-01
## ENSG00000075234 5.010120e+02 0.3000433763 0.21441761 1.399341e+00
## ENSG00000075239 1.161933e+03 0.1913964192 0.19291975 9.921038e-01
## ENSG00000075240 5.686477e+02 -1.0055144173 0.20105977 -5.001072e+00
## ENSG00000075275 9.267357e+00 -1.4006283818 0.99891814 -1.402145e+00
## ENSG00000075290 1.142653e+00 -2.5676177022 1.75453566 -1.463417e+00
## ENSG00000075292 1.964049e+03 0.0610979040 0.12018674 5.083581e-01
## ENSG00000075303 2.307359e+02 -0.2990752640 0.22090417 -1.353869e+00
## ENSG00000075336 2.847440e+02 -0.1787517207 0.13506077 -1.323491e+00
## ENSG00000075340 4.237473e+00 -2.5087580898 1.16567112 -2.152201e+00
## ENSG00000075388 0.000000e+00 NA NA NA
## ENSG00000075391 9.436254e+02 0.3800487676 0.17294886 2.197463e+00
## ENSG00000075399 6.348698e+02 0.0691144786 0.17807635 3.881171e-01
## ENSG00000075407 9.557330e+02 -0.0386398748 0.18521265 -2.086244e-01
## ENSG00000075413 1.204070e+03 -0.0595595393 0.10159418 -5.862495e-01
## ENSG00000075415 6.680809e+03 0.2370410123 0.09726369 2.437097e+00
## ENSG00000075420 5.868852e+03 0.6420266442 0.16775584 3.827149e+00
## ENSG00000075426 3.143977e+03 0.2771849814 0.12350613 2.244301e+00
## ENSG00000075429 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000075461 0.000000e+00 NA NA NA
## ENSG00000075539 1.146030e+03 0.4046854482 0.13435979 3.011954e+00
## ENSG00000075568 1.882241e+03 -0.1976681847 0.11802114 -1.674854e+00
## ENSG00000075618 2.640652e+03 -0.4224178051 0.26363227 -1.602299e+00
## ENSG00000075624 8.675327e+04 0.9226830946 0.19475329 4.737702e+00
## ENSG00000075643 2.291775e+02 0.0922559639 0.27443285 3.361695e-01
## ENSG00000075651 8.002743e+02 -0.4747310024 0.23543156 -2.016429e+00
## ENSG00000075673 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000075702 2.372434e+01 -0.2447775250 0.37978298 -6.445195e-01
## ENSG00000075711 1.289549e+03 0.0489432857 0.10428395 4.693271e-01
## ENSG00000075785 8.242334e+03 -0.0435096758 0.18724950 -2.323620e-01
## ENSG00000075790 9.754181e+02 0.2034956264 0.15433507 1.318531e+00
## ENSG00000075826 3.613254e+02 0.0203392185 0.21694548 9.375267e-02
## ENSG00000075856 9.185783e+02 -0.0609104014 0.09331283 -6.527548e-01
## ENSG00000075884 8.617391e+00 0.0401390156 0.71320545 5.627974e-02
## ENSG00000075886 5.788640e+00 -0.4247452767 1.14417301 -3.712247e-01
## ENSG00000075891 0.000000e+00 NA NA NA
## ENSG00000075914 4.293074e+02 0.1466548876 0.13742942 1.067129e+00
## ENSG00000075945 8.860473e+02 -0.2726642176 0.13858061 -1.967550e+00
## ENSG00000075975 9.600170e+02 0.5208954465 0.15264272 3.412514e+00
## ENSG00000076003 5.309843e+02 -0.0549334968 0.23612266 -2.326481e-01
## ENSG00000076043 1.823736e+03 0.0171989643 0.11994073 1.433955e-01
## ENSG00000076053 5.618330e+02 -0.1286735650 0.16388666 -7.851375e-01
## ENSG00000076067 1.662344e+03 -0.1507146365 0.19017857 -7.924901e-01

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## ENSG00000076108 2.047686e+03    0.0525769262 0.13000084  4.044353e-01
## ENSG00000076201 1.355548e+03    0.0191233201 0.11522406  1.659664e-01
## ENSG00000076242 5.500191e+02   -0.3488511885 0.12741608 -2.737890e+00
## ENSG00000076248 3.157419e+02   -0.2487228745 0.11248829 -2.211100e+00
## ENSG00000076258 1.184905e+02   -0.1042625691 0.32690457 -3.189389e-01
## ENSG00000076321 8.017576e+02   -0.1880487056 0.10756732 -1.748195e+00
## ENSG00000076344 2.934963e+02    0.3473687132 0.28846326  1.204204e+00
## ENSG00000076351 1.598319e+02    0.2295457348 0.22341075  1.027461e+00
## ENSG00000076356 2.460934e+02   -0.6404185174 0.29176380 -2.194990e+00
## ENSG00000076382 6.908871e+01    0.0631902822 0.30891661  2.045545e-01
## ENSG00000076513 6.780421e+03    0.6679266205 0.12776725  5.227683e+00
## ENSG00000076554 2.454403e+00    0.4837695511 1.21689082  3.975456e-01
## ENSG00000076555 4.049648e+02    0.1610533346 0.37777112  4.263252e-01
## ENSG00000076604 3.086644e+02   -0.6738514478 0.20328477 -3.314815e+00
## ENSG00000076641 2.971209e+02   -0.2149865378 0.35615507 -6.036318e-01
## ENSG00000076650 1.641552e+02   -0.3645156221 0.27366935 -1.331956e+00
## ENSG00000076662 1.443417e+02    0.4797845593 0.26590538  1.804343e+00
## ENSG00000076685 2.063619e+03    0.4536148574 0.15357091  2.953781e+00
## ENSG00000076706 8.013595e+01     1.2696437764 0.70415095  1.803085e+00
## ENSG00000076716 4.690008e+02    0.9815351643 0.26564354  3.694933e+00
## ENSG00000076770 1.302070e+02   -0.5379829650 0.20556978 -2.617033e+00
## ENSG00000076826 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000076864 8.963324e+00    0.0753902811 0.65600966  1.149225e-01
## ENSG00000076924 7.582802e+02    0.0177826147 0.14408694  1.234159e-01
## ENSG00000076928 1.213735e+03    0.2616358732 0.13985957  1.870704e+00
## ENSG00000076944 7.095250e+01    0.1455775337 0.54632882  2.664650e-01
## ENSG00000076984 7.654579e+02    0.0338149597 0.12578375  2.688341e-01
## ENSG00000077009 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000077044 1.187640e+02    0.1292804198 0.17566707  7.359400e-01
## ENSG00000077063 3.464583e+02   -1.0737446773 0.28515695 -3.765451e+00
## ENSG00000077080 0.000000e+00      NA          NA          NA
## ENSG00000077092 2.791893e+02   -0.3809779145 0.38073795 -1.000630e+00
## ENSG00000077097 3.338243e+03   -0.0832362609 0.09233784 -9.014318e-01
## ENSG00000077147 5.068154e+03    0.1383087895 0.11833610  1.168779e+00
## ENSG00000077150 5.840146e+02    0.2379562919 0.11322323  2.101656e+00
## ENSG00000077152 4.694015e+01   -0.3001740479 0.29098016 -1.031596e+00
## ENSG00000077157 1.859288e+03    0.7788942322 0.59299036  1.313502e+00
## ENSG00000077232 3.661781e+03   -0.0068808716 0.14171143 -4.855551e-02
## ENSG00000077235 2.384053e+03   -0.3345384831 0.09322672 -3.588440e+00
## ENSG00000077238 4.799421e+02    0.3038410570 0.23309291  1.303519e+00
## ENSG00000077254 2.760441e+03    0.8076885053 0.10693476  7.553096e+00
## ENSG00000077264 8.685285e+01   -1.3017688178 0.50599502 -2.572691e+00
## ENSG00000077274 1.617980e+00   -0.1916895957 1.34580208 -1.424352e-01
## ENSG00000077279 2.170720e+00   -0.56655556708 1.15006775 -4.926281e-01
## ENSG00000077312 4.210578e+02   -0.3694663852 0.13459374 -2.745049e+00
## ENSG00000077327 1.862932e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000077348 6.659833e+01    0.2146334764 0.25627113  8.375250e-01
## ENSG00000077380 2.998560e+03   -0.0719591914 0.12573289 -5.723180e-01
## ENSG00000077420 4.151472e+02   -0.1738818938 0.27605749 -6.298757e-01
## ENSG00000077454 5.942229e+02   -0.0914194393 0.15820434 -5.778567e-01
## ENSG00000077458 3.519415e+02    0.0864944707 0.20593220  4.200143e-01
## ENSG00000077463 2.030586e+02    0.0445090264 0.20109417  2.213343e-01
## ENSG00000077498 7.113266e-01   -1.9441391396 2.82459838 -6.882887e-01
## ENSG00000077514 3.903400e+02   -0.2143894720 0.12050143 -1.779145e+00

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## ENSG00000077522 1.163520e+01    2.2674411528 1.33500240 1.698455e+00
## ENSG00000077549 5.049691e+03    0.3059194298 0.11167850 2.739287e+00
## ENSG00000077585 6.821168e+02    0.4422464480 0.13784825 3.208212e+00
## ENSG00000077616 3.623525e+01    -1.1280107136 0.56422380 -1.999226e+00
## ENSG00000077684 1.762183e+03    1.1895834188 0.11871263 1.002070e+01
## ENSG00000077713 5.864067e+02    0.4488651327 0.16809782 2.670262e+00
## ENSG00000077721 1.493936e+03    0.0857034141 0.11012265 7.782542e-01
## ENSG00000077782 1.595501e+04    0.0331881275 0.09819815 3.379710e-01
## ENSG00000077800 4.613532e+00    0.1054874267 0.81062289 1.301313e-01
## ENSG00000077935 3.117837e+00    -0.5992068798 1.05147404 -5.698732e-01
## ENSG00000077942 1.635185e+05    0.0123707742 0.09775367 1.265505e-01
## ENSG00000077943 4.757321e+02    1.0495705731 0.33028452 3.177777e+00
## ENSG00000077984 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000078018 1.777836e+03    0.9103568227 0.83943937 1.084482e+00
## ENSG00000078043 6.317020e+02    -0.1199400980 0.12668294 -9.467738e-01
## ENSG00000078053 3.590851e+02    1.0804612299 0.19503655 5.539789e+00
## ENSG00000078061 8.939518e+02    0.1119884398 0.08349108 1.341322e+00
## ENSG00000078070 5.630319e+02    0.5300391611 0.17574945 3.015879e+00
## ENSG00000078081 1.440950e+01    -0.4624007431 0.91795249 -5.037306e-01
## ENSG00000078098 3.194101e+03    0.0674202971 0.22242787 3.031108e-01
## ENSG00000078114 1.281418e+01    -0.2748623496 1.07357170 -2.560261e-01
## ENSG00000078124 3.274095e+02    0.8686528644 0.20832809 4.169639e+00
## ENSG00000078140 9.910943e+02    0.1184160493 0.12833636 9.227007e-01
## ENSG00000078142 1.109377e+03    0.3505463628 0.14412420 2.432252e+00
## ENSG00000078177 4.567141e+02    0.4556009675 0.15007733 3.035775e+00
## ENSG00000078237 3.517711e+02    -0.2129311422 0.29019858 -7.337429e-01
## ENSG00000078246 1.321307e+03    0.0056134228 0.09839217 5.705152e-02
## ENSG00000078269 1.102962e+03    -0.5251612442 0.18192820 -2.886640e+00
## ENSG00000078295 3.534841e+01    0.2566999571 0.78091824 3.287155e-01
## ENSG00000078304 2.301658e+03    -0.0441431677 0.08313663 -5.309713e-01
## ENSG00000078319 5.536005e+01    0.1159174806 0.24478555 4.735471e-01
## ENSG00000078328 0.000000e+00    NA NA NA
## ENSG00000078369 7.177746e+03    0.0979592860 0.12305369 7.960694e-01
## ENSG00000078399 0.000000e+00    NA NA NA
## ENSG00000078401 1.768165e+01    0.1490983141 0.48634838 3.065669e-01
## ENSG00000078403 6.562266e+02    -0.0639324466 0.16570480 -3.858213e-01
## ENSG00000078487 1.789494e+02    0.0460524562 0.22380783 2.057679e-01
## ENSG00000078549 1.326136e+00    -2.1036846255 1.81328259 -1.160153e+00
## ENSG00000078579 9.483396e-01    0.2007088633 1.89863874 1.057120e-01
## ENSG00000078589 0.000000e+00    NA NA NA
## ENSG00000078596 6.052151e+00    0.4073678240 1.29864156 3.136877e-01
## ENSG00000078618 3.417435e+03    0.1351384956 0.07684117 1.758673e+00
## ENSG00000078668 1.149251e+03    0.0219046011 0.08975786 2.440410e-01
## ENSG00000078674 2.913289e+03    -0.3667944994 0.07033617 -5.214877e+00
## ENSG00000078687 4.512198e+02    -0.3450523916 0.18384957 -1.876819e+00
## ENSG00000078699 5.085782e+02    -0.5926613496 0.14484282 -4.091755e+00
## ENSG00000078725 3.046887e+01    -1.0059565145 0.44689819 -2.250975e+00
## ENSG00000078747 1.536494e+03    0.1464538700 0.12469856 1.174463e+00
## ENSG00000078795 6.508129e+00    0.8979831205 0.69158644 1.298439e+00
## ENSG00000078804 8.416001e+02    0.6139641845 0.18363993 3.343304e+00
## ENSG00000078808 4.823243e+03    0.1048050137 0.11117627 9.426923e-01
## ENSG00000078814 3.826018e+01    0.4263200228 0.35738732 1.192880e+00
## ENSG00000078898 0.000000e+00    NA NA NA
## ENSG00000078900 1.201297e+01    -0.0139214584 0.48271085 -2.884016e-02

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## ENSG00000078902 1.125925e+03    0.0211657631 0.12957454  1.633482e-01
## ENSG00000078967 3.146685e+02   -0.3619437442 0.14817948 -2.442604e+00
## ENSG00000079101 1.661833e+01   -1.2833858295 0.70010495 -1.833133e+00
## ENSG00000079102 9.588799e+02   -0.3577933336 0.15491271 -2.309645e+00
## ENSG00000079112 8.333900e+00   -0.9530740577 0.63082603 -1.510835e+00
## ENSG00000079134 3.522556e+02   -0.3768208103 0.13181211 -2.858772e+00
## ENSG00000079150 6.713026e+02   -0.3498504936 0.16047751 -2.180059e+00
## ENSG00000079156 2.846217e+01   -0.5863504236 0.44981417 -1.303539e+00
## ENSG00000079215 6.655680e+01   -0.2122102600 0.42967655 -4.938837e-01
## ENSG00000079246 5.086547e+03    0.1656580020 0.10575704  1.566402e+00
## ENSG00000079257 1.754654e+03   -0.9686701051 0.46362653 -2.089333e+00
## ENSG00000079263 6.871489e+00   -0.2627426095 0.85252594 -3.081931e-01
## ENSG00000079277 5.542398e+02    0.0003981227 0.14254175  2.793025e-03
## ENSG00000079308 7.589589e+03   -0.2682124610 0.11928850 -2.248435e+00
## ENSG00000079313 4.063876e+02    0.3384065231 0.17162443  1.971785e+00
## ENSG00000079332 3.450499e+03    0.3318572843 0.11954761  2.775942e+00
## ENSG00000079335 6.467101e+01   -0.4167568285 0.28517961 -1.461384e+00
## ENSG00000079337 1.050853e+02   -0.5095784302 0.34240174 -1.488247e+00
## ENSG00000079385 6.364960e+00   -0.4199654113 1.08183986 -3.881955e-01
## ENSG00000079387 4.181158e+02   -0.0024289140 0.14587717 -1.665040e-02
## ENSG00000079393 3.825780e-01    0.8194074584 3.24082488  2.528392e-01
## ENSG00000079432 2.082929e+03   -0.4723936437 0.10365131 -4.557527e+00
## ENSG00000079435 4.244474e+01    0.5113215202 0.29290572  1.745686e+00
## ENSG00000079459 9.683347e+02    0.0259914592 0.12375546  2.100227e-01
## ENSG00000079462 8.304466e+01   -1.1310371491 0.19577153 -5.777332e+00
## ENSG00000079482 3.375035e+02   -0.0398527489 0.12277757 -3.245931e-01
## ENSG00000079557 0.000000e+00      NA          NA          NA
## ENSG00000079616 1.845822e+02   -0.0288253117 0.17589960 -1.638737e-01
## ENSG00000079689 0.000000e+00      NA          NA          NA
## ENSG00000079691 1.515598e+03    1.1701183042 0.18758879  6.237677e+00
## ENSG00000079739 1.449707e+03    0.2131518510 0.16819886  1.267261e+00
## ENSG00000079785 1.854250e+03    0.0758036673 0.10897121  6.956302e-01
## ENSG00000079805 2.339954e+03    0.0860229177 0.06683443  1.287105e+00
## ENSG00000079819 7.360013e+03   -0.4026495130 0.15553411 -2.588818e+00
## ENSG00000079841 4.232403e+01    0.8854786450 0.70085657  1.263423e+00
## ENSG00000079931 5.802267e+03   -0.3120627898 0.17679997 -1.765061e+00
## ENSG00000079950 1.395303e+03    0.2924285773 0.14060330  2.079813e+00
## ENSG00000079974 4.979305e+02   -0.0437984884 0.17291357 -2.532970e-01
## ENSG00000079999 1.587779e+03    0.0764665944 0.13736806  5.566548e-01
## ENSG00000080007 2.511706e+01   -0.9752212102 0.77021552 -1.266167e+00
## ENSG00000080031 2.965161e+01   -0.8630500582 0.72454979 -1.191154e+00
## ENSG00000080166 5.687037e+00   -0.4428569379 0.74380721 -5.953921e-01
## ENSG00000080189 7.588175e+02    0.0686426941 0.14483716  4.739301e-01
## ENSG00000080200 1.676415e+03   -0.6436153704 0.12428721 -5.178452e+00
## ENSG00000080224 4.915766e-01    2.5253065930 2.96766805  8.509397e-01
## ENSG00000080293 3.647054e-01    0.8191837170 3.28322849  2.495055e-01
## ENSG00000080298 1.283348e+02   -0.2453391673 0.20424609 -1.201194e+00
## ENSG00000080345 1.298918e+03    0.1066019495 0.13117076  8.126960e-01
## ENSG00000080371 1.132222e+03   -0.1960287370 0.12045689  1.627377e+00
## ENSG00000080493 2.962776e+02   -0.8257338532 0.25148444 -3.283439e+00
## ENSG00000080503 3.505190e+03   -0.0055794641 0.17710603 -3.150352e-02
## ENSG00000080511 9.722218e-01   -1.2548995257 1.91741289 -6.544754e-01
## ENSG00000080546 7.357810e+02   -0.3098395699 0.09440869 -3.281897e+00
## ENSG00000080561 1.534172e+02   -0.0369629855 0.18547085  1.992927e-01

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## ENSG00000080572 8.706105e-01 -1.1257405525 1.96388668 -5.732207e-01
## ENSG00000080573 3.387665e+02 0.9010537446 0.32366835 2.783880e+00
## ENSG00000080603 2.387055e+03 -0.0782356216 0.11059949 -7.073778e-01
## ENSG00000080608 4.539783e+02 0.1372998958 0.18025374 7.617035e-01
## ENSG00000080618 2.286975e-01 -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000080644 3.319775e-01 -0.5489483375 3.38908478 -1.619754e-01
## ENSG00000080709 7.467400e+00 0.3035797686 0.61111828 4.967611e-01
## ENSG00000080802 5.649510e+02 -0.0986766497 0.12251378 -8.054331e-01
## ENSG00000080815 1.800451e+03 0.5037492955 0.13673404 3.684154e+00
## ENSG00000080819 5.122141e+02 0.0368901945 0.17281024 2.134723e-01
## ENSG00000080822 1.023227e+03 0.4653606062 0.11097735 4.193294e+00
## ENSG00000080823 1.293322e+02 -0.5916056592 0.19790635 -2.989321e+00
## ENSG00000080824 1.508823e+04 -0.3870531018 0.13985617 -2.767508e+00
## ENSG00000080839 1.504401e+02 0.0466206104 0.37740668 1.235288e-01
## ENSG00000080845 2.199977e+03 -0.2156524358 0.07552226 -2.855482e+00
## ENSG00000080854 4.993890e-01 -1.1912622018 3.48084537 -3.422336e-01
## ENSG00000080910 0.000000e+00 NA NA NA
## ENSG00000080947 1.415952e+02 -0.6866276804 0.25631489 -2.678844e+00
## ENSG00000080986 4.649064e+01 0.2750211758 0.37920739 7.252527e-01
## ENSG00000081014 5.069203e+02 -0.0257756646 0.14630647 -1.761758e-01
## ENSG00000081019 3.628565e+02 0.0447041347 0.13809996 3.237085e-01
## ENSG00000081026 3.058299e+02 -0.2888768957 0.12798372 -2.257138e+00
## ENSG00000081041 2.096030e+00 -1.1093348403 1.40826828 -7.877298e-01
## ENSG00000081051 4.086835e+00 -0.8074679913 0.97157514 -8.310917e-01
## ENSG00000081052 2.094212e+02 2.0067071485 0.42644009 4.705719e+00
## ENSG00000081059 6.203155e+01 -0.2842349344 0.36022175 -7.890554e-01
## ENSG00000081087 1.173837e+03 0.4250523555 0.14191871 2.995041e+00
## ENSG00000081138 5.041380e+00 -0.1885888517 0.82084781 -2.297489e-01
## ENSG00000081148 9.543890e+00 -0.4396844799 0.56536242 -7.777038e-01
## ENSG00000081154 2.747004e+03 -0.1291262194 0.09143236 -1.412259e+00
## ENSG00000081177 4.552923e+02 0.1516527727 0.20552260 7.378886e-01
## ENSG00000081181 1.563290e+01 0.3805073480 0.52555563 7.240096e-01
## ENSG00000081189 1.348537e+02 -0.5219343015 0.19763037 -2.640962e+00
## ENSG00000081237 9.470577e+00 -0.0150390098 0.52874602 -2.844279e-02
## ENSG00000081248 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000081277 3.021006e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000081307 8.538469e+02 -0.3097010786 0.13796624 -2.244760e+00
## ENSG00000081320 1.481817e+03 0.9897868674 0.30956833 3.197313e+00
## ENSG00000081377 2.348272e+03 0.8157784878 0.15984766 5.103475e+00
## ENSG00000081386 2.963017e+02 -0.2432818156 0.17849120 -1.362991e+00
## ENSG00000081479 5.160196e+00 -1.3771011014 0.88477858 -1.556436e+00
## ENSG00000081665 1.664552e+02 -0.5785951130 0.34678378 -1.668461e+00
## ENSG00000081692 2.683055e+02 -0.4128408564 0.15175563 -2.720432e+00
## ENSG00000081721 2.199346e+02 -0.3080440194 0.15948554 -1.931486e+00
## ENSG00000081760 3.895588e+02 -0.0935997362 0.15008654 -6.236385e-01
## ENSG00000081791 1.024733e+03 -0.1206998014 0.10343809 -1.166880e+00
## ENSG00000081800 1.958124e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000081803 1.192420e+03 1.5004344931 0.72579087 2.067310e+00
## ENSG00000081818 1.893269e+01 0.2060802365 0.65486425 3.146915e-01
## ENSG00000081842 7.278646e+00 0.5350882830 0.73459457 7.284131e-01
## ENSG00000081853 3.505484e+02 -0.1207468872 0.44217332 -2.730759e-01
## ENSG00000081870 2.412563e+02 0.3235614275 0.12404192 2.608485e+00
## ENSG00000081913 2.411037e+02 -0.0873283254 0.33181158 -2.631865e-01
## ENSG00000081923 1.528106e+03 0.1320885224 0.17238962 7.662209e-01

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```

## ENSG00000081985 3.268503e+00    1.3616944053 1.14359157 1.190717e+00
## ENSG00000082014 8.372933e+02    0.0953069579 0.10499738 9.077080e-01
## ENSG00000082068 6.134478e+02    0.1059351526 0.14208002 7.456020e-01
## ENSG00000082074 5.794624e+00    -0.3352102512 0.84634584 -3.960677e-01
## ENSG00000082126 2.342895e+01    1.1803671036 0.47158387 2.502984e+00
## ENSG00000082146 1.109003e+03    0.9216316971 0.18130777 5.083244e+00
## ENSG00000082153 5.780264e+03    0.2528381556 0.10581915 2.389342e+00
## ENSG00000082175 9.535968e+00    0.4258448006 1.02923911 4.137472e-01
## ENSG00000082196 2.326008e+01    -0.4560208712 0.53829285 -8.471613e-01
## ENSG00000082212 4.924052e+02    -0.1188555808 0.12509969 -9.500869e-01
## ENSG00000082213 4.225001e+02    0.0372931831 0.17094186 2.181630e-01
## ENSG00000082258 6.819270e+02    0.0677522958 0.11009347 6.154070e-01
## ENSG00000082269 2.165577e+02    -0.4904900007 0.21731928 -2.257002e+00
## ENSG00000082293 5.874212e+00    -0.0287900478 0.72734313 -3.958248e-02
## ENSG00000082397 5.296572e+02    -0.2511835453 0.85229311 -2.947150e-01
## ENSG00000082438 8.323377e+02    -0.2478516987 0.24233602 -1.022760e+00
## ENSG00000082458 3.992712e+02    -0.8047868158 0.18013845 -4.467601e+00
## ENSG00000082482 4.563951e+01    -0.6411558295 0.44491263 -1.441083e+00
## ENSG00000082497 6.382467e+00    -0.2217263226 0.79679315 -2.782734e-01
## ENSG00000082512 4.477579e+02    0.2696560829 0.15261190 1.766940e+00
## ENSG00000082515 2.323507e+02    0.0461589306 0.18255877 2.528442e-01
## ENSG00000082516 4.588379e+02    0.1944007541 0.12914316 1.505312e+00
## ENSG00000082556 6.644275e-01    -1.0413091717 2.39876885 -4.341015e-01
## ENSG00000082641 1.178814e+04    0.2007046431 0.13288894 1.510319e+00
## ENSG00000082684 3.989134e-01    -0.5091316996 3.22205928 -1.580144e-01
## ENSG00000082701 1.465458e+03    -0.1045361063 0.14087344 -7.420569e-01
## ENSG00000082781 7.148340e+03    0.0112587847 0.13837407 8.136485e-02
## ENSG00000082805 1.045555e+03    0.0698640549 0.16654260 4.194966e-01
## ENSG00000082898 2.659874e+03    -0.2448068702 0.10602266 -2.309005e+00
## ENSG00000082996 1.080627e+03    0.2981448118 0.14707356 2.027182e+00
## ENSG00000083067 1.609503e+01    -0.4828723011 0.57044739 -8.464800e-01
## ENSG00000083093 2.101133e+02    -0.2130643228 0.15605978 -1.365274e+00
## ENSG00000083097 5.283777e+02    -0.5411335250 0.14640094 -3.696244e+00
## ENSG00000083099 5.649832e+02    -0.2650446716 0.15560159 -1.703355e+00
## ENSG00000083123 3.459175e+02    0.4627717310 0.21400053 2.162479e+00
## ENSG00000083168 1.306142e+03    -0.3628058376 0.12777330 -2.839450e+00
## ENSG00000083223 1.508806e+03    1.1409818513 0.20056829 5.688745e+00
## ENSG00000083290 1.549361e+03    1.2211605076 0.19311096 6.323621e+00
## ENSG00000083307 5.154514e-01    -1.4267844417 3.04048004 -4.692629e-01
## ENSG00000083312 4.761237e+03    -0.0146384254 0.15586761 -9.391576e-02
## ENSG00000083444 6.342969e+03    -0.0879777351 0.12624187 -6.968982e-01
## ENSG00000083454 1.306993e+01    0.8691032201 0.53310372 1.630270e+00
## ENSG00000083457 2.576237e+02    0.3314842374 0.17017608 1.947890e+00
## ENSG00000083520 1.120747e+03    0.3182436853 0.10670502 2.982462e+00
## ENSG00000083535 3.362423e+02    0.1254437311 0.16563802 7.573366e-01
## ENSG00000083544 2.672760e+02    -0.2158620509 0.15920278 -1.355894e+00
## ENSG00000083635 1.236365e+02    -0.1336800717 0.21295265 -6.277455e-01
## ENSG00000083642 8.830882e+02    -0.1852234467 0.10798361 -1.715292e+00
## ENSG00000083720 9.408550e+02    0.6992142538 0.19475954 3.590141e+00
## ENSG00000083750 4.796751e+02    0.0663721423 0.18620670 3.564434e-01
## ENSG00000083782 8.190280e-01    -2.1037162812 2.71477380 -7.749140e-01
## ENSG00000083799 1.140711e+03    -0.2376096293 0.09685505 -2.453250e+00
## ENSG00000083807 9.987542e+01    0.1713599574 0.29423992 5.823817e-01
## ENSG00000083812 2.194543e+02    -0.1928825054 0.17275515 -1.116508e+00

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## ENSG00000083814 1.554640e+02 -0.1577615045 0.23314600 -6.766640e-01
## ENSG00000083817 9.843420e+01 -0.3967504895 0.20696844 -1.916961e+00
## ENSG00000083828 5.342534e+01 -0.2851471888 0.25119391 -1.135168e+00
## ENSG00000083838 2.056159e+02 -0.1023346023 0.14460843 -7.076669e-01
## ENSG00000083844 3.845195e+02 0.2217430658 0.18138973 1.222468e+00
## ENSG00000083845 8.336495e+03 -0.0198068703 0.19113543 -1.036274e-01
## ENSG00000083857 8.116350e+03 -0.1667367859 0.25494175 -6.540192e-01
## ENSG00000083896 5.903045e+02 -0.0836984691 0.11583863 -7.225437e-01
## ENSG00000083937 8.163669e+02 0.0924690247 0.16648571 5.554172e-01
## ENSG00000084070 4.818429e+02 -0.1290207465 0.17619735 -7.322514e-01
## ENSG00000084072 5.337067e+02 -0.0303250542 0.10260050 -2.955644e-01
## ENSG00000084073 1.863129e+03 0.1639831613 0.11097857 1.477611e+00
## ENSG00000084090 3.687607e+03 1.2220852666 0.17460392 6.999186e+00
## ENSG00000084092 5.555180e+02 -0.1302740202 0.14189757 -9.180849e-01
## ENSG00000084093 9.259148e+02 0.0927671693 0.11707388 7.923814e-01
## ENSG00000084110 3.615033e+00 -0.9623523915 1.85457585 -5.189070e-01
## ENSG00000084112 2.690872e+03 0.1190607852 0.21225679 5.609280e-01
## ENSG00000084207 3.473290e+03 -0.0618913164 0.13953670 -4.435486e-01
## ENSG00000084234 2.593854e+04 0.0779052597 0.15142170 5.144921e-01
## ENSG00000084444 2.640722e+02 0.5207265725 0.15746202 3.306998e+00
## ENSG00000084453 4.366829e+00 -0.4853903968 0.89363733 -5.431626e-01
## ENSG00000084463 1.253602e+03 0.1081447273 0.13184645 8.202324e-01
## ENSG00000084623 2.599229e+03 -0.0316148224 0.11741448 -2.692583e-01
## ENSG00000084628 3.349679e+00 -0.0006964690 0.91785566 -7.588001e-04
## ENSG00000084636 3.158430e+03 -0.5280104644 0.23893539 -2.209846e+00
## ENSG00000084652 3.861898e+03 0.4298342247 0.11478610 3.744654e+00
## ENSG00000084674 2.053211e+02 1.3159998558 0.55304353 2.379559e+00
## ENSG00000084676 1.199039e+03 -0.0024396785 0.15822636 -1.541891e-02
## ENSG00000084693 6.210239e+02 -0.1255085492 0.15217370 -8.247716e-01
## ENSG00000084710 2.601255e+01 -2.1176466372 0.51361116 -4.123054e+00
## ENSG00000084731 6.655759e+02 -0.0269444481 0.14124235 -1.907675e-01
## ENSG00000084733 2.509882e+03 -0.1613123074 0.13253627 -1.217118e+00
## ENSG00000084734 5.363991e+00 0.0415373595 0.80268401 5.174808e-02
## ENSG00000084754 4.704879e+03 0.2424051907 0.09559996 2.535620e+00
## ENSG00000084764 3.133928e+02 -0.7302458668 0.17124942 -4.264224e+00
## ENSG00000084774 1.084972e+03 0.2130869164 0.14481402 1.471452e+00
## ENSG00000085063 1.097735e+04 0.1024637721 0.10871038 9.425390e-01
## ENSG00000085117 2.256115e+03 1.2318595511 0.27093004 4.546781e+00
## ENSG00000085185 4.468181e+02 0.0602218414 0.21348220 2.820930e-01
## ENSG00000085224 3.153943e+03 -0.4315597893 0.18630644 -2.316398e+00
## ENSG00000085231 8.379183e+01 -0.0398069352 0.22458984 -1.772428e-01
## ENSG00000085265 2.020684e+01 1.0575428091 0.48261572 2.191273e+00
## ENSG00000085274 3.928411e+02 -0.2074155170 0.14951401 -1.387265e+00
## ENSG00000085276 1.360252e+03 -0.1351837434 0.11294811 -1.196866e+00
## ENSG00000085365 1.072704e+03 -0.1070951115 0.11225793 -9.540093e-01
## ENSG00000085377 6.404194e+02 0.5418650872 0.10245628 5.288744e+00
## ENSG00000085382 3.287531e+02 -0.1788947778 0.17926319 -9.979449e-01
## ENSG00000085415 3.933815e+02 0.7156404070 0.16844445 4.248525e+00
## ENSG00000085433 5.603049e+02 0.1053060999 0.12337426 8.535500e-01
## ENSG00000085449 1.780691e+03 0.0321481369 0.10598474 3.033280e-01
## ENSG00000085465 4.958667e+01 0.8132845267 0.37766243 2.153470e+00
## ENSG00000085491 9.191779e+02 0.2356146882 0.10409346 2.263492e+00
## ENSG00000085511 7.768020e+02 -0.4860766186 0.23859549 -2.037241e+00
## ENSG00000085514 3.110674e+01 0.1750208302 0.54243013 3.226606e-01

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## ENSG00000085552 2.854135e+00 -3.2259517019 1.35919078 -2.373436e+00
## ENSG00000085563 1.030641e+02 -0.7274371431 0.29243872 -2.487486e+00
## ENSG00000085644 3.216251e+02 -0.2951130046 0.17709713 -1.666391e+00
## ENSG00000085662 2.472185e+03 -0.4820835052 0.31313551 -1.539536e+00
## ENSG00000085719 2.763919e+03 0.4359592324 0.11227361 3.883007e+00
## ENSG00000085721 3.667328e+02 0.2097949096 0.13634053 1.538757e+00
## ENSG00000085733 9.505859e+03 0.0674523140 0.06417626 1.051048e+00
## ENSG00000085741 5.869955e+00 -0.5664521891 0.75098015 -7.542838e-01
## ENSG00000085760 5.155375e+02 0.0946462277 0.09784891 9.672691e-01
## ENSG00000085788 1.124986e+03 0.2608042341 0.17005901 1.533610e+00
## ENSG00000085831 1.064231e+01 0.2629834863 0.57328169 4.587334e-01
## ENSG00000085832 2.056248e+03 0.0832520594 0.14106724 5.901587e-01
## ENSG00000085840 9.443673e+00 -0.2177586134 0.56997781 -3.820475e-01
## ENSG00000085871 1.274666e+02 -0.0604825957 0.23176675 -2.609632e-01
## ENSG00000085872 7.699219e+02 -0.0390823543 0.11151737 -3.504598e-01
## ENSG00000085978 2.873605e+02 0.3364965041 0.15283309 2.201725e+00
## ENSG00000085982 1.090602e+03 -0.2478095391 0.09569614 -2.589546e+00
## ENSG00000085998 1.096827e+03 0.1548428117 0.13951008 1.109904e+00
## ENSG00000085999 8.398876e+00 -1.2215132314 0.74848353 -1.631984e+00
## ENSG00000086015 1.792847e+03 -0.3249601787 0.11243308 -2.890254e+00
## ENSG00000086061 3.639737e+03 -0.2766123994 0.12038572 -2.297718e+00
## ENSG00000086062 3.238144e+03 -0.5816621313 0.11886205 -4.893590e+00
## ENSG00000086065 1.354794e+03 0.0420797217 0.11780540 3.571969e-01
## ENSG00000086102 1.135065e+03 -0.3273488248 0.09663506 -3.387475e+00
## ENSG00000086159 2.598982e+00 1.1003117467 1.46705378 7.500146e-01
## ENSG00000086189 4.933816e+02 0.3212769735 0.17669540 1.818253e+00
## ENSG00000086200 5.303152e+02 -0.1366470964 0.15141809 -9.024489e-01
## ENSG00000086205 3.345569e+00 -0.5028433920 0.97845376 -5.139164e-01
## ENSG00000086232 2.138900e+03 0.1401614153 0.07744353 1.809853e+00
## ENSG00000086288 0.000000e+00 NA NA NA
## ENSG00000086289 1.127229e+03 0.1345442841 0.32371045 4.156316e-01
## ENSG00000086300 2.738557e+00 -0.1684115488 1.13606686 -1.482409e-01
## ENSG00000086475 8.016839e+02 -0.1094093362 0.13134187 -8.330119e-01
## ENSG00000086504 5.817086e+02 -0.1518936618 0.13864132 -1.095587e+00
## ENSG00000086506 6.712437e-01 -1.5839389645 2.34315838 -6.759846e-01
## ENSG00000086544 9.662568e+02 0.5991607857 0.24908386 2.405458e+00
## ENSG00000086548 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000086570 1.598631e+01 -0.0692546640 0.45632073 -1.517675e-01
## ENSG00000086589 5.124939e+02 -0.0775170787 0.12965470 -5.978732e-01
## ENSG00000086598 5.226289e+03 0.0527274962 0.11421197 4.616635e-01
## ENSG00000086619 1.331680e+02 0.2352100458 0.25038966 9.393760e-01
## ENSG00000086666 1.037775e+03 -0.0719310487 0.07965583 -9.030231e-01
## ENSG00000086696 5.511377e+01 -0.1728725080 0.78930128 -2.190197e-01
## ENSG00000086712 5.711812e+02 0.0217733031 0.22055292 9.872145e-02
## ENSG00000086717 2.926117e+00 2.3908917190 1.19974466 1.992834e+00
## ENSG00000086730 3.670990e+01 0.0140385519 0.30658046 4.579076e-02
## ENSG00000086758 8.324436e+03 -0.0151473676 0.08337384 -1.816801e-01
## ENSG00000086827 3.194683e+02 -0.0697764698 0.10653309 -6.549746e-01
## ENSG00000086848 5.983198e+02 0.3573787246 0.22948277 1.557323e+00
## ENSG00000086967 2.334635e+00 -2.8873138538 1.78669479 -1.616008e+00
## ENSG00000086991 3.968186e+01 0.0379494574 0.44648702 8.499566e-02
## ENSG00000087008 3.374679e+02 -0.1859808245 0.18738340 -9.925149e-01
## ENSG00000087053 7.276935e+02 0.0663664255 0.13498769 4.916480e-01
## ENSG00000087074 1.564526e+03 0.0237367052 0.13027168 1.822093e-01

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## ENSG00000087076 2.510739e+02 -0.5534743469 0.18825738 -2.939987e+00
## ENSG00000087077 1.710234e+03 -0.3170494373 0.17125705 -1.851307e+00
## ENSG00000087085 6.330472e+00 -0.0395677084 0.73488767 -5.384185e-02
## ENSG00000087086 1.876544e+05 -0.6261175463 0.17370166 -3.604557e+00
## ENSG00000087087 1.629477e+03 0.0825922577 0.15573594 5.303352e-01
## ENSG00000087088 1.473087e+03 -0.0537645950 0.21325014 -2.521199e-01
## ENSG00000087095 2.065563e+02 0.0546923277 0.15429578 3.544642e-01
## ENSG00000087111 1.122647e+03 0.1727863117 0.14440104 1.196573e+00
## ENSG00000087116 4.504925e+03 0.6711843239 0.12507880 5.366092e+00
## ENSG00000087128 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000087152 1.105858e+03 0.2279494613 0.14458840 1.576540e+00
## ENSG00000087157 7.220456e+02 0.1525837841 0.14327733 1.064954e+00
## ENSG00000087191 1.637468e+03 0.4831401853 0.15714351 3.074516e+00
## ENSG00000087206 4.401601e+02 -0.1420146583 0.12097902 -1.173878e+00
## ENSG00000087237 4.779792e+00 -0.7105162740 0.77241848 -9.198592e-01
## ENSG00000087245 1.312783e+05 -0.1963194964 0.13305658 -1.475459e+00
## ENSG00000087250 1.303311e+00 0.3526042357 1.30842674 2.694872e-01
## ENSG00000087253 8.316794e+02 -0.3137940044 0.17074967 -1.837743e+00
## ENSG00000087258 5.446816e+00 -0.9446388053 1.12385763 -8.405325e-01
## ENSG00000087263 6.902992e+02 0.1148630858 0.17951603 6.398486e-01
## ENSG00000087266 4.370480e+02 -0.9294433506 0.17414747 -5.337105e+00
## ENSG00000087269 8.502087e+02 0.2215920846 0.10184959 2.175680e+00
## ENSG00000087274 7.445437e+03 0.1743927036 0.08993608 1.939074e+00
## ENSG00000087299 1.299710e+02 -0.1712283072 0.29204452 -5.863089e-01
## ENSG00000087301 2.786926e+02 0.3785336781 0.23275629 1.626309e+00
## ENSG00000087302 1.902707e+03 0.0234202406 0.12202066 1.919367e-01
## ENSG00000087303 7.475605e+03 0.5211580852 0.30363688 1.716386e+00
## ENSG00000087338 3.262114e+02 0.5340231510 0.17698959 3.017257e+00
## ENSG00000087365 4.341886e+03 0.0882359261 0.08168021 1.080261e+00
## ENSG00000087448 1.029529e+03 1.0330040398 0.14273388 7.237273e+00
## ENSG00000087460 1.532774e+04 -0.0819439268 0.15706283 -5.217271e-01
## ENSG00000087470 1.144785e+03 0.2354532823 0.09331787 2.523132e+00
## ENSG00000087494 6.084788e+01 0.6958610252 0.52761500 1.318880e+00
## ENSG00000087495 4.112388e+00 0.3354762643 1.07285936 3.126936e-01
## ENSG00000087502 1.134662e+03 -0.0197499745 0.16655433 -1.185798e-01
## ENSG00000087510 9.464112e+00 0.9587452162 0.71701548 1.337133e+00
## ENSG00000087586 1.756486e+02 -0.2278152260 0.32364283 -7.039094e-01
## ENSG00000087589 4.125875e+02 0.4187554054 0.29418860 1.423425e+00
## ENSG00000087842 1.998679e+02 -0.6325970000 0.38906662 -1.625935e+00
## ENSG00000087884 2.946028e+02 0.3600674936 0.13581992 2.651065e+00
## ENSG00000087903 2.330189e+02 -0.5534085994 0.22489663 -2.460724e+00
## ENSG00000087995 2.517551e+02 -0.0036578073 0.13566087 -2.696288e-02
## ENSG00000088002 5.450225e+00 -1.0011858443 0.85689746 -1.168385e+00
## ENSG00000088035 1.716624e+02 -0.0773968300 0.19441747 -3.980961e-01
## ENSG00000088038 7.948503e+02 0.2490428330 0.17754065 1.402737e+00
## ENSG00000088053 3.511638e-01 0.8190074632 3.31790428 2.468448e-01
## ENSG00000088179 2.999403e+02 -0.5500409223 0.22510326 -2.443505e+00
## ENSG00000088205 1.037372e+03 0.0265616838 0.11208847 2.369707e-01
## ENSG00000088247 2.671495e+03 -0.0039266625 0.12760170 -3.077281e-02
## ENSG00000088256 1.826997e+03 0.2318615576 0.10408813 2.227550e+00
## ENSG00000088280 8.858055e+02 -0.0672531360 0.15429545 -4.358725e-01
## ENSG00000088298 6.429639e+02 0.0307389989 0.14654696 2.097553e-01
## ENSG00000088305 5.273788e+01 -0.6571457540 0.34934274 -1.881092e+00
## ENSG00000088320 3.298371e+00 2.6028229936 1.37688700 1.890368e+00

```

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## ENSG00000088325 2.590989e+02 -0.8156558398 0.22851044 -3.569447e+00
## ENSG00000088340 1.391088e+02 0.2387849304 0.31680339 7.537322e-01
## ENSG00000088356 2.233274e+02 0.1003931267 0.12444375 8.067350e-01
## ENSG00000088367 1.373608e+03 -0.1898560258 0.17038640 -1.114267e+00
## ENSG00000088386 5.395557e+00 0.2169389951 0.71179503 3.047773e-01
## ENSG00000088387 4.440052e+02 0.3021251702 0.28393291 1.064072e+00
## ENSG00000088448 1.427043e+03 -0.4507421691 0.22855938 -1.972101e+00
## ENSG00000088451 1.140814e+02 0.1743865623 0.21944438 7.946732e-01
## ENSG00000088538 3.122888e+01 -0.5273560708 0.37161004 -1.419111e+00
## ENSG00000088543 5.106166e+02 0.0552519843 0.12330922 4.480767e-01
## ENSG00000088682 5.079949e+02 -0.1664827890 0.16360760 -1.017574e+00
## ENSG00000088726 2.749602e+00 -0.9044630893 1.15876800 -7.805385e-01
## ENSG00000088727 6.681162e+01 0.2584342514 0.27831943 9.285527e-01
## ENSG00000088756 7.487400e+02 -1.4931640536 0.43886242 -3.402351e+00
## ENSG00000088766 4.049719e+02 0.6580015745 0.13801092 4.767750e+00
## ENSG00000088782 0.000000e+00 NA NA NA
## ENSG00000088808 1.395986e+02 -0.3514271750 0.29040480 -1.210129e+00
## ENSG00000088812 3.026160e+03 0.0480293225 0.12988959 3.697704e-01
## ENSG00000088826 2.623038e+02 -0.8033006793 0.22533790 -3.564872e+00
## ENSG00000088827 2.749609e+00 0.1026091018 1.00139562 1.024661e-01
## ENSG00000088832 4.142555e+03 0.1319403461 0.08909161 1.480951e+00
## ENSG00000088833 9.962023e+02 -0.2368895203 0.08257366 -2.868827e+00
## ENSG00000088836 6.651317e+01 0.3296105159 0.33572808 9.817782e-01
## ENSG00000088854 1.564563e+03 0.3298742206 0.09338523 3.532402e+00
## ENSG00000088876 3.565991e+02 0.3829818294 0.13369619 2.864568e+00
## ENSG00000088881 7.810381e+01 -0.1366602431 0.39169813 -3.488917e-01
## ENSG00000088882 6.161286e+01 -0.7167900389 0.46549022 -1.539861e+00
## ENSG00000088888 2.939452e+03 0.6177318109 0.09578309 6.449278e+00
## ENSG00000088899 2.306199e+02 -0.0092790115 0.19230571 -4.825136e-02
## ENSG00000088926 0.000000e+00 NA NA NA
## ENSG00000088930 2.723237e+03 -0.0569164290 0.08956487 -6.354772e-01
## ENSG00000088970 6.547036e+02 -0.1561161294 0.20507019 -7.612814e-01
## ENSG00000088986 2.213772e+03 -0.0253029941 0.16926467 -1.494878e-01
## ENSG00000088992 1.963292e+00 0.3305322996 1.72369686 1.917578e-01
## ENSG00000089006 2.373662e+03 0.3901625324 0.13053326 2.988989e+00
## ENSG00000089009 1.566857e+04 -0.0620765281 0.13097999 -4.739390e-01
## ENSG00000089012 0.000000e+00 NA NA NA
## ENSG00000089022 5.099712e+02 0.1542701507 0.12969203 1.189511e+00
## ENSG00000089041 1.534455e+02 -1.6373716679 0.32504745 -5.037331e+00
## ENSG00000089048 4.097443e+02 0.1791347197 0.16785329 1.067210e+00
## ENSG00000089050 3.463262e+02 -0.4925526891 0.15243494 -3.231232e+00
## ENSG00000089053 2.201704e+03 0.0234533747 0.10109918 2.319838e-01
## ENSG00000089057 8.696246e+02 -0.2983525077 0.13299955 -2.243260e+00
## ENSG00000089060 9.281365e+02 0.5062518483 0.18738253 2.701703e+00
## ENSG00000089063 2.494649e+03 0.0227910561 0.18318159 1.244178e-01
## ENSG00000089091 4.110897e+01 -0.2095172839 0.30148008 -6.949623e-01
## ENSG00000089094 5.252517e+02 -0.0900869755 0.14640808 -6.153142e-01
## ENSG00000089101 2.953074e+00 0.3119175938 1.06644679 2.924830e-01
## ENSG00000089116 0.000000e+00 NA NA NA
## ENSG00000089123 1.366982e+02 0.7647775711 0.16411612 4.659978e+00
## ENSG00000089127 2.165432e+01 -0.8316503619 0.63034845 -1.319350e+00
## ENSG00000089154 2.649790e+03 0.0452643412 0.16729273 2.705697e-01
## ENSG00000089157 4.085508e+04 0.0601504810 0.26590061 2.262142e-01
## ENSG00000089159 4.130306e+03 -0.1959867071 0.16312455 -1.201454e+00

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## ENSG00000089163 2.275549e+01 -0.5282443975 0.41804437 -1.263608e+00
## ENSG00000089169 7.520866e+00 0.0463447130 0.74133273 6.251540e-02
## ENSG00000089177 5.287499e+02 -0.0474733707 0.19060403 -2.490680e-01
## ENSG00000089195 1.817832e+02 0.1905849849 0.18081362 1.054041e+00
## ENSG00000089199 5.179453e+00 0.2870075900 0.74897000 3.832031e-01
## ENSG00000089220 3.804665e+03 0.1364109019 0.10063327 1.355525e+00
## ENSG00000089225 6.868938e+02 -0.3286566337 0.17551584 -1.872518e+00
## ENSG00000089234 5.459351e+02 0.0261124579 0.14910106 1.751326e-01
## ENSG00000089248 2.029073e+03 -0.1738216907 0.07407375 -2.346603e+00
## ENSG00000089250 1.904652e+01 0.3465866186 0.41862272 8.279212e-01
## ENSG00000089280 2.253615e+03 0.1409441871 0.18500579 7.618366e-01
## ENSG00000089289 1.196398e+03 0.1151491281 0.11039292 1.043084e+00
## ENSG00000089327 9.020540e+02 -0.2460920380 0.16406753 -1.499944e+00
## ENSG00000089335 6.064514e+02 -0.2665760913 0.15247043 -1.748379e+00
## ENSG00000089351 7.773729e+02 -0.1745171246 0.16546600 -1.054701e+00
## ENSG00000089356 1.392610e+00 1.1065418241 1.78105096 6.212859e-01
## ENSG00000089472 2.913471e+03 -0.2537550036 0.19663852 -1.290464e+00
## ENSG00000089486 4.762204e+02 0.0568913164 0.18378683 3.095506e-01
## ENSG00000089505 2.731169e+01 -0.3988834797 0.32436911 -1.229721e+00
## ENSG00000089558 6.575449e-01 0.7785900961 2.10821956 3.693117e-01
## ENSG00000089597 9.350110e+03 0.1480194003 0.11242664 1.316586e+00
## ENSG00000089639 1.484412e+02 -0.1551379488 0.17505502 -8.862239e-01
## ENSG00000089682 2.539401e+02 -0.1685375087 0.15820390 -1.065318e+00
## ENSG00000089685 4.788062e+01 0.2146253893 0.38246709 5.611604e-01
## ENSG00000089692 5.005820e+00 0.1078080213 0.84346406 1.278158e-01
## ENSG00000089693 2.411667e+03 -0.0901459712 0.15097894 -5.970765e-01
## ENSG00000089723 4.563021e+01 -0.6560762207 0.30149429 -2.176082e+00
## ENSG00000089737 2.332578e+02 0.0332074419 0.48026239 6.914437e-02
## ENSG00000089775 2.916837e+02 0.0086248458 0.13772420 6.262404e-02
## ENSG00000089818 4.752636e+02 -0.0690504906 0.11566588 -5.969824e-01
## ENSG00000089820 2.867368e+01 -0.3551420040 0.50615642 -7.016448e-01
## ENSG00000089847 5.651293e+01 -0.0453070220 0.34286381 -1.321429e-01
## ENSG00000089876 5.853500e+02 -0.0436665472 0.15524447 -2.812760e-01
## ENSG00000089902 4.860652e+02 -0.1650864555 0.15067546 -1.095643e+00
## ENSG00000089916 1.179313e+03 0.0597876857 0.13408263 4.459018e-01
## ENSG00000090006 2.844645e+04 -0.1943441655 0.10307751 -1.885418e+00
## ENSG00000090013 7.312188e+02 -0.2294062430 0.15963206 -1.437094e+00
## ENSG00000090020 1.131659e+03 -0.2477589804 0.12561678 -1.972340e+00
## ENSG00000090054 1.652167e+03 -0.0494915510 0.10035824 -4.931488e-01
## ENSG00000090060 3.395708e+03 0.0930095081 0.11508392 8.081886e-01
## ENSG00000090061 8.091481e+02 0.2175104454 0.13700714 1.587585e+00
## ENSG00000090097 9.332437e+02 -0.3055338296 0.12628463 -2.419406e+00
## ENSG00000090104 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000090238 9.902482e+02 0.4231089140 0.12325607 3.432763e+00
## ENSG00000090263 3.890512e+02 -0.1307024639 0.12234211 -1.068336e+00
## ENSG00000090266 5.842324e+02 0.1115812935 0.16544240 6.744419e-01
## ENSG00000090273 1.110669e+03 0.2361409709 0.10358916 2.279592e+00
## ENSG00000090316 1.241094e+03 -0.0326849553 0.10161943 -3.216408e-01
## ENSG00000090339 3.043713e+02 0.3455112154 0.33554651 1.029697e+00
## ENSG00000090372 1.293540e+03 0.1345366824 0.11169454 1.204505e+00
## ENSG00000090376 6.467608e+02 0.8352774795 0.26425986 3.160819e+00
## ENSG00000090382 9.533040e-01 2.5504352543 2.11464603 1.206081e+00
## ENSG00000090402 0.000000e+00 NA NA NA
## ENSG00000090432 7.320766e+02 0.2115788093 0.15497541 1.365241e+00

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## ENSG00000090447 1.439257e+02 -0.2119899815 0.18010546 -1.177033e+00
## ENSG00000090470 5.743804e+02 0.1440339946 0.23341963 6.170603e-01
## ENSG00000090487 1.923705e+03 0.0857883657 0.09566157 8.967903e-01
## ENSG00000090512 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000090520 8.746062e+02 0.1077302197 0.21810121 4.939460e-01
## ENSG00000090530 9.584994e+01 -0.3432646184 0.26361744 -1.302132e+00
## ENSG00000090534 2.029174e+01 -0.4172808352 0.67115126 -6.217389e-01
## ENSG00000090539 2.510747e+02 0.0357037582 0.26373425 1.353778e-01
## ENSG00000090554 2.203759e+02 -0.3187873777 0.18745474 -1.700610e+00
## ENSG00000090565 1.000322e+03 0.4777304201 0.14060722 3.397624e+00
## ENSG00000090581 1.334435e+03 -0.1779048743 0.11698047 -1.520808e+00
## ENSG00000090612 4.891417e+02 -0.2177612067 0.22243051 -9.790078e-01
## ENSG00000090615 2.339567e+03 0.0957156252 0.13591199 7.042471e-01
## ENSG00000090621 4.197792e+03 -0.0464802452 0.17881181 -2.599395e-01
## ENSG00000090659 1.822862e+00 0.1787870474 1.39667502 1.280091e-01
## ENSG00000090661 1.823644e+02 -0.3610831424 0.85766660 -4.210064e-01
## ENSG00000090674 5.828248e+02 0.2501800665 0.14167239 1.765906e+00
## ENSG00000090686 1.803682e+03 0.1888468137 0.12511998 1.509326e+00
## ENSG00000090776 5.451486e+02 -0.6066289711 0.26242612 -2.311618e+00
## ENSG00000090857 1.700497e+03 -0.0142537565 0.24144907 -5.903421e-02
## ENSG00000090861 2.946350e+03 -0.5735012321 0.14791585 -3.877213e+00
## ENSG00000090863 5.851526e+03 -0.1265250124 0.12269902 -1.031182e+00
## ENSG00000090889 2.975939e+01 -0.4046844691 0.39166996 -1.033228e+00
## ENSG00000090905 2.951936e+03 0.0717657456 0.09291106 7.724134e-01
## ENSG00000090924 1.209437e+03 0.1409847450 0.26746878 5.271073e-01
## ENSG00000090932 2.315109e+00 -0.9075664055 1.08441558 -8.369175e-01
## ENSG00000090971 3.117745e+02 0.1818109214 0.16276464 1.117017e+00
## ENSG00000090975 5.621784e+02 0.2514370528 0.27890121 9.015273e-01
## ENSG00000090989 1.453870e+03 -0.0043900610 0.12697248 -3.457490e-02
## ENSG00000091009 5.906236e+02 0.1535895473 0.14860456 1.033545e+00
## ENSG00000091010 2.453481e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000091039 4.906212e+03 -0.2331894112 0.22865737 -1.019820e+00
## ENSG00000091073 1.775644e+02 -0.0415744849 0.19539219 -2.127746e-01
## ENSG00000091106 9.152588e+00 0.0397837961 0.73329292 5.425362e-02
## ENSG00000091127 1.759097e+02 0.5655659058 0.30439337 1.858010e+00
## ENSG00000091128 1.031337e+01 1.5335187031 0.64756209 2.368142e+00
## ENSG00000091129 1.944602e+02 -0.2028103559 0.94883699 -2.137463e-01
## ENSG00000091136 3.151861e+04 0.8338753136 0.13447698 6.200878e+00
## ENSG00000091137 1.112228e+01 0.2791978312 0.65537933 4.260095e-01
## ENSG00000091138 0.000000e+00 NA NA NA
## ENSG00000091140 8.571236e+02 0.0295779040 0.09718960 3.043320e-01
## ENSG00000091157 5.357340e+02 0.1320211617 0.19292395 6.843171e-01
## ENSG00000091164 1.234626e+03 -0.3198280968 0.08491679 -3.766370e+00
## ENSG00000091181 1.695730e+00 -0.3731079001 1.32049048 -2.825525e-01
## ENSG00000091262 5.342096e+01 -1.2279295378 0.35181236 -3.490297e+00
## ENSG00000091317 2.266219e+03 0.6382835315 0.10923314 5.843314e+00
## ENSG00000091409 3.291735e+02 0.5617359810 0.45986707 1.221518e+00
## ENSG00000091428 4.062055e+01 -0.8606482408 0.49631141 -1.734089e+00
## ENSG00000091436 4.825636e+03 -0.0744025860 0.10733109 -6.932063e-01
## ENSG00000091482 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000091483 9.524921e+02 0.3762019642 0.14757887 2.549159e+00
## ENSG00000091490 1.649457e+03 -0.5332938827 0.29141824 -1.829995e+00
## ENSG00000091513 3.405045e+01 -0.0306991405 0.52713536 -5.823768e-02
## ENSG00000091527 4.909371e+03 0.7309887483 0.11104169 6.583012e+00

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## ENSG00000091536 5.415560e+01 -0.0459396769 0.31312804 -1.467121e-01
## ENSG00000091542 1.626965e+03 -0.0203668481 0.10340233 -1.969670e-01
## ENSG00000091583 1.944263e+00 1.1438448863 1.26644335 9.031947e-01
## ENSG00000091592 1.551914e+03 -0.5432779712 0.15062750 -3.606765e+00
## ENSG00000091622 3.345589e+01 -0.3834987750 0.41078635 -9.335724e-01
## ENSG00000091640 7.903897e+02 0.1433457239 0.17491733 8.195055e-01
## ENSG00000091651 8.079686e+01 -0.2300966991 0.21640428 -1.063272e+00
## ENSG00000091656 8.592428e+02 -0.2227695099 0.24778139 -8.990567e-01
## ENSG00000091664 0.000000e+00 NA NA NA
## ENSG00000091704 4.727464e+00 -0.4771089227 1.04142009 -4.581330e-01
## ENSG00000091732 2.546047e+02 -0.0403371849 0.14001121 -2.880997e-01
## ENSG00000091831 3.659580e+01 -1.0833842701 0.51255568 -2.113691e+00
## ENSG00000091844 8.801885e+01 -0.7052648472 0.40865555 -1.725817e+00
## ENSG00000091879 8.297488e+00 -0.1773894806 0.65896242 -2.691951e-01
## ENSG00000091947 4.165582e+02 -0.1144180412 0.14181469 -8.068137e-01
## ENSG00000091972 5.516290e+01 -0.5190970630 0.54011643 -9.610836e-01
## ENSG00000091986 1.766957e+05 0.1036692979 0.32583886 3.181612e-01
## ENSG00000092009 1.831365e+00 -0.3667959536 1.37770137 -2.662376e-01
## ENSG00000092010 1.472206e+03 -0.1053285066 0.09662662 -1.090057e+00
## ENSG00000092020 3.991299e+02 0.0872482095 0.21885753 3.986530e-01
## ENSG00000092036 4.482353e+02 0.1616883568 0.17282297 9.355721e-01
## ENSG00000092051 7.926388e-01 -3.0318147678 2.61723743 -1.158403e+00
## ENSG00000092054 0.000000e+00 NA NA NA
## ENSG00000092067 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000092068 1.865197e+03 0.7949429131 0.31574912 2.517641e+00
## ENSG00000092094 3.039919e+02 -0.3668601656 0.11486852 -3.193740e+00
## ENSG00000092096 3.960847e+02 -0.2226187317 0.21347371 -1.042839e+00
## ENSG00000092098 6.580829e+02 -0.0910942226 0.12067489 -7.548731e-01
## ENSG00000092108 1.085938e+03 0.0617084997 0.11891179 5.189435e-01
## ENSG00000092140 3.276969e+02 0.1083659781 0.15355560 7.057117e-01
## ENSG00000092148 6.289326e+03 -0.0781437063 0.20156101 -3.876926e-01
## ENSG00000092199 5.094634e+03 0.0321327418 0.08742434 3.675491e-01
## ENSG00000092200 5.315441e+00 -0.4972853511 0.71157773 -6.988490e-01
## ENSG00000092201 2.465237e+03 -0.0210114853 0.07294088 -2.880619e-01
## ENSG00000092203 1.563317e+03 -0.0207021462 0.13149377 -1.574382e-01
## ENSG00000092208 8.265248e+01 -0.0347684829 0.23640137 -1.470739e-01
## ENSG00000092295 1.513004e+01 -0.3535426112 0.58726346 -6.020170e-01
## ENSG00000092330 7.558737e+02 -0.1379358784 0.10357032 -1.331809e+00
## ENSG00000092345 6.054629e-01 -1.5617984572 2.94606684 -5.301300e-01
## ENSG00000092377 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000092421 5.118866e+01 0.0562795605 0.45823410 1.228184e-01
## ENSG00000092439 2.020716e+03 0.1809800731 0.14217760 1.272915e+00
## ENSG00000092445 4.801780e+02 -0.4174281902 0.19704158 -2.118478e+00
## ENSG00000092470 9.305565e+01 -0.3619931776 0.21631478 -1.673456e+00
## ENSG00000092529 2.154157e+02 0.6203853727 0.24347984 2.547995e+00
## ENSG00000092531 1.211605e+03 0.0665967705 0.19474650 3.419665e-01
## ENSG00000092607 2.872019e+00 -0.2329152477 1.03787273 -2.244160e-01
## ENSG00000092621 1.241446e+03 -1.4161867848 0.28003856 -5.057113e+00
## ENSG00000092758 4.716618e+00 0.1148971661 0.77656987 1.479547e-01
## ENSG00000092820 1.597104e+03 0.0588212893 0.19754107 2.977674e-01
## ENSG00000092841 1.246177e+04 0.6163890153 0.17502784 3.521663e+00
## ENSG00000092847 1.013086e+03 -0.4115444889 0.10778517 -3.818192e+00
## ENSG00000092850 3.064946e+00 0.7849380955 1.08288716 7.248568e-01
## ENSG00000092853 4.220738e+01 -1.4128579464 0.43780120 -3.227168e+00

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## ENSG00000092871 4.398429e+02    0.1491507622 0.16412149  9.087826e-01
## ENSG00000092929 4.866499e+01    0.7311056498 0.50886324  1.436743e+00
## ENSG00000092931 4.147495e+02    -0.2267248675 0.22496330 -1.007830e+00
## ENSG00000092964 3.768195e+03    -0.2606408629 0.14353983 -1.815809e+00
## ENSG00000092969 2.166731e+02    -1.8372258463 0.32536243 -5.646706e+00
## ENSG00000092978 2.694358e+02    -0.1074102639 0.16374989 -6.559410e-01
## ENSG00000093000 1.415971e+03    0.3114495192 0.13209347  2.357796e+00
## ENSG00000093009 1.086092e+01    0.1305103097 0.87658701  1.488846e-01
## ENSG00000093010 2.860988e+03    0.2566824508 0.12455353  2.060820e+00
## ENSG00000093072 6.220244e+02    -0.4333922710 0.19608267 -2.210253e+00
## ENSG00000093134 1.340814e+01    -0.5914051575 0.64097037 -9.226716e-01
## ENSG00000093144 1.547107e+03    0.7929905623 0.12030831  6.591320e+00
## ENSG00000093167 2.143348e+03    0.6933377774 0.09946525  6.970653e+00
## ENSG00000093183 1.409815e+03    0.4283881869 0.17129192  2.500925e+00
## ENSG00000093217 7.692759e+01    -1.1428098863 0.34021352 -3.359096e+00
## ENSG00000094631 5.105899e+02    -0.1643566957 0.14927451 -1.101037e+00
## ENSG00000094661 0.000000e+00      NA        NA        NA
## ENSG00000094755 2.534670e+01    -0.0173360360 0.44017207 -3.938468e-02
## ENSG00000094796 0.000000e+00      NA        NA        NA
## ENSG00000094804 3.388616e+01    -0.0094719240 0.35334131 -2.680673e-02
## ENSG00000094841 1.503720e+02    0.0729452990 0.18105831  4.028829e-01
## ENSG00000094880 5.867983e+02    -0.1085833081 0.12907589 -8.412362e-01
## ENSG00000094914 7.419446e+02    -0.0083927838 0.12794975 -6.559438e-02
## ENSG00000094916 2.231846e+03    -0.6868937734 0.12402541 -5.538331e+00
## ENSG00000094963 2.442477e+03    0.6583774086 0.57841103  1.138252e+00
## ENSG00000094975 7.712986e+02    -0.0786595886 0.13668942 -5.754622e-01
## ENSG00000095002 4.011140e+02    -0.4171924430 0.20772222 -2.008415e+00
## ENSG00000095015 3.289419e+02    -0.3113654450 0.22148697 -1.405796e+00
## ENSG00000095059 4.926271e+02    0.1618362166 0.11275412  1.435302e+00
## ENSG00000095066 2.290523e+02    -0.0964628799 0.28247247 -3.414948e-01
## ENSG00000095110 7.864010e-01    -2.0466667046 2.28182887 -8.969414e-01
## ENSG00000095139 4.359066e+03    0.2323669807 0.07871230  2.952105e+00
## ENSG00000095203 9.517967e+01    -0.1708468796 0.40119891 -4.258408e-01
## ENSG00000095209 2.004968e+02    -0.5214697724 0.22183157 -2.350746e+00
## ENSG00000095261 9.799327e+02    -0.2092427992 0.11240062 -1.861580e+00
## ENSG00000095303 1.539564e+03    0.7491630694 0.33752390  2.219585e+00
## ENSG00000095319 1.039174e+03    -0.3084249894 0.14361779 -2.147540e+00
## ENSG00000095321 1.627635e+03    0.2151785426 0.10448958  2.059330e+00
## ENSG00000095370 4.629200e+00    0.0402390800 1.18561255  3.393949e-02
## ENSG00000095380 5.613509e+02    0.4476763879 0.13160182  3.401749e+00
## ENSG00000095383 2.787602e+02    0.5288654901 0.22221297  2.379994e+00
## ENSG00000095397 1.177135e+02    -0.6833768247 0.26468835 -2.581817e+00
## ENSG00000095464 4.746815e+00    1.0364619244 0.99325370  1.043502e+00
## ENSG00000095485 2.507714e+02    0.3098721925 0.20023143  1.547570e+00
## ENSG00000095539 1.692047e+02    0.0078814382 0.23415895  3.365850e-02
## ENSG00000095564 1.595332e+03    0.1835592240 0.11878045  1.545366e+00
## ENSG00000095574 3.789367e+02    0.0766096589 0.14822224  5.168567e-01
## ENSG00000095585 2.507982e+01    -2.7062071626 0.68632913 -3.943017e+00
## ENSG00000095587 7.699399e+00    0.2751028623 0.75472681  3.645065e-01
## ENSG00000095596 6.365574e-01    2.9047587808 3.44749356  8.425712e-01
## ENSG00000095627 1.557367e+00    0.3328628211 1.47545236  2.256005e-01
## ENSG00000095637 4.870348e+01    1.5147572505 0.40839059  3.709089e+00
## ENSG00000095713 0.000000e+00      NA        NA        NA
## ENSG00000095739 1.128157e+02    0.3945369171 0.39923775  9.882255e-01

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## ENSG00000095752 5.724156e+01    0.2666425226 0.41184877  6.474282e-01
## ENSG00000095777 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000095787 2.465407e+03    0.1099481542 0.13276495  8.281414e-01
## ENSG00000095794 2.394756e+02   -0.1691304833 0.15943038 -1.060842e+00
## ENSG00000095906 5.003531e+02    0.0594067658 0.17182358  3.457428e-01
## ENSG00000095917 0.000000e+00      NA          NA          NA
## ENSG00000095932 3.347714e-01   -1.7919132981 3.48921116 -5.135583e-01
## ENSG00000095951 4.793238e+02    0.4765897425 0.19282517 -2.471616e+00
## ENSG00000095970 1.256412e+00   -2.0192846343 2.18381826 -9.246578e-01
## ENSG00000095981 0.000000e+00      NA          NA          NA
## ENSG00000096006 1.315182e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000096060 2.630230e+03    3.9450519343 0.29288411  1.346967e+01
## ENSG00000096063 7.810576e+02    0.2259652394 0.12851832  1.758234e+00
## ENSG00000096070 1.008620e+03    0.0033920468 0.14470137  2.344170e-02
## ENSG00000096080 2.688755e+02   -0.0476667338 0.11547087 -4.128031e-01
## ENSG00000096088 1.862932e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000096092 4.206978e+02    0.4352751301 0.21329416  2.040727e+00
## ENSG00000096093 6.670891e+02   -0.0397820272 0.13110967 -3.034256e-01
## ENSG00000096150 4.139697e+03    0.0049290065 0.23250964  2.119915e-02
## ENSG00000096155 1.645222e+02   -0.3373682419 1.12920225 -2.987669e-01
## ENSG00000096171 1.000434e+02    0.3054183507 0.44128646  6.921090e-01
## ENSG00000096264 0.000000e+00      NA          NA          NA
## ENSG00000096384 1.044804e+04   -0.3538285725 0.06077476 -5.821966e+00
## ENSG00000096395 5.773256e-01   -0.4646627362 2.12609093 -2.185526e-01
## ENSG00000096401 1.041925e+03    0.1892192623 0.09560637  1.979149e+00
## ENSG00000096433 2.559158e+03    0.1863212375 0.17936250  1.038797e+00
## ENSG00000096654 1.584817e+02   -0.6369333852 0.16346183 -3.896527e+00
## ENSG00000096696 1.460806e+02    0.9638453205 0.91996657  1.047696e+00
## ENSG00000096717 5.253044e+02    0.2142054008 0.12526653  1.709997e+00
## ENSG00000096746 1.651429e+03   -0.0658751982 0.12522504 -5.260545e-01
## ENSG00000096872 2.881342e+02   -0.0410623397 0.16409383 -2.502370e-01
## ENSG00000096968 7.086109e+02    0.6715493353 0.19196196  3.498346e+00
## ENSG00000096996 1.095612e+01   -0.1222067518 0.57161983 -2.137903e-01
## ENSG00000097007 5.943047e+03   -0.1014531010 0.12354384 -8.211911e-01
## ENSG00000097021 5.229447e+02   -0.0345989519 0.10825959 -3.195925e-01
## ENSG00000097033 3.255305e+03    0.2878791290 0.14565016  1.976511e+00
## ENSG00000097046 5.299700e+01   -0.0956405130 0.46152674 -2.072264e-01
## ENSG00000097096 2.023622e+02    1.2240317028 0.24302179  5.036716e+00
## ENSG00000099139 4.101284e+02   -0.4025613155 0.15446777 -2.606119e+00
## ENSG00000099194 1.441844e+03   -1.9813874903 0.41430456 -4.782442e+00
## ENSG00000099203 3.745152e+02   -0.1732781444 0.12586158 -1.376736e+00
## ENSG00000099204 8.527382e+02    1.4326772715 0.20455493  7.003876e+00
## ENSG00000099219 5.966723e+02    0.3525606686 0.14379320  2.451859e+00
## ENSG00000099246 1.638310e+03    0.0387434216 0.09707003  3.991286e-01
## ENSG00000099250 6.752230e+03   -0.1445202340 0.21301759 -6.784427e-01
## ENSG00000099251 2.034955e+01   -0.2973012861 0.54150422 -5.490286e-01
## ENSG00000099256 3.778016e+02   -0.4395816881 0.14660978 -2.998311e+00
## ENSG00000099260 1.242991e+02   -0.7126059853 0.36633798 -1.945215e+00
## ENSG00000099282 8.043314e-01   -2.1507538354 2.23728851 -9.613216e-01
## ENSG00000099284 3.968724e+02   -0.2834794999 0.26353203 -1.075693e+00
## ENSG00000099290 5.022201e+03    0.1616176168 0.14727838  1.097361e+00
## ENSG00000099308 4.330205e+02    0.3405958294 0.14574370  2.336951e+00
## ENSG00000099326 4.129969e+02   -0.3312273946 0.13953570 -2.373782e+00
## ENSG00000099330 1.750785e+02    0.3912828293 0.18134040  2.157726e+00

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## ENSG00000099331 2.723180e+03 -0.0348067107 0.17159151 -2.028463e-01
## ENSG00000099337 9.033095e+02 2.3956208145 0.36146557 6.627521e+00
## ENSG00000099338 1.973094e+01 0.4555862453 0.55441233 8.217462e-01
## ENSG00000099341 1.825227e+03 0.3147464901 0.09406193 3.346162e+00
## ENSG00000099364 3.198795e+02 0.0009549399 0.22926944 4.165143e-03
## ENSG00000099365 8.985197e+01 -0.9300979289 0.26166699 -3.554510e+00
## ENSG00000099377 3.734109e+02 0.1788747895 0.24796730 7.213644e-01
## ENSG00000099381 5.619399e+02 0.0399057632 0.11784403 3.386320e-01
## ENSG00000099385 5.538944e+02 0.0783737914 0.10296932 7.611373e-01
## ENSG00000099399 0.000000e+00 NA NA NA
## ENSG00000099617 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000099622 2.849347e+03 -0.2979966328 0.09734879 -3.061123e+00
## ENSG00000099624 5.760997e+02 0.1483236584 0.17585871 8.434251e-01
## ENSG00000099625 7.602638e+01 0.2019199544 0.25030205 8.067052e-01
## ENSG00000099715 2.786553e+00 -1.9098643980 1.11557252 -1.712004e+00
## ENSG00000099721 0.000000e+00 NA NA NA
## ENSG00000099725 2.691404e+02 -0.7385427037 1.25902557 -5.865987e-01
## ENSG00000099769 2.901991e+00 0.3356777104 1.05827550 3.171931e-01
## ENSG00000099783 2.795782e+03 0.1938631392 0.17799371 1.089157e+00
## ENSG00000099785 4.461256e+02 0.5191537214 0.18568742 2.795848e+00
## ENSG00000099795 6.163124e+02 -0.0103632246 0.15501648 -6.685241e-02
## ENSG00000099797 6.949421e+02 -0.0261133035 0.10490498 -2.489234e-01
## ENSG00000099800 4.832997e+02 0.1790386870 0.19312782 9.270476e-01
## ENSG00000099804 6.217322e+02 -0.0209641583 0.13371866 -1.567781e-01
## ENSG00000099810 6.637235e+02 0.1743858306 0.13181855 1.322923e+00
## ENSG00000099812 2.721383e+00 -0.0893424853 1.10456099 -8.088506e-02
## ENSG00000099814 8.946534e+02 -0.0280868214 0.15057021 -1.865364e-01
## ENSG00000099817 2.726171e+03 -0.0868044863 0.09079783 -9.560194e-01
## ENSG00000099821 5.095939e+02 0.3414679934 0.19881328 1.717531e+00
## ENSG00000099822 4.697828e+01 0.5717920532 0.28597988 1.999414e+00
## ENSG00000099834 2.159967e+00 -0.7575496707 1.24829334 -6.068683e-01
## ENSG00000099840 3.988175e+01 1.1740572037 0.33503370 3.504296e+00
## ENSG00000099849 4.160319e+01 1.3438158989 0.33203491 4.047213e+00
## ENSG00000099860 3.736097e+02 1.4159244873 0.16772777 8.441801e+00
## ENSG00000099864 2.041353e+03 0.0742275146 0.62574424 1.186228e-01
## ENSG00000099866 9.871480e+00 0.1643116253 0.56904598 2.887493e-01
## ENSG00000099875 1.577326e+03 0.3338470631 0.18293551 1.824944e+00
## ENSG00000099889 2.021866e+02 -0.4073286337 0.23584550 -1.727099e+00
## ENSG00000099899 4.947397e+02 -0.2156319413 0.14479517 -1.489221e+00
## ENSG00000099901 5.573364e+02 -0.0392187074 0.13153745 -2.981562e-01
## ENSG00000099904 1.105511e+03 0.3190715642 0.11654204 2.737824e+00
## ENSG00000099910 4.813113e+02 -0.1430497382 0.12185263 -1.173957e+00
## ENSG00000099917 1.880167e+03 0.0831680501 0.08266714 1.006059e+00
## ENSG00000099937 5.198424e-01 0.3052860420 3.09573139 9.861516e-02
## ENSG00000099940 9.935711e+02 -0.2423460636 0.14302173 -1.694470e+00
## ENSG00000099942 1.455537e+03 0.0606559832 0.10009475 6.059857e-01
## ENSG00000099949 1.583145e+03 0.2254477612 0.16856084 1.337486e+00
## ENSG00000099953 1.371680e+02 -0.5513270906 0.20021715 -2.753646e+00
## ENSG00000099954 5.056982e+00 0.1189516893 0.78261989 1.519917e-01
## ENSG00000099956 4.524428e+02 -0.3187230432 0.19217121 -1.658537e+00
## ENSG00000099957 7.009465e+01 -0.2109121429 0.55077989 -3.829336e-01
## ENSG00000099958 1.296360e+00 -0.7966312791 1.58562951 -5.024069e-01
## ENSG00000099960 1.165192e+01 -0.3799381580 0.60299529 -6.300848e-01
## ENSG00000099968 1.379700e+03 -0.0271328298 0.17009981 -1.595112e-01

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## ENSG00000099974 2.839124e+01    0.4987165993 0.32653270 1.527310e+00
## ENSG00000099977 2.478282e+02    0.3394052221 0.18472935 1.837311e+00
## ENSG00000099984 1.401167e+01    0.6605141284 1.22374016 5.397503e-01
## ENSG00000099985 1.361651e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000099991 1.717187e+03    0.6950703224 0.17953826 3.871433e+00
## ENSG00000099992 3.734195e+02    0.3382490520 0.17747836 1.905861e+00
## ENSG00000099994 7.000900e+01     0.6492147354 0.77471230 8.380075e-01
## ENSG00000099995 2.004526e+03    0.0887803807 0.11074345 8.016762e-01
## ENSG00000099998 5.288089e+02    2.3094007722 0.86796717 2.660701e+00
## ENSG00000099999 3.055859e+02    -0.1003984879 0.12112870 -8.288579e-01
## ENSG00000100003 2.439387e+02    0.6222878584 0.27175295 2.289903e+00
## ENSG00000100012 1.694821e+00    -0.2751801514 1.20758557 -2.278763e-01
## ENSG00000100014 2.449276e+03    0.3420605889 0.14039185 2.436470e+00
## ENSG00000100023 9.019095e+02    -0.1141729915 0.11878793 -9.611497e-01
## ENSG00000100024 9.794240e+00     0.3291870351 0.77189603 4.264655e-01
## ENSG00000100027 1.082449e+02    0.4529543446 0.35157163 1.288370e+00
## ENSG00000100028 7.764651e+02    -0.1427512453 0.16231078 -8.794933e-01
## ENSG00000100029 1.164074e+03    0.0981243093 0.12270634 7.996678e-01
## ENSG00000100030 3.202104e+03    0.0143808297 0.10577023 1.359629e-01
## ENSG00000100031 5.549635e+01     0.2379164216 0.46142079 5.156170e-01
## ENSG00000100033 5.502150e+01     3.9435076917 0.62409970 6.318714e+00
## ENSG00000100034 1.145350e+03    -0.2956831421 0.16257724 -1.818724e+00
## ENSG00000100036 1.012114e+02    0.4104920053 0.24872206 1.650404e+00
## ENSG00000100038 3.731559e+02    0.2176730370 0.21879139 9.948885e-01
## ENSG00000100053 0.000000e+00      NA          NA          NA
## ENSG00000100055 2.864463e+00    -1.7227096028 1.13121373 -1.522886e+00
## ENSG00000100056 3.382881e+02    0.0799935489 0.11365480 7.038290e-01
## ENSG00000100058 2.011498e+02    -0.0660631566 0.33929971 -1.947044e-01
## ENSG00000100060 0.000000e+00      NA          NA          NA
## ENSG00000100065 7.504587e+01    -0.3482039057 0.26313131 -1.323309e+00
## ENSG00000100068 3.329225e+01    -0.0177000709 0.56800732 -3.116169e-02
## ENSG00000100075 1.163622e+03    0.2907922718 0.13448939 2.162195e+00
## ENSG00000100077 9.646023e+01    -0.3492047142 0.37718095 -9.258281e-01
## ENSG00000100078 5.941334e-01    -1.5124569115 2.38603082 -6.338799e-01
## ENSG00000100079 1.220658e+01    0.1403511199 0.51551671 2.722533e-01
## ENSG00000100083 7.214160e+02    -0.1250684594 0.12270359 -1.019273e+00
## ENSG00000100084 8.929492e+02    0.1219523073 0.08950543 1.362513e+00
## ENSG00000100092 1.530034e+02    -0.6453533635 0.18832623 -3.426784e+00
## ENSG00000100095 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000100097 1.726327e+04    -0.1603618763 0.09693025 -1.654405e+00
## ENSG00000100099 6.455964e+02    -0.4461574427 0.12135330 -3.676517e+00
## ENSG00000100100 2.564775e+03    0.0558449271 0.21116071 2.644665e-01
## ENSG00000100101 0.000000e+00      NA          NA          NA
## ENSG00000100104 2.744664e+02    0.0344923913 0.20378401 1.692596e-01
## ENSG00000100105 3.873070e+02    -0.2241487105 0.14974056 -1.496914e+00
## ENSG00000100106 5.238382e+03    -0.4520597486 0.17364301 -2.603386e+00
## ENSG00000100109 7.077954e+02    0.0822068103 0.12869074 6.387935e-01
## ENSG00000100116 1.230364e+02    0.6464519699 0.17154165 3.768484e+00
## ENSG00000100121 1.842001e+00    0.8533443804 1.34865957 6.327352e-01
## ENSG00000100122 8.248407e-01    -1.1391877496 2.33327403 -4.882357e-01
## ENSG00000100124 2.400935e+02    0.2517858135 0.14491307 1.737496e+00
## ENSG00000100129 7.029742e+03    -0.0113959930 0.16820319 -6.775135e-02
## ENSG00000100138 1.166370e+03    0.0689253682 0.14984510 4.599774e-01
## ENSG00000100139 7.074331e+02    -0.0845130348 0.23094834 -3.659391e-01

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## ENSG00000100142 4.379420e+02    0.2510050706 0.13098804  1.916244e+00
## ENSG00000100146 7.193936e-01   -0.6435124633 2.35624216 -2.731096e-01
## ENSG00000100147 3.931360e+01   -0.3958519061 0.28422921 -1.392721e+00
## ENSG00000100150 2.265803e+02   -0.3708810260 0.35782973 -1.036473e+00
## ENSG00000100151 7.944243e+01    0.0266739878 0.30879669  8.638042e-02
## ENSG00000100154 2.015195e+03   -0.8479588390 0.17231720 -4.920918e+00
## ENSG00000100156 3.292920e+00    0.6112092467 1.13041811  5.406931e-01
## ENSG00000100162 9.393995e+00   -0.9288023847 0.71946464 -1.290963e+00
## ENSG00000100167 1.826619e+01   -1.3849690387 0.69586359 -1.990288e+00
## ENSG00000100170 1.594125e+00   -0.9721155754 1.62373765 -5.986900e-01
## ENSG00000100191 0.000000e+00      NA          NA          NA
## ENSG00000100196 1.430774e+03    0.1675439388 0.07876378  2.127170e+00
## ENSG00000100197 7.365511e+00   -0.9043974873 1.27974844 -7.066994e-01
## ENSG00000100201 1.208688e+04    0.0433389783 0.08973356  4.829740e-01
## ENSG00000100206 4.595883e+01    1.6274274804 0.47814882  3.403600e+00
## ENSG00000100207 1.077736e+02   -0.2457934004 0.17870604 -1.375406e+00
## ENSG00000100209 1.869867e+02   -0.3903976538 0.14132886 -2.762335e+00
## ENSG00000100211 4.761569e+02   -0.1587143486 0.14197955 -1.117868e+00
## ENSG00000100216 7.609291e+02   -0.0036099202 0.16009368 -2.254880e-02
## ENSG00000100218 7.940926e-01   -0.2904735539 1.96182279 -1.480631e-01
## ENSG00000100219 1.152478e+03   -0.0748352304 0.15071265 -4.965425e-01
## ENSG00000100220 1.114810e+03   -0.0686159302 0.10082192 -6.805656e-01
## ENSG00000100221 1.227559e+03    0.3386815158 0.15660742  2.162615e+00
## ENSG00000100225 1.673172e+03    0.0167845119 0.10660341  1.574482e-01
## ENSG00000100226 9.488868e+02    0.1033252211 0.13705999  7.538686e-01
## ENSG00000100227 1.667232e+03   -0.0741484289 0.09413845 -7.876530e-01
## ENSG00000100228 1.564870e+02   -0.0681486912 0.23191472 -2.938524e-01
## ENSG00000100234 5.183670e+04   -0.6450493587 0.20510518 -3.144969e+00
## ENSG00000100239 1.208395e+03    0.0935537015 0.09825033  9.521974e-01
## ENSG00000100241 3.115441e+03    0.1635724476 0.07331501  2.231091e+00
## ENSG00000100242 3.905313e+03    1.7021146207 0.25198343  6.754867e+00
## ENSG00000100243 1.356972e+04    0.2421369822 0.12207447  1.983519e+00
## ENSG00000100246 2.531072e+02   -0.1102456249 0.15264849 -7.222189e-01
## ENSG00000100249 2.483433e+00   -1.1642619909 1.11461470 -1.044542e+00
## ENSG00000100253 1.253031e+00    0.6863506100 1.55221138  4.421760e-01
## ENSG00000100258 1.464035e+03    0.0078777200 0.11076647  7.112008e-02
## ENSG00000100263 2.974962e+02   -0.0765838268 0.15462040 -4.953022e-01
## ENSG00000100266 1.011087e+03    0.5493948925 0.12331224  4.455315e+00
## ENSG00000100271 2.536859e+02   -0.2420765227 0.13353645 -1.812812e+00
## ENSG00000100276 5.970185e-01    1.8389791546 2.90772270  6.324465e-01
## ENSG00000100280 1.239641e+03   -0.1430973046 0.13405497 -1.067452e+00
## ENSG00000100281 6.391030e+02   -0.0124114340 0.11224315 -1.105763e-01
## ENSG00000100284 9.866476e+02    0.1405670673 0.18987379  7.403185e-01
## ENSG00000100285 3.511240e+01    0.2954260778 0.96129278  3.073216e-01
## ENSG00000100288 5.141303e+02   -0.2464017281 0.12723270 -1.936623e+00
## ENSG00000100290 2.212567e-01    1.5394092681 3.52295593  4.369652e-01
## ENSG00000100292 2.424339e+03   -1.3139280117 0.26966749 -4.872400e+00
## ENSG00000100294 1.876280e+02    0.2696309319 0.16105957  1.674107e+00
## ENSG00000100296 8.213092e+02    0.2764981701 0.42115380  6.565254e-01
## ENSG00000100297 2.302973e+02    0.1824048456 0.20553075  8.874820e-01
## ENSG00000100298 1.284688e+00   -0.6661367491 1.52857621 -4.357890e-01
## ENSG00000100299 9.324980e+02    0.0435441166 0.15104346  2.882887e-01
## ENSG00000100300 1.886725e+03    0.2106567151 0.16104737  1.308042e+00
## ENSG00000100302 3.590244e+01   -1.9895398635 0.48733326 -4.082504e+00

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## ENSG00000100304 5.695665e+02    0.4956653921 0.25508063  1.943171e+00
## ENSG00000100307 8.114143e+02    0.1896679923 0.17540044  1.081343e+00
## ENSG00000100311 2.121478e-01   -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000100312 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000100314 3.819487e+00   -0.1111430855 0.97906609 -1.135195e-01
## ENSG00000100316 3.152350e+04   -0.0479077019 0.19558398 -2.449470e-01
## ENSG00000100319 2.492015e+02   -0.1432922602 0.13884573 -1.032025e+00
## ENSG00000100320 5.407339e+03   -0.4135796827 0.10020038 -4.127526e+00
## ENSG00000100321 6.623342e+02   -0.1987844682 0.14627303 -1.358996e+00
## ENSG00000100324 6.083002e+02   -0.1327711087 0.14138154 -9.390979e-01
## ENSG00000100325 8.982351e+02   -0.2105572033 0.10180000 -2.068342e+00
## ENSG00000100330 1.615658e+03   -0.1618735413 0.12400385 -1.305391e+00
## ENSG00000100335 1.012811e+03   0.1530719422 0.10955167  1.397258e+00
## ENSG00000100336 1.693434e+02   -0.1219775610 0.33910560 -3.597038e-01
## ENSG00000100341 1.458641e+01   -0.6567023230 1.08551167 -6.049703e-01
## ENSG00000100342 1.001993e+03   -0.1719416935 0.29070269 -5.914692e-01
## ENSG00000100344 1.056909e+02   0.2267412295 0.54641665  4.149603e-01
## ENSG00000100345 4.185499e+04   0.2847023124 0.18131851  1.570178e+00
## ENSG00000100346 1.468157e+00   -0.6492047755 1.55990764 -4.161815e-01
## ENSG00000100347 8.030481e+02   0.0825205626 0.16772576  4.919970e-01
## ENSG00000100348 1.142596e+03   -0.0682839661 0.12088403 -5.648717e-01
## ENSG00000100350 5.760442e+02   -0.5861609396 0.20862319 -2.809663e+00
## ENSG00000100351 1.388017e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000100353 3.550427e+03   0.0061920997 0.09713814  6.374530e-02
## ENSG00000100354 9.735619e+02   -0.2764482621 0.21263857 -1.300085e+00
## ENSG00000100359 7.092732e+02   0.2081455088 0.17147452  1.213857e+00
## ENSG00000100360 5.852543e+02   -0.2511541522 0.10250276 -2.450218e+00
## ENSG00000100362 0.000000e+00   NA          NA          NA
## ENSG00000100364 1.951091e+03   -0.3928074854 0.21999893 -1.785497e+00
## ENSG00000100365 1.862932e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000100368 0.000000e+00   NA          NA          NA
## ENSG00000100372 2.365777e+02   0.1127862324 0.15070103  7.484105e-01
## ENSG00000100373 1.794770e-01   1.4168819359 3.52545357  4.019006e-01
## ENSG00000100376 7.176923e+02   -0.6151697434 0.38430703 -1.600725e+00
## ENSG00000100379 2.945946e+02   0.0748590581 0.17231363  4.344349e-01
## ENSG00000100380 6.325858e+03   -0.3030305890 0.07403024 -4.093335e+00
## ENSG00000100385 6.422017e+00   0.4770416823 0.84246150  5.662475e-01
## ENSG00000100387 6.283367e+02   0.2275129888 0.21383426  1.063969e+00
## ENSG00000100393 2.481809e+03   0.1845363355 0.08371284  2.204397e+00
## ENSG00000100395 4.759138e+02   -0.4622733167 0.14698162 -3.145110e+00
## ENSG00000100399 2.538022e+01   -0.9742154197 0.42363000 -2.299685e+00
## ENSG00000100401 2.008250e+03   0.3892863095 0.14389392  2.705370e+00
## ENSG00000100403 4.041906e+03   0.0600910474 0.15665292  3.835935e-01
## ENSG00000100410 2.606246e+02   0.08350555432 0.14123656  5.912459e-01
## ENSG00000100412 1.729591e+03   0.1022500861 0.10392185  9.839133e-01
## ENSG00000100413 9.004582e+02   -0.0942283022 0.15832572 -5.951547e-01
## ENSG00000100416 3.470145e+02   0.2145756069 0.15716435  1.365294e+00
## ENSG00000100417 7.902699e+02   0.2532732962 0.10501340  2.411819e+00
## ENSG00000100418 6.176826e+02   0.3620078019 0.12271452  2.950000e+00
## ENSG00000100422 1.626354e+03   0.1079901856 0.16457551  6.561741e-01
## ENSG00000100425 7.109065e+02   -0.0207684782 0.10609174 -1.957596e-01
## ENSG00000100426 2.934656e+02   0.1239569518 0.16693048  7.425663e-01
## ENSG00000100427 1.414800e+01   -0.7195933773 0.77340929 -9.304173e-01
## ENSG00000100429 3.390056e+02   0.1509357039 0.19640628  7.684871e-01

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## ENSG00000100433 2.873785e+00 -0.3788968228 1.06951914 -3.542684e-01
## ENSG00000100439 2.061220e+03 -0.2686444932 0.10194879 -2.635092e+00
## ENSG00000100441 1.740678e+03 0.1479789205 0.10937403 1.352962e+00
## ENSG00000100442 6.884139e+02 0.1100494524 0.15406887 7.142874e-01
## ENSG00000100445 4.561494e+02 0.0376998783 0.16628013 2.267251e-01
## ENSG00000100448 0.000000e+00 NA NA NA
## ENSG00000100450 0.000000e+00 NA NA NA
## ENSG00000100453 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000100461 9.794138e+02 -0.2388915449 0.10093827 -2.366709e+00
## ENSG00000100462 7.846383e+02 0.0107150418 0.12719534 8.424084e-02
## ENSG00000100473 5.387413e+00 0.7098779802 0.85396420 8.312737e-01
## ENSG00000100478 9.744088e+01 0.1597300454 0.20473655 7.801736e-01
## ENSG00000100479 2.193773e+01 -0.4318455034 0.38828098 -1.112198e+00
## ENSG00000100483 7.187843e+01 0.0168907054 0.27823957 6.070562e-02
## ENSG00000100485 9.395758e+02 0.5447083568 0.15796364 3.448315e+00
## ENSG00000100490 2.334471e+02 0.2172656985 0.25277217 8.595317e-01
## ENSG00000100503 1.608920e+03 -0.0879874941 0.13177552 -6.677075e-01
## ENSG00000100504 1.110964e+03 0.1003640248 0.11763450 8.531853e-01
## ENSG00000100505 5.838415e+01 -0.2860998137 0.67382883 -4.245883e-01
## ENSG00000100519 8.194171e+02 -0.0993760486 0.10835687 -9.171181e-01
## ENSG00000100522 8.436135e+02 0.3084995676 0.09211568 3.349045e+00
## ENSG00000100523 1.049670e+03 -0.3036001392 0.12999634 -2.335451e+00
## ENSG00000100526 5.622187e+01 0.2723011332 0.23062731 1.180698e+00
## ENSG00000100528 2.256834e+03 0.3721240463 0.13865134 2.683883e+00
## ENSG00000100532 1.926672e+02 0.2125107795 0.17964910 1.182922e+00
## ENSG00000100554 9.115690e+02 0.2320598958 0.11310900 2.051648e+00
## ENSG00000100557 3.472870e+00 -0.7460183259 0.95148238 -7.840590e-01
## ENSG00000100558 5.622004e+00 -0.0600032010 0.68369286 -8.776339e-02
## ENSG00000100564 1.861338e+02 0.1046503596 0.16706170 6.264174e-01
## ENSG00000100565 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000100567 8.679214e+02 0.0717552312 0.14952750 4.798798e-01
## ENSG00000100568 2.216148e+03 -0.0367527103 0.08467670 -4.340357e-01
## ENSG00000100575 2.686322e+02 -0.2255439434 0.18117995 -1.244861e+00
## ENSG00000100577 2.035051e+02 -0.3506447149 0.12870616 -2.724382e+00
## ENSG00000100578 3.323595e+02 -0.2964411784 0.16315869 -1.816889e+00
## ENSG00000100580 3.930976e+02 0.2857563501 0.13412110 2.130585e+00
## ENSG00000100583 1.674794e+01 -0.1786413000 0.45125722 -3.958747e-01
## ENSG00000100591 1.116406e+03 0.0963894656 0.22816335 4.224581e-01
## ENSG00000100592 7.716324e+02 -1.0322638781 0.20163899 -5.119367e+00
## ENSG00000100593 2.173151e+00 -0.8350471116 1.41855277 -5.886613e-01
## ENSG00000100596 8.743979e+02 0.0809597760 0.10396665 7.787091e-01
## ENSG00000100599 6.238897e+02 -0.3314799013 0.15399268 -2.152569e+00
## ENSG00000100600 1.118943e+03 0.4528812410 0.13717931 3.301381e+00
## ENSG00000100601 1.577328e+02 0.4319314830 0.20290695 2.128717e+00
## ENSG00000100603 1.138909e+03 0.0757185304 0.09504876 7.966283e-01
## ENSG00000100604 2.286975e-01 -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000100605 3.111745e+02 0.4220421156 0.24015019 1.757409e+00
## ENSG00000100612 8.167810e+02 0.1832655361 0.11197073 1.636727e+00
## ENSG00000100614 1.283489e+03 0.2152240836 0.13315903 1.616294e+00
## ENSG00000100625 5.782818e+02 -0.3901281150 0.23827285 -1.637317e+00
## ENSG00000100626 5.390653e+02 -0.8897505703 0.14955001 -5.949519e+00
## ENSG00000100628 2.782811e+01 1.0876310350 0.68726347 1.582553e+00
## ENSG00000100629 6.669773e+01 0.2566260562 0.38805647 6.613111e-01
## ENSG00000100632 1.045020e+03 -0.1361011605 0.14440444 -9.424998e-01

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## ENSG00000100644 7.231589e+03    0.4877308680 0.23666106 2.060883e+00
## ENSG00000100647 8.504332e+02    0.6780174395 0.16609966 4.081992e+00
## ENSG00000100650 5.013835e+03    -0.0281864463 0.09812261 -2.872574e-01
## ENSG00000100652 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000100664 4.453088e+03    -0.1619507136 0.15415696 -1.050557e+00
## ENSG00000100665 0.000000e+00      NA          NA          NA
## ENSG00000100678 3.750559e+00    0.9600452769 2.49163729 3.853070e-01
## ENSG00000100697 1.569865e+03    0.1054706118 0.10997543 9.590380e-01
## ENSG00000100711 1.277150e+03    -0.1292761788 0.18934097 -6.827692e-01
## ENSG00000100714 1.069406e+03    0.3800767141 0.14278620 2.661859e+00
## ENSG00000100721 1.563022e+00    -0.4013186963 1.68279901 -2.384828e-01
## ENSG00000100722 1.222738e+03    -0.0514799788 0.09149777 -5.626365e-01
## ENSG00000100726 3.495398e+02    0.1085002560 0.16452416 6.594792e-01
## ENSG00000100731 2.411132e+03    -0.2307253294 0.17226405 -1.339370e+00
## ENSG00000100739 2.076222e+02    -1.8561781567 0.33700196 -5.507915e+00
## ENSG00000100744 4.126091e+02    -0.0264265952 0.19398412 -1.362307e-01
## ENSG00000100749 8.097988e+01    0.0917886805 0.19485964 4.710502e-01
## ENSG00000100764 1.058557e+03    -0.0045032068 0.09542115 -4.719296e-02
## ENSG00000100767 2.740898e+02    0.9803859153 0.34171900 2.868983e+00
## ENSG00000100784 1.801906e+02    -1.8160402346 0.29569068 -6.141689e+00
## ENSG00000100796 1.084479e+03    -0.1691897374 0.14441243 -1.171573e+00
## ENSG00000100802 1.615516e+02    -0.4787922695 0.19457888 -2.460659e+00
## ENSG00000100804 1.669632e+03    -0.0068532406 0.10677113 -6.418627e-02
## ENSG00000100811 2.375951e+03    -0.0769448918 0.09861267 -7.802739e-01
## ENSG00000100813 4.349066e+03    -0.4852483858 0.08394344 -5.780659e+00
## ENSG00000100814 5.248351e+02    0.0257418971 0.14369693 1.791402e-01
## ENSG00000100815 1.445706e+03    -0.0940290713 0.15039773 -6.252027e-01
## ENSG00000100823 1.692908e+03    -0.2681729463 0.17700826 -1.515031e+00
## ENSG00000100836 1.967741e+03    -0.0966018223 0.10229087 -9.443836e-01
## ENSG00000100842 2.687030e+02    -0.5839160135 0.24184169 -2.414456e+00
## ENSG00000100852 1.840593e+03    0.0564665817 0.12575795 4.490101e-01
## ENSG00000100865 4.456562e+02    -0.0790640109 0.14905327 -5.304413e-01
## ENSG00000100867 1.774164e+01    1.2158040357 0.91573126 1.327687e+00
## ENSG00000100883 9.246214e+02    0.1078513131 0.10551943 1.022099e+00
## ENSG00000100884 0.000000e+00      NA          NA          NA
## ENSG00000100888 1.698025e+03    -0.0760334792 0.13697520 -5.550894e-01
## ENSG00000100889 3.637282e+02    -0.2094059288 0.19888128 -1.052919e+00
## ENSG00000100890 4.439267e+02    0.2924446186 0.19255412 1.518766e+00
## ENSG00000100897 1.063864e+03    0.1747441027 0.09777415 1.787222e+00
## ENSG00000100902 1.033493e+03    0.1334881926 0.11885331 1.123134e+00
## ENSG00000100906 5.688978e+02    0.8566326153 0.20811488 4.116153e+00
## ENSG00000100908 8.981655e+01    0.0174995037 0.32138071 5.445101e-02
## ENSG00000100911 6.614768e+02    -0.3773227600 0.16420036 -2.297941e+00
## ENSG00000100916 2.122015e+02    0.4628461870 0.17616456 2.627351e+00
## ENSG00000100918 3.669182e+01    -0.0987332979 0.37747194 -2.615646e-01
## ENSG00000100926 1.276522e+03    0.1069176667 0.13853983 7.717468e-01
## ENSG00000100934 3.887246e+03    -0.0349378604 0.14275236 -2.447445e-01
## ENSG00000100938 1.097047e+03    0.1416564449 0.12857323 1.101757e+00
## ENSG00000100941 1.735703e+03    -0.0051130955 0.08421235 -6.071669e-02
## ENSG00000100949 2.938345e+02    -0.0970536289 0.11771544 -8.244766e-01
## ENSG00000100968 3.772854e+03    -0.4195610461 0.18779284 -2.234170e+00
## ENSG00000100979 6.690494e+03    -0.2929464073 0.18702941 -1.566312e+00
## ENSG00000100982 5.337175e+02    0.0012437812 0.12520580 9.933894e-03
## ENSG00000100983 6.047155e+02    -0.3131123524 0.15097824 -2.073891e+00

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## ENSG00000100985 0.000000e+00      NA       NA       NA
## ENSG00000100987 2.332906e+00 -0.5816532730 1.13627935 -5.118928e-01
## ENSG00000100991 2.296704e+03  0.0132991831 0.08293538  1.603560e-01
## ENSG00000100994 3.076649e+03  0.6325105569 0.10440648  6.058154e+00
## ENSG00000100997 1.258537e+03  0.3320883429 0.12565310  2.642898e+00
## ENSG00000101000 2.584776e+02 -0.3111898250 0.19478079 -1.597641e+00
## ENSG00000101003 3.752605e+01 -0.0244825228 0.37509502 -6.527019e-02
## ENSG00000101004 4.437344e+02 -0.5104744289 0.17474933 -2.921181e+00
## ENSG00000101017 1.025468e+02  0.8159353250 0.46544138  1.753036e+00
## ENSG00000101019 7.232591e+02 -0.1081475305 0.12561096 -8.609721e-01
## ENSG00000101040 5.563507e+02 -0.1801391712 0.18418602 -9.780285e-01
## ENSG00000101049 1.285340e+01 -1.5753472610 0.62577510 -2.517434e+00
## ENSG00000101052 7.794629e+02 -0.0981574913 0.08627759 -1.137694e+00
## ENSG00000101057 6.829988e+00 -0.1469852217 0.76173201 -1.929619e-01
## ENSG00000101074 4.986436e-01 -0.4881415693 3.09375165 -1.577830e-01
## ENSG00000101076 3.965039e+00  0.1881475351 0.91943229  2.046345e-01
## ENSG00000101079 8.615590e+02 -0.5111796521 0.20200813 -2.530490e+00
## ENSG00000101082 3.435517e+00  0.7985431061 1.01559371  7.862821e-01
## ENSG00000101084 6.366463e+02  0.5079194856 0.13375640  3.797347e+00
## ENSG00000101096 3.904723e+00 -1.0980202533 0.89885648 -1.221575e+00
## ENSG00000101098 1.913497e+01 -0.3187055651 0.65176017 -4.889921e-01
## ENSG00000101104 3.547307e+02 -0.1686960435 0.25096655 -6.721854e-01
## ENSG00000101109 8.288720e+02 -0.1291842558 0.13019118 -9.922658e-01
## ENSG00000101115 1.751319e+01 -1.1207490760 0.65555209 -1.709626e+00
## ENSG00000101126 1.652318e+03 -0.3337201135 0.07578159 -4.403709e+00
## ENSG00000101132 3.889977e+02 -0.0556260356 0.17749246 -3.133994e-01
## ENSG00000101134 3.285951e+02 -0.9111472641 0.33081647 -2.754238e+00
## ENSG00000101138 6.047691e+02 -0.0961768725 0.17050689 -5.640644e-01
## ENSG00000101144 5.965119e-01  0.6694847008 2.45250142  2.729804e-01
## ENSG00000101146 4.580559e+02 -0.0268181148 0.13759621 -1.949045e-01
## ENSG00000101150 3.804670e+03  0.3252761952 0.08458882  3.845380e+00
## ENSG00000101152 1.940845e+03  0.1861989118 0.07932797  2.347204e+00
## ENSG00000101158 8.426662e+02 -0.0223915390 0.13039776 -1.717172e-01
## ENSG00000101160 2.241410e+03  0.1564713754 0.13994874  1.118062e+00
## ENSG00000101161 1.946151e+03  0.0892720300 0.08717657  1.024037e+00
## ENSG00000101162 6.652545e+00  0.2398203809 1.24422324  1.927471e-01
## ENSG00000101166 6.526834e+02 -0.0120290368 0.15907256 -7.561981e-02
## ENSG00000101180 1.388017e-01  0.8946997229 3.53381154  2.531826e-01
## ENSG00000101181 4.030340e+02  0.0154111601 0.13155331  1.171476e-01
## ENSG00000101182 1.620561e+03  0.3049845583 0.12329226  2.473671e+00
## ENSG00000101187 1.036886e+01 -1.2226907861 0.61042706 -2.003009e+00
## ENSG00000101188 4.553317e-01 -2.2310734636 3.04226105 -7.333603e-01
## ENSG00000101189 3.872922e+02  0.2393122350 0.13786977  1.735785e+00
## ENSG00000101190 4.672634e+02  0.1609169044 0.13287076  1.211078e+00
## ENSG00000101191 1.527998e+03 -0.0564507090 0.09762933 -5.782146e-01
## ENSG00000101193 7.622126e+02  0.0745210627 0.16928706  4.402053e-01
## ENSG00000101194 7.065379e+01 -0.1288907607 0.34480219 -3.738107e-01
## ENSG00000101197 4.982339e-01 -1.3257182334 3.47229140 -3.817992e-01
## ENSG00000101198 2.923671e-01  0.1733657147 3.53381154  4.905913e-02
## ENSG00000101199 1.567600e+03 -0.0340551450 0.12660971 -2.689773e-01
## ENSG00000101200 1.388017e-01  0.8946997229 3.53381154  2.531826e-01
## ENSG00000101203 9.894554e-01  0.8714249169 1.91660984  4.546700e-01
## ENSG00000101204 0.000000e+00      NA       NA       NA
## ENSG00000101210 2.167882e+01 -0.1837113467 0.74820653 -2.455356e-01

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## ENSG00000101213 7.620955e+00 -0.1607023058 0.61824932 -2.599312e-01
## ENSG00000101216 3.303354e+02 -0.0230985094 0.12467226 -1.852738e-01
## ENSG00000101220 5.177098e+02 0.1750944004 0.18436915 9.496947e-01
## ENSG00000101222 5.353948e+00 0.1492108122 0.87174008 1.711643e-01
## ENSG00000101224 2.567021e+03 -0.6708932593 0.20469218 -3.277571e+00
## ENSG00000101230 5.131393e+01 0.8886985199 0.60410640 1.471096e+00
## ENSG00000101236 2.589927e+03 0.4703028626 0.22597417 2.081224e+00
## ENSG00000101246 4.020186e+02 -0.3502777788 0.13583001 -2.578795e+00
## ENSG00000101247 1.293787e+02 0.0062475483 0.18222495 3.428481e-02
## ENSG00000101251 1.255731e+00 0.3936128941 2.19096874 1.796524e-01
## ENSG00000101255 2.879525e+02 -1.0519848282 0.30587381 -3.439277e+00
## ENSG00000101265 1.647557e+03 -1.0638390395 0.40335586 -2.637470e+00
## ENSG00000101266 1.842420e+03 -0.1414404055 0.12442088 -1.136790e+00
## ENSG00000101276 3.591174e+00 1.0193574434 0.85804293 1.188003e+00
## ENSG00000101278 1.777079e+00 -2.4755770009 1.44062068 -1.718410e+00
## ENSG00000101280 5.121729e+00 0.2568765663 0.81455938 3.153565e-01
## ENSG00000101282 1.002371e+00 -1.5840125453 1.97742865 -8.010466e-01
## ENSG00000101290 2.135739e+03 0.6338621327 0.17363189 3.650609e+00
## ENSG00000101292 0.000000e+00 NA NA NA
## ENSG00000101294 2.608011e+03 0.0631393389 0.07782511 8.112978e-01
## ENSG00000101298 2.802434e+02 -0.2537756627 0.16749650 -1.515110e+00
## ENSG00000101306 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000101307 2.119950e+01 -0.7188132249 0.69339702 -1.036655e+00
## ENSG00000101310 4.988454e+02 -0.0573801989 0.15003909 -3.824350e-01
## ENSG00000101311 5.468552e+01 -0.2643254331 0.39271933 -6.730645e-01
## ENSG00000101323 0.000000e+00 NA NA NA
## ENSG00000101327 0.000000e+00 NA NA NA
## ENSG00000101331 0.000000e+00 NA NA NA
## ENSG00000101333 6.191686e+02 0.6531795070 0.33421507 1.954369e+00
## ENSG00000101335 1.666522e+04 0.5207596141 0.24736820 2.105200e+00
## ENSG00000101336 4.846924e-01 -1.2770034311 3.10840071 -4.108233e-01
## ENSG00000101337 1.978942e+03 -0.0387238632 0.08254599 -4.691187e-01
## ENSG00000101342 5.370314e+01 4.1342682979 0.51709696 7.995151e+00
## ENSG00000101343 7.125201e+02 0.2681561078 0.11225226 2.388870e+00
## ENSG00000101346 2.238814e+03 -0.0571816446 0.10834496 -5.277739e-01
## ENSG00000101347 1.413499e+04 3.8504143111 0.28487352 1.351622e+01
## ENSG00000101349 0.000000e+00 NA NA NA
## ENSG00000101350 2.335251e+03 0.1580695439 0.07655015 2.064915e+00
## ENSG00000101353 6.040755e+01 -0.4001385021 0.33771229 -1.184850e+00
## ENSG00000101361 1.095076e+03 0.2229880217 0.16636297 1.340371e+00
## ENSG00000101363 1.029354e+03 0.2326567099 0.11124363 2.091416e+00
## ENSG00000101365 7.783632e+02 0.1036405166 0.11736342 8.830734e-01
## ENSG00000101367 1.795154e+03 0.2807242588 0.09665023 2.904538e+00
## ENSG00000101384 1.244857e+03 -0.5836708790 0.13679677 -4.266701e+00
## ENSG00000101391 2.501993e+02 0.1764469260 0.17017372 1.036864e+00
## ENSG00000101400 4.212830e+02 0.2627462449 0.18639371 1.409630e+00
## ENSG00000101405 8.291994e-01 3.2282117588 2.70489226 1.193471e+00
## ENSG00000101407 3.639108e+02 -0.1456954717 0.11822121 -1.232397e+00
## ENSG00000101412 3.886662e+01 0.2740246246 0.37569292 7.293846e-01
## ENSG00000101413 5.979225e+02 0.0306137155 0.11140595 2.747943e-01
## ENSG00000101417 2.912953e+02 -0.5895585107 0.14144705 -4.168051e+00
## ENSG00000101421 2.252127e+03 0.1017790290 0.10071414 1.010573e+00
## ENSG00000101425 1.289365e+01 -0.3185723025 0.48649220 -6.548354e-01
## ENSG00000101435 0.000000e+00 NA NA NA

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## ENSG00000101438 0.000000e+00 NA NA NA
## ENSG00000101439 4.068415e+03 0.3686746778 0.11791378 3.126646e+00
## ENSG00000101440 9.425598e-01 -2.3979540978 1.86356450 -1.286757e+00
## ENSG00000101441 0.000000e+00 NA NA NA
## ENSG00000101442 8.448500e+01 -0.0262487451 0.21576305 -1.216554e-01
## ENSG00000101443 0.000000e+00 NA NA NA
## ENSG00000101444 1.339026e+03 0.0951891011 0.18272191 5.209507e-01
## ENSG00000101445 3.018863e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000101446 0.000000e+00 NA NA NA
## ENSG00000101447 1.647445e+02 1.3132345274 1.04838291 1.252629e+00
## ENSG00000101448 1.107160e+01 -0.5292044045 0.62009621 -8.534231e-01
## ENSG00000101452 3.348971e+02 0.2938768970 0.17373882 1.691487e+00
## ENSG00000101457 3.376911e+02 -0.2883298696 0.15695582 -1.837013e+00
## ENSG00000101460 4.780262e+02 0.6075820536 0.13846456 4.387997e+00
## ENSG00000101463 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000101464 2.449812e+02 -0.1093295569 0.15721298 -6.954232e-01
## ENSG00000101470 2.123221e+01 -0.8933373720 0.45807594 -1.950195e+00
## ENSG00000101473 4.007274e+02 -0.1370683490 0.11219979 -1.221645e+00
## ENSG00000101474 2.564583e+03 0.2851299087 0.09783656 2.914349e+00
## ENSG00000101489 5.343334e+00 -0.8223552177 0.89171063 -9.222221e-01
## ENSG00000101493 9.873395e+02 -0.0233917125 0.15610774 -1.498434e-01
## ENSG00000101542 2.080239e+00 -1.2052895294 1.40051125 -8.606068e-01
## ENSG00000101544 4.963579e+02 -0.0404125416 0.16994114 -2.378032e-01
## ENSG00000101546 2.353559e+02 -0.0806213914 0.15629681 -5.158224e-01
## ENSG00000101557 1.325156e+03 0.1547398347 0.10677273 1.449245e+00
## ENSG00000101558 2.573657e+03 0.4010291349 0.10512096 3.814930e+00
## ENSG00000101574 1.941235e+02 0.5247077497 0.29717486 1.765653e+00
## ENSG00000101577 1.331525e+03 -0.1632643362 0.17484606 -9.337605e-01
## ENSG00000101596 1.803968e+03 -0.1167239559 0.12109940 -9.638690e-01
## ENSG00000101605 1.135319e+02 0.5270944251 0.45744897 1.152247e+00
## ENSG00000101608 5.385861e+03 0.8830348474 0.18117899 4.873826e+00
## ENSG00000101624 1.008450e+02 -0.2612782221 0.26108462 -1.000742e+00
## ENSG00000101638 1.606122e+01 1.0784068921 0.90758336 1.188218e+00
## ENSG00000101639 6.829333e+02 0.0102942961 0.11169853 9.216143e-02
## ENSG00000101654 1.145770e+03 -0.0858554468 0.10473012 -8.197780e-01
## ENSG00000101665 2.571582e+02 0.3101313072 0.14122579 2.195996e+00
## ENSG00000101670 2.088010e+01 -0.4114783136 0.36177040 -1.137402e+00
## ENSG00000101680 1.648492e+02 0.0198606375 0.27532340 7.213567e-02
## ENSG00000101695 2.383446e+01 0.4590029312 0.51093497 8.983588e-01
## ENSG00000101745 1.473859e+03 0.1553646865 0.13097075 1.186255e+00
## ENSG00000101746 4.081745e-01 -0.0233950113 3.26419165 -7.167168e-03
## ENSG00000101751 6.207682e+02 0.1151761474 0.15267485 7.543885e-01
## ENSG00000101752 1.630860e+03 0.0861307775 0.13933109 6.181734e-01
## ENSG00000101773 4.616575e+02 0.1636505682 0.13535917 1.209010e+00
## ENSG00000101782 1.428594e+03 0.4890405011 0.14519898 3.368071e+00
## ENSG00000101811 1.951038e+02 0.0423095845 0.17831745 2.372711e-01
## ENSG00000101812 9.048074e+00 -0.8151663002 0.67614403 -1.205610e+00
## ENSG00000101825 4.737757e+03 -1.3308617300 0.26813166 -4.963464e+00
## ENSG00000101842 5.247989e+00 -0.8342713856 0.80279009 -1.039215e+00
## ENSG00000101843 6.207452e+02 -0.4296286490 0.12157581 -3.533833e+00
## ENSG00000101844 2.019682e+02 -0.2202709499 0.21962401 -1.002946e+00
## ENSG00000101846 2.284406e+03 0.2768527656 0.33018991 8.384652e-01
## ENSG00000101849 7.127399e+02 -0.0824453154 0.17558946 -4.695345e-01
## ENSG00000101850 0.000000e+00 NA NA NA

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## ENSG00000101856 3.575821e+03 -0.1814910648 0.12187332 -1.489178e+00
## ENSG00000101868 2.308687e+02 -0.1001658869 0.19589402 -5.113269e-01
## ENSG00000101871 2.740187e+03 -0.4719025866 0.21212788 -2.224614e+00
## ENSG00000101882 3.962341e+02 -0.0311180179 0.10302454 -3.020447e-01
## ENSG00000101883 4.038485e-01 -0.6717679409 3.51984350 -1.908517e-01
## ENSG00000101888 2.247076e+02 -0.1174347890 0.16332533 -7.190237e-01
## ENSG00000101890 0.000000e+00 NA NA NA
## ENSG00000101892 3.773273e+00 -0.5293828084 0.84823931 -6.240961e-01
## ENSG00000101898 1.176505e+01 -0.5509376368 0.52793208 -1.043577e+00
## ENSG00000101901 4.564762e+02 0.3581376612 0.14244960 2.514136e+00
## ENSG00000101911 5.094628e+02 0.2815934288 0.15657742 1.798429e+00
## ENSG00000101916 3.186941e-01 -1.7304205930 3.49374139 -4.952916e-01
## ENSG00000101928 1.018582e+03 0.4446986832 0.17730140 2.508151e+00
## ENSG00000101935 2.779526e+02 0.0080048656 0.23634078 3.387001e-02
## ENSG00000101938 1.945861e+02 1.1020061133 0.38571085 2.857078e+00
## ENSG00000101940 1.207455e+03 0.2267512669 0.14965377 1.515172e+00
## ENSG00000101945 5.862378e+01 -0.0519546567 0.25308879 -2.052823e-01
## ENSG00000101951 0.000000e+00 NA NA NA
## ENSG00000101955 4.382946e+03 0.9497579906 0.19365317 4.904428e+00
## ENSG00000101958 4.814748e+00 -0.9015002865 0.95948959 -9.395623e-01
## ENSG00000101966 9.348371e+02 0.0292339883 0.15867917 1.842333e-01
## ENSG00000101972 2.135636e+03 0.1073488753 0.10253130 1.046986e+00
## ENSG00000101974 1.402307e+03 0.5417401006 0.10262149 5.279012e+00
## ENSG00000101977 6.843802e+00 2.1557897609 0.78067357 2.761448e+00
## ENSG00000101981 0.000000e+00 NA NA NA
## ENSG00000101986 4.671066e+02 0.1240445983 0.19291723 6.429939e-01
## ENSG00000101997 2.356699e+02 0.0171746487 0.13456785 1.276282e-01
## ENSG00000102001 2.681419e+00 0.8206395857 1.98108193 4.142381e-01
## ENSG00000102003 2.702272e+01 0.1339410269 0.39484610 3.392234e-01
## ENSG00000102007 1.014326e+03 0.4897679247 0.14612411 3.351726e+00
## ENSG00000102010 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000102021 4.290047e-01 -0.5512701034 3.16300717 -1.742867e-01
## ENSG00000102024 7.250250e+03 0.2300211166 0.20016880 1.149136e+00
## ENSG00000102030 6.400446e+02 0.0676095561 0.14534816 4.651559e-01
## ENSG00000102032 2.360576e+01 0.4660323937 0.53616763 8.691916e-01
## ENSG00000102034 5.263075e+02 -0.1941592951 0.18664587 -1.040255e+00
## ENSG00000102038 2.931364e+03 -0.0847026554 0.08207301 -1.032040e+00
## ENSG00000102043 7.355046e+00 -0.7381441138 0.63667628 -1.159371e+00
## ENSG00000102048 5.897285e+00 -0.0204319721 0.93567990 -2.183650e-02
## ENSG00000102053 8.812947e+01 -0.2909896984 0.20651564 -1.409044e+00
## ENSG00000102054 1.946851e+03 0.1357017941 0.09941743 1.364970e+00
## ENSG00000102055 0.000000e+00 NA NA NA
## ENSG00000102057 1.753652e+02 -0.0529492244 0.25945126 -2.040816e-01
## ENSG00000102076 0.000000e+00 NA NA NA
## ENSG00000102078 1.235109e+02 0.1097396177 0.15481725 7.088332e-01
## ENSG00000102081 6.987667e+02 -0.1371376919 0.08931084 -1.535510e+00
## ENSG00000102096 5.361744e+01 0.2936112544 0.34400712 8.535034e-01
## ENSG00000102098 5.104082e+01 -0.4546405516 0.27542042 -1.650715e+00
## ENSG00000102100 3.574657e+02 0.3637966795 0.11782123 3.087701e+00
## ENSG00000102103 4.500340e+02 -0.1429675542 0.14848360 -9.628508e-01
## ENSG00000102104 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000102109 6.938465e+00 -0.2789982283 1.80208211 -1.548199e-01
## ENSG00000102119 9.043061e+02 0.2412486746 0.09038448 2.669138e+00
## ENSG00000102125 3.377275e+02 0.3080033979 0.17929733 1.717836e+00

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## ENSG00000102128 3.855336e+00 1.0424960511 0.89486148 1.164980e+00
## ENSG00000102144 7.932925e+03 0.4637022175 0.26875022 1.725402e+00
## ENSG00000102145 0.000000e+00 NA NA NA
## ENSG00000102158 2.328488e+03 -0.1300698960 0.16156293 -8.050726e-01
## ENSG00000102172 1.209709e+03 -0.0654102810 0.19284713 -3.391820e-01
## ENSG00000102174 2.250239e+02 -0.5522956172 0.59220371 -9.326109e-01
## ENSG00000102178 5.918066e+02 0.2018863530 0.12182255 1.657217e+00
## ENSG00000102181 3.199585e+03 0.0142463611 0.09014382 1.580404e-01
## ENSG00000102189 2.861714e+03 -0.2315960002 0.15147033 -1.528986e+00
## ENSG00000102195 0.000000e+00 NA NA NA
## ENSG00000102218 4.314365e+02 0.5327963085 0.14376406 3.706047e+00
## ENSG00000102221 2.288699e+02 -0.7633466384 0.21674084 -3.521933e+00
## ENSG00000102225 1.617615e+03 0.0444647542 0.07905581 5.624476e-01
## ENSG00000102226 1.468335e+03 -0.2106226985 0.07369619 -2.857986e+00
## ENSG00000102230 3.752199e+00 0.1338535660 0.92195966 1.451838e-01
## ENSG00000102239 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000102241 1.375403e+03 -0.2148257747 0.09641551 -2.228125e+00
## ENSG00000102243 0.000000e+00 NA NA NA
## ENSG00000102245 1.018860e+00 0.2141656722 1.92757731 1.111061e-01
## ENSG00000102265 1.595800e+04 -0.3082312009 0.20600850 -1.496206e+00
## ENSG00000102271 2.059867e+00 -0.6257684414 1.25481423 -4.986941e-01
## ENSG00000102287 1.737222e+02 -0.5367245860 0.42032153 -1.276938e+00
## ENSG00000102290 3.066535e+00 -0.0148822941 0.94391729 -1.576652e-02
## ENSG00000102302 5.269149e+02 -0.3148756860 0.13676617 -2.302292e+00
## ENSG00000102309 2.338999e+02 -0.1473174429 0.18784154 -7.842645e-01
## ENSG00000102312 2.014536e+02 0.1226680239 0.17691017 6.933916e-01
## ENSG00000102313 0.000000e+00 NA NA NA
## ENSG00000102316 3.093906e+03 -0.3920401480 0.12506953 -3.134578e+00
## ENSG00000102317 3.495706e+03 0.3569154387 0.16738347 2.132322e+00
## ENSG00000102349 1.053915e+02 0.2135369650 0.42167695 5.063994e-01
## ENSG00000102359 9.326952e+02 0.0666146950 0.24884651 2.676939e-01
## ENSG00000102362 3.632283e+02 0.4197041304 0.31912363 1.315177e+00
## ENSG00000102383 1.902153e+01 -0.9004078728 0.46951044 -1.917759e+00
## ENSG00000102384 4.920943e+01 -0.1545972643 0.26040136 -5.936884e-01
## ENSG00000102385 1.105641e+02 -1.0005214960 0.26119959 -3.830486e+00
## ENSG00000102387 1.183303e+01 -0.2856716010 0.62706152 -4.555719e-01
## ENSG00000102390 3.516510e+02 -0.2711167778 0.12135617 -2.234059e+00
## ENSG00000102393 2.834192e+02 -0.0539935000 0.11479913 -4.703302e-01
## ENSG00000102401 2.942135e+03 -0.3333576273 0.10793030 -3.088638e+00
## ENSG00000102409 3.007953e+02 -0.2169910644 0.12304068 -1.763572e+00
## ENSG00000102445 3.212407e+02 -0.7532479222 0.51164603 -1.472205e+00
## ENSG00000102452 1.143435e+02 0.6546074403 0.42640194 1.535189e+00
## ENSG00000102466 3.145676e+02 0.6365494548 0.34363411 1.852405e+00
## ENSG00000102468 1.433519e+01 -1.5121549160 0.65868338 -2.295724e+00
## ENSG00000102471 5.857199e+02 -0.0209094203 0.13114809 -1.594337e-01
## ENSG00000102524 6.132086e+01 -1.0968571466 0.27304156 -4.017180e+00
## ENSG00000102531 2.310024e+03 -0.1580833860 0.13434849 -1.176667e+00
## ENSG00000102539 6.697007e-01 1.0378257115 2.35670540 4.403714e-01
## ENSG00000102543 1.934679e+02 0.1692657357 0.22277363 7.598105e-01
## ENSG00000102547 6.037871e+02 0.5033063749 0.15387948 3.270783e+00
## ENSG00000102554 1.725555e+02 2.7638096314 0.52910031 5.223602e+00
## ENSG00000102572 1.384953e+03 0.2338133043 0.12821433 1.823613e+00
## ENSG00000102575 3.807528e+01 -1.4882571066 0.64279341 -2.315296e+00
## ENSG00000102580 2.156887e+03 0.4217592689 0.12117902 3.480465e+00

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## ENSG00000102595 9.041158e+02    0.1107194984 0.14189807 7.802749e-01
## ENSG00000102606 1.447941e+03    0.1585097610 0.15217097 1.041656e+00
## ENSG00000102678 1.591614e+02    -0.4325838969 0.54102739 -7.995601e-01
## ENSG00000102683 1.819767e+01    0.0811126120 0.85026787 9.539654e-02
## ENSG00000102699 2.934941e+03    0.1109456070 0.14656507 7.569717e-01
## ENSG00000102710 7.871446e+02    -0.2216205471 0.13621399 -1.627003e+00
## ENSG00000102738 1.863765e+02    -0.1034624828 0.16233303 -6.373471e-01
## ENSG00000102743 7.461738e+01    -0.3348810003 0.34499253 -9.706906e-01
## ENSG00000102753 1.350903e+03    0.2907013114 0.12586975 2.309541e+00
## ENSG00000102755 4.752255e+01    0.8124203190 0.56174542 1.446243e+00
## ENSG00000102760 1.101902e+03    3.0695233171 0.67001445 4.581279e+00
## ENSG00000102763 6.315127e+02    -0.1229827451 0.13786320 -8.920636e-01
## ENSG00000102780 4.725909e+02    0.6614720952 0.15271193 4.331502e+00
## ENSG00000102781 6.265745e+02    0.3110429988 0.12537680 2.480866e+00
## ENSG00000102786 6.791935e+02    0.0009788435 0.11356908 8.618926e-03
## ENSG00000102794 0.000000e+00      NA       NA       NA
## ENSG00000102796 1.058606e+02    -0.0539771360 0.26120125 -2.066496e-01
## ENSG00000102802 1.581943e+03    0.6447073482 0.27725293 2.325340e+00
## ENSG00000102804 5.382053e+03    1.1509341153 0.14267308 8.066933e+00
## ENSG00000102805 1.064422e+03    -0.0894997513 0.12586906 -7.110544e-01
## ENSG00000102837 3.191666e-01    -1.7322889739 3.49360098 -4.958463e-01
## ENSG00000102854 1.283060e+00    -0.7968734274 1.56694659 -5.085517e-01
## ENSG00000102858 1.229404e+03    -0.0198955675 0.13727844 -1.449286e-01
## ENSG00000102870 9.309819e+02    0.0886673277 0.10828057 8.188665e-01
## ENSG00000102871 3.079780e+02    0.0717465610 0.17465503 4.107901e-01
## ENSG00000102878 1.723565e+02    -0.5011498483 0.28343842 -1.768108e+00
## ENSG00000102879 1.045549e+01    -1.4779278234 0.62371432 -2.369559e+00
## ENSG00000102882 2.437114e+03    -0.2757741250 0.10033169 -2.748624e+00
## ENSG00000102886 7.501032e+01    0.2323405659 0.33284027 6.980542e-01
## ENSG00000102890 1.515806e+01    -0.5054053297 0.61917681 -8.162536e-01
## ENSG00000102891 0.000000e+00      NA       NA       NA
## ENSG00000102893 1.475127e+03    -0.0586706367 0.08359687 -7.018282e-01
## ENSG00000102897 3.764090e+02    0.1796689856 0.12969558 1.385313e+00
## ENSG00000102898 1.281164e+03    0.0209273431 0.11773980 1.777423e-01
## ENSG00000102900 6.186175e+02    0.4222550518 0.11057744 3.818636e+00
## ENSG00000102901 6.923422e+02    0.1075302145 0.15663524 6.865008e-01
## ENSG00000102904 4.742003e+01    -0.1535329703 0.24576244 -6.247210e-01
## ENSG00000102908 2.275774e+03    -0.1504772016 0.19380242 -7.764465e-01
## ENSG00000102910 2.183831e+03    -0.1151450847 0.09791964 -1.175914e+00
## ENSG00000102921 8.494925e+02    -0.1872434780 0.17921379 -1.044805e+00
## ENSG00000102924 2.776034e-01    1.7547236597 3.51383760 4.993753e-01
## ENSG00000102931 1.450495e+03    0.0062149250 0.10568532 5.880594e-02
## ENSG00000102934 1.168304e+02    0.5484433429 0.43429556 1.262834e+00
## ENSG00000102935 3.868705e+01    -1.2996967717 0.39090928 -3.324804e+00
## ENSG00000102962 6.311420e+00    -0.1548781576 0.65584446 -2.361507e-01
## ENSG00000102967 9.511484e+01    -0.1716268768 0.20203894 -8.494742e-01
## ENSG00000102970 0.000000e+00      NA       NA       NA
## ENSG00000102974 7.040047e+02    -0.2565183606 0.09910232 -2.588419e+00
## ENSG00000102977 2.237274e+02    0.0325390241 0.14163806 2.297336e-01
## ENSG00000102978 9.286004e+02    0.1614189047 0.13336868 1.210321e+00
## ENSG00000102981 2.794271e+01    -0.1531322523 0.40880528 -3.745848e-01
## ENSG00000102984 9.405929e+01    -1.2346443084 0.21017021 -5.874497e+00
## ENSG00000102996 1.680838e+02    1.2688706136 0.30784592 4.121772e+00
## ENSG00000103005 6.421872e+02    0.3512480569 0.12468468 2.817091e+00

```

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## ENSG00000103018 9.761689e+02 -0.2761023281 0.12956091 -2.131062e+00
## ENSG00000103021 1.561187e+02 -0.3859795880 0.17707282 -2.179779e+00
## ENSG00000103023 3.725864e-01 1.9122524910 3.50425252 5.456948e-01
## ENSG00000103024 2.518248e+02 0.1174602335 0.21187937 5.543732e-01
## ENSG00000103034 1.798860e+02 -0.4610282611 0.32983231 -1.397766e+00
## ENSG00000103035 1.253258e+03 0.2693481620 0.09822650 2.742113e+00
## ENSG00000103037 1.705180e+02 -0.0762857983 0.16528776 -4.615333e-01
## ENSG00000103042 6.951427e+02 -0.0886305964 0.15532830 -5.706017e-01
## ENSG00000103043 9.457896e+02 -0.0999508329 0.10110480 -9.885864e-01
## ENSG00000103044 1.533479e+01 0.0947238492 0.48583554 1.949710e-01
## ENSG00000103047 2.247769e+02 0.0083940414 0.26515962 3.165656e-02
## ENSG00000103051 1.494540e+03 0.0075473506 0.16203203 4.657937e-02
## ENSG00000103056 4.674531e+01 0.1208559586 0.38623341 3.129091e-01
## ENSG00000103061 5.970018e+02 0.1868927313 0.16099695 1.160846e+00
## ENSG00000103064 1.735720e+03 1.3753268412 0.16877436 8.148909e+00
## ENSG00000103066 9.580859e+02 0.3017138096 0.21605877 1.396443e+00
## ENSG00000103067 3.230853e+00 -0.0678637809 0.87870128 -7.723191e-02
## ENSG00000103089 0.000000e+00 NA NA NA
## ENSG00000103091 6.806337e+02 0.1183791849 0.14690572 8.058174e-01
## ENSG00000103111 1.094910e+03 0.4307366743 0.12893787 3.340653e+00
## ENSG00000103121 1.809488e+02 0.0884926741 0.18750292 4.719536e-01
## ENSG00000103126 5.153870e+02 0.2252012647 0.13138204 1.714095e+00
## ENSG00000103145 9.275005e+02 -0.3765506416 0.18514912 -2.033770e+00
## ENSG00000103148 7.052529e+02 -0.0496705798 0.19588821 -2.535660e-01
## ENSG00000103150 3.165390e+02 0.7171235046 0.19474902 3.682296e+00
## ENSG00000103152 1.009086e+03 0.1450447589 0.15082647 9.616665e-01
## ENSG00000103154 1.700998e+00 0.5664693997 1.68346770 3.364896e-01
## ENSG00000103160 4.264111e+02 -0.1904088035 0.13905416 -1.369314e+00
## ENSG00000103168 6.205400e+02 0.1873552232 0.19481326 9.617170e-01
## ENSG00000103174 4.113577e+02 -0.1602030461 0.14095569 -1.136549e+00
## ENSG00000103175 2.748508e+02 1.6641817602 0.37710339 4.413065e+00
## ENSG00000103184 1.179079e+02 0.3300689801 0.45670406 7.227196e-01
## ENSG00000103187 2.271523e+03 0.3717982127 0.14443145 2.574219e+00
## ENSG00000103194 9.159584e+02 0.2298269525 0.13315899 1.725959e+00
## ENSG00000103196 3.096159e+03 2.6260341340 0.26744447 9.818988e+00
## ENSG00000103197 2.124059e+03 -0.1234126565 0.13589662 -9.081363e-01
## ENSG00000103199 3.092521e+02 0.0286532728 0.19710105 1.453735e-01
## ENSG00000103200 0.000000e+00 NA NA NA
## ENSG00000103202 1.581857e+03 -0.1582045737 0.15171142 -1.042799e+00
## ENSG00000103222 2.437916e+03 -0.4113994718 0.29082338 -1.414602e+00
## ENSG00000103226 4.157722e+01 -0.0143531974 0.44724896 -3.209219e-02
## ENSG00000103227 2.986987e+02 0.1887897900 0.18144180 1.040498e+00
## ENSG00000103241 1.680317e+03 0.1444120533 0.16873827 8.558346e-01
## ENSG00000103245 3.087157e+02 0.0830575427 0.14012442 5.927414e-01
## ENSG00000103248 2.945127e+02 -0.4941563235 0.15642973 -3.158967e+00
## ENSG00000103249 1.931696e+03 -0.0669163539 0.07566660 -8.843579e-01
## ENSG00000103253 8.509269e+01 0.4511433406 0.26601505 1.695932e+00
## ENSG00000103254 1.068636e+02 0.2502784004 0.21410448 1.168955e+00
## ENSG00000103257 4.499331e+02 -1.1438249802 0.30998693 -3.689914e+00
## ENSG00000103260 3.179706e+02 0.2654749154 0.28924015 9.178356e-01
## ENSG00000103264 1.226111e+03 0.0148688011 0.16910766 8.792506e-02
## ENSG00000103266 1.257044e+03 0.1037870578 0.12577972 8.251493e-01
## ENSG00000103269 3.900741e+01 0.0972598413 0.34854707 2.790436e-01
## ENSG00000103274 1.998838e+02 -0.3195865764 0.18589971 -1.719134e+00

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## ENSG00000103275 2.278862e+03    0.0169630250 0.08718055  1.945735e-01
## ENSG00000103310 3.836773e-01    1.0333888392 3.51383736  2.940913e-01
## ENSG00000103313 9.425694e+00    -0.1035266056 0.55584008 -1.862525e-01
## ENSG00000103316 1.308825e+01    -1.3375375184 0.69008587 -1.938219e+00
## ENSG00000103319 1.257964e+03    0.2797749046 0.23628888  1.184038e+00
## ENSG00000103326 5.770179e+02    0.2638169163 0.13893998  1.898783e+00
## ENSG00000103335 3.720164e+03    0.0720020634 0.12682616  5.677225e-01
## ENSG00000103342 2.435044e+03    0.1217308224 0.10743020  1.133115e+00
## ENSG00000103343 1.802071e+02    -0.0790983421 0.18597805 -4.253101e-01
## ENSG00000103351 6.771365e+02    -0.2794908099 0.13042798 -2.142875e+00
## ENSG00000103353 2.073874e+03    -0.2752085355 0.11761231 -2.339964e+00
## ENSG00000103355 0.000000e+00    NA          NA          NA
## ENSG00000103356 3.521062e+02    -0.1550114015 0.21243996 -7.296716e-01
## ENSG00000103363 1.709685e+03    0.0633429439 0.15534716  4.077509e-01
## ENSG00000103365 1.235154e+03    -0.6209693432 0.16886981 -3.677208e+00
## ENSG00000103375 3.836773e-01    1.0333888392 3.51383736  2.940913e-01
## ENSG00000103381 7.886476e+02    0.9762255130 0.14320660  6.816903e+00
## ENSG00000103404 3.024849e+02    0.6758311831 0.13160119  5.135449e+00
## ENSG00000103415 2.463865e+02    0.1779468830 0.14194914  1.253596e+00
## ENSG00000103423 3.418798e+02    -0.1083286301 0.15125533 -7.161971e-01
## ENSG00000103426 4.493363e+00    1.6142748803 2.35822068  6.845309e-01
## ENSG00000103429 6.181303e+02    0.0707777051 0.13402383  5.280979e-01
## ENSG00000103449 4.394457e+01    0.9487673279 0.89224178  1.063352e+00
## ENSG00000103460 0.000000e+00    NA          NA          NA
## ENSG00000103472 3.399295e+01    -0.1167857199 0.47021107 -2.483687e-01
## ENSG00000103479 2.612375e+03    0.3134967872 0.16754743  1.871093e+00
## ENSG00000103485 8.769835e+02    -1.1205077109 0.13043776 -8.590363e+00
## ENSG00000103489 9.755338e+02    -0.0661548374 0.21543737 -3.070723e-01
## ENSG00000103490 1.969767e+02    0.1898783461 0.24293055  7.816157e-01
## ENSG00000103494 2.768269e+02    -0.1424733584 0.19393594 -7.346413e-01
## ENSG00000103495 1.277474e+03    -0.2093456754 0.12143115 -1.723987e+00
## ENSG00000103496 6.445792e+02    -0.0911185830 0.12447414 -7.320282e-01
## ENSG00000103502 3.348303e+03    0.8397531906 0.08394246  1.000391e+01
## ENSG00000103507 8.784587e+02    -0.0089684574 0.16141581 -5.556121e-02
## ENSG00000103510 4.547268e+02    0.0228885470 0.12342101  1.854510e-01
## ENSG00000103512 2.480174e+02    -0.6739639422 1.60494587 -4.199294e-01
## ENSG00000103522 1.069521e+01    -0.6691198796 0.57788161 -1.157884e+00
## ENSG00000103528 9.353622e+00    -0.7998726607 0.64534651 -1.239447e+00
## ENSG00000103534 4.356319e+00    -0.0260875796 1.02302619 -2.550040e-02
## ENSG00000103540 3.667649e+02    -0.1769098315 0.13024748 -1.358259e+00
## ENSG00000103544 1.629755e+03    0.0598320541 0.10970532  5.453888e-01
## ENSG00000103546 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000103549 1.759472e+03    -0.0028960081 0.11350337 -2.551473e-02
## ENSG00000103550 3.041942e+02    0.0369969939 0.16709607  2.214115e-01
## ENSG00000103569 0.000000e+00    NA          NA          NA
## ENSG00000103591 7.266742e+02    -0.1730614851 0.12514014 -1.382941e+00
## ENSG00000103599 4.353292e+01    -0.1880517409 0.26277587 -7.156355e-01
## ENSG00000103642 5.249386e+02    0.2928019616 0.28168540  1.039464e+00
## ENSG00000103647 5.510542e+02    -1.2520299886 0.27450053 -4.561121e+00
## ENSG00000103653 5.205352e+02    -0.0603729530 0.13301855 -4.538687e-01
## ENSG00000103657 2.068154e+03    0.1580526056 0.10508639  1.504025e+00
## ENSG00000103671 3.531087e+02    0.1141094108 0.16498984  6.916148e-01
## ENSG00000103707 2.249589e+02    0.1479758772 0.12493854  1.184389e+00
## ENSG00000103710 1.065029e+03    -1.0158833617 0.26820182 -3.787757e+00

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## ENSG00000103723 5.506002e+01    0.0621765565 0.38230304  1.626368e-01
## ENSG00000103740 2.516166e+01   -0.2677762254 0.49519154 -5.407528e-01
## ENSG00000103742 3.563202e+02   -2.1044997238 0.44641989 -4.714171e+00
## ENSG00000103769 1.957364e+03    0.0251518533 0.12555319  2.003283e-01
## ENSG00000103811 9.435683e+02    0.2869426911 0.40048694  7.164845e-01
## ENSG00000103832 2.126202e-01   -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000103852 4.609788e+02    -0.1652429770 0.16784127 -9.845194e-01
## ENSG00000103855 2.550024e+03    -0.3102363052 0.14777858 -2.099332e+00
## ENSG00000103876 3.839886e+02   -0.5162482519 0.13897978 -3.714556e+00
## ENSG00000103888 1.240297e+05    1.0160720576 0.42944515  2.366011e+00
## ENSG00000103932 5.107489e+02    0.2522549108 0.17660728  1.428338e+00
## ENSG00000103942 6.899293e+01   -0.0457795557 0.31801892 -1.439523e-01
## ENSG00000103966 6.612454e+02    0.1869117938 0.19324931  9.672055e-01
## ENSG00000103978 1.009482e+03    0.5075877012 0.15679730  3.237222e+00
## ENSG00000103994 1.110569e+04    0.4285192412 0.19440867  2.204219e+00
## ENSG00000103995 1.318630e+02   -0.7222921138 0.27830078 -2.595365e+00
## ENSG00000104043 7.973516e+02   -0.3952352030 0.24336386 -1.624051e+00
## ENSG00000104044 7.123659e-01   3.0390075229 3.44186760  8.829531e-01
## ENSG00000104047 1.678161e+03   -0.4632222291 0.11420578 -4.056031e+00
## ENSG00000104055 3.188227e+00   -0.9648637605 1.18251609 -8.159413e-01
## ENSG00000104059 1.098949e+00   1.9286739491 2.25940597  8.536199e-01
## ENSG00000104064 5.976959e+02   -0.0130879801 0.11701912 -1.118448e-01
## ENSG00000104067 1.327588e+03    0.3290932786 0.26160017  1.258001e+00
## ENSG00000104081 2.311073e+02   -0.6196600841 0.30682871 -2.019564e+00
## ENSG00000104093 7.230210e+02   -0.5055219480 0.12416594 -4.071341e+00
## ENSG00000104112 6.704116e+00   -0.3173448036 0.77015448 -4.120534e-01
## ENSG00000104129 1.463562e+02   -0.0316737140 0.16208487 -1.954144e-01
## ENSG00000104131 5.960964e+02    0.2771171806 0.14320147  1.935156e+00
## ENSG00000104133 1.820357e+03    0.0150631558 0.08506238  1.770836e-01
## ENSG00000104140 1.092229e+00   1.8798033110 1.87763055  1.001157e+00
## ENSG00000104142 8.988790e+02    0.4363655870 0.13862646  3.147780e+00
## ENSG00000104147 1.160022e+01   -0.0945383807 0.54774103 -1.725969e-01
## ENSG00000104154 4.544204e+02    0.2278542069 0.18211903  1.251128e+00
## ENSG00000104164 2.021839e+03   -0.0769860020 0.08141715 -9.455748e-01
## ENSG00000104177 2.497198e+02   -0.2382464490 0.26277342 -9.066611e-01
## ENSG00000104205 2.764389e+02    0.2935501803 0.25198923  1.164931e+00
## ENSG00000104213 3.251345e+02    0.1202722524 0.37717095  3.188800e-01
## ENSG00000104218 4.127830e+02   -0.2294732750 0.16346121 -1.403839e+00
## ENSG00000104219 1.465222e+03    0.2474013556 0.22660571  1.091770e+00
## ENSG00000104221 3.185500e+02    0.0146646076 0.19326040  7.588004e-02
## ENSG00000104228 4.024509e+02    0.2205025480 0.16917016  1.303436e+00
## ENSG00000104231 2.832803e+02   -0.2344765963 0.12377396 -1.894394e+00
## ENSG00000104237 3.574218e-01   0.8190846999 3.30257097  2.480143e-01
## ENSG00000104267 2.776034e-01   1.7547236597 3.51383760  4.993753e-01
## ENSG00000104290 1.606363e+01    0.6878848473 0.68626809  1.002356e+00
## ENSG00000104299 2.496374e+02    0.0634397280 0.12720248  4.987303e-01
## ENSG00000104312 2.805012e+02   -0.2471547395 0.15572099 -1.587164e+00
## ENSG00000104313 1.021886e+02   -0.9753689043 0.24028813 -4.059164e+00
## ENSG00000104320 7.557496e+02   -0.3363829671 0.13716507 -2.452395e+00
## ENSG00000104321 8.596600e+02   -0.4966120209 0.25750330 -1.928566e+00
## ENSG00000104324 1.470349e+03   -0.1193599873 0.16712432 -7.141988e-01
## ENSG00000104325 8.832413e+02   -0.0948552919 0.13759113 -6.893998e-01
## ENSG00000104327 1.650451e+01   0.1830697169 0.59944956  3.053964e-01
## ENSG00000104331 2.633833e+03   0.3203863275 0.12353733  2.593437e+00

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## ENSG00000104332 1.424298e+04    0.6099000752 0.62992045 9.682176e-01
## ENSG00000104341 1.234708e+03   -0.1113285838 0.15500294 -7.182353e-01
## ENSG00000104343 4.660349e+02    0.3040941274 0.17214400 1.766510e+00
## ENSG00000104356 2.001891e+02    0.1086935764 0.20714137 5.247314e-01
## ENSG00000104361 1.271149e+03   -0.3718718206 0.22252332 -1.671159e+00
## ENSG00000104365 1.018492e+03    0.0679514372 0.09858595 6.892609e-01
## ENSG00000104368 7.959617e+02   -0.1610711645 0.22753929 -7.078829e-01
## ENSG00000104369 2.630364e-01    1.7010395714 3.51732531 4.836174e-01
## ENSG00000104371 0.000000e+00      NA        NA        NA
## ENSG00000104375 6.918542e+02   -0.3895162649 0.12954885 -3.006713e+00
## ENSG00000104381 1.273267e+02   -0.3414725205 0.26875278 -1.270582e+00
## ENSG00000104388 2.848533e+03    0.2788303912 0.11797938 2.363382e+00
## ENSG00000104408 5.399903e+03   -0.0947668939 0.08599253 -1.102036e+00
## ENSG00000104412 5.644429e+02   -0.0106146724 0.09993649 -1.062142e-01
## ENSG00000104413 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000104415 4.545340e+02   -0.7845225963 0.32024273 -2.449775e+00
## ENSG00000104419 3.436795e+03    0.2061120068 0.24583081 8.384303e-01
## ENSG00000104427 3.715184e+02   -0.0039606292 0.19619558 -2.018715e-02
## ENSG00000104432 1.553904e+01   -0.0784314289 0.47451718 -1.652868e-01
## ENSG00000104435 2.282307e+00    0.9583762278 1.49212212 6.422907e-01
## ENSG00000104442 5.848911e+02   -0.0662114937 0.11516356 -5.749344e-01
## ENSG00000104447 4.379645e+02   -0.4560213058 0.19694249 -2.315505e+00
## ENSG00000104450 4.438226e+01    0.0782303311 0.28136853 2.780351e-01
## ENSG00000104472 5.898723e+02    0.2363867972 0.12698430 1.861544e+00
## ENSG00000104490 3.623912e+01   -0.8386585564 0.43505124 -1.927724e+00
## ENSG00000104497 2.103503e+02   -0.0522164298 0.22296753 -2.341885e-01
## ENSG00000104499 0.000000e+00      NA        NA        NA
## ENSG00000104517 4.102320e+03    0.1118921808 0.13453544 8.316930e-01
## ENSG00000104518 3.165698e+02    0.1165501454 0.25080726 4.647000e-01
## ENSG00000104522 2.334542e+02   -0.0983348400 0.15995312 -6.147729e-01
## ENSG00000104524 6.472345e+01    0.3612631356 0.25328628 1.426304e+00
## ENSG00000104529 3.045505e+03    0.0019605739 0.15830382 1.238488e-02
## ENSG00000104537 8.516966e+00    0.5490065211 0.65188567 8.421822e-01
## ENSG00000104549 3.806780e+02    0.1037843229 0.16480769 6.297299e-01
## ENSG00000104611 8.524643e+02   -0.5521305937 0.25192285 -2.191665e+00
## ENSG00000104613 8.526759e+02    0.0846512300 0.18131136 4.668832e-01
## ENSG00000104626 4.359072e+02   -0.0484930978 0.16093106 -3.013284e-01
## ENSG00000104635 1.267428e+03    0.1109382557 0.21369639 5.191396e-01
## ENSG00000104643 4.274775e+02    0.0539358611 0.14246546 3.785890e-01
## ENSG00000104660 5.811830e+02   -0.1173103569 0.24473077 -4.793445e-01
## ENSG00000104671 4.356670e+02    0.2220120805 0.13460401 1.649372e+00
## ENSG00000104679 2.915785e+02   -0.1457519551 0.19471309 -7.485473e-01
## ENSG00000104687 1.076042e+03    0.7461964245 0.15721186 4.746439e+00
## ENSG00000104689 6.212335e+01    0.5013872686 0.32245934 1.554885e+00
## ENSG00000104691 1.762555e+02    0.0118957459 0.15782597 7.537255e-02
## ENSG00000104695 1.955632e+03    0.5820407007 0.14863527 3.915899e+00
## ENSG00000104714 3.102833e+02    0.2588941905 0.21384159 1.210682e+00
## ENSG00000104722 5.585175e+01    0.3899917660 0.70933363 5.498002e-01
## ENSG00000104723 1.374024e+03   -0.2106826336 0.16631291 -1.266785e+00
## ENSG00000104728 9.363021e+02    0.0028176108 0.15068262 1.869898e-02
## ENSG00000104731 2.635328e+02   -0.0737846857 0.21648365 -3.408326e-01
## ENSG00000104738 5.317759e+02   -0.5991667482 0.19702888 -3.041010e+00
## ENSG00000104755 0.000000e+00      NA        NA        NA
## ENSG00000104756 1.773428e+03    0.7500405079 0.09395976 7.982571e+00

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## ENSG00000104760 0.000000e+00 NA NA NA
## ENSG00000104763 3.183977e+03 0.1072243800 0.20775381 5.161127e-01
## ENSG00000104765 8.552654e+03 0.2505388485 0.23403728 1.070508e+00
## ENSG00000104774 3.165001e+03 0.0804740232 0.12630855 6.371225e-01
## ENSG00000104783 4.076191e+00 -0.3192546621 0.94691545 -3.371522e-01
## ENSG00000104804 1.364990e+01 -0.2102237158 0.82301922 -2.554299e-01
## ENSG00000104805 7.299149e+03 0.0901619855 0.13862861 6.503851e-01
## ENSG00000104808 2.178531e+00 0.7390542318 1.17414567 6.294400e-01
## ENSG00000104812 1.719627e+03 0.6251211457 0.30860845 2.025613e+00
## ENSG00000104814 5.373349e+00 -1.0610546579 0.77929786 -1.361552e+00
## ENSG00000104818 0.000000e+00 NA NA NA
## ENSG00000104823 7.163083e+02 0.3305989520 0.13816286 2.392821e+00
## ENSG00000104824 1.515089e+03 -0.1378572619 0.08168347 -1.687701e+00
## ENSG00000104825 2.141282e+02 0.4024046427 0.14383399 2.797702e+00
## ENSG00000104826 3.989134e-01 -0.5091316996 3.22205928 -1.580144e-01
## ENSG00000104827 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000104833 1.086162e+00 -0.1866696832 2.18994215 -8.523955e-02
## ENSG00000104835 7.850817e+01 -0.2490700105 0.22697374 -1.097352e+00
## ENSG00000104848 7.869669e+00 -0.4406623201 0.65600764 -6.717335e-01
## ENSG00000104852 4.122783e+03 0.1846470087 0.13180225 1.400940e+00
## ENSG00000104853 2.041711e+03 0.1516357913 0.07215517 2.101524e+00
## ENSG00000104856 1.339581e+02 -0.1598904658 0.24073653 -6.641720e-01
## ENSG00000104859 4.090321e+02 -0.0069542570 0.14777703 -4.705912e-02
## ENSG00000104863 3.449752e+01 -0.6289467463 0.33815700 -1.859925e+00
## ENSG00000104866 5.805976e+02 -0.2161253043 0.12423900 -1.739593e+00
## ENSG00000104870 2.821153e+03 0.0802326993 0.08815083 9.101752e-01
## ENSG00000104872 5.888524e+02 0.1602014896 0.11577775 1.383698e+00
## ENSG00000104879 1.636792e+00 -0.0177922883 1.30293261 -1.365557e-02
## ENSG00000104880 8.316673e+02 0.1633632463 0.13435299 1.215926e+00
## ENSG00000104881 1.730309e+02 0.5851482791 0.21446123 2.728457e+00
## ENSG00000104883 3.697517e+01 -0.0741359610 0.31642468 -2.342926e-01
## ENSG00000104884 4.279735e+02 0.0447556451 0.18791675 2.381674e-01
## ENSG00000104885 3.740658e+02 0.2320173881 0.17017199 1.363429e+00
## ENSG00000104886 5.148152e+02 0.4463585941 0.14474233 3.083815e+00
## ENSG00000104888 2.234540e+01 0.0135874056 0.37886666 3.586329e-02
## ENSG00000104889 7.754448e+01 -0.2309679060 0.21928633 -1.053271e+00
## ENSG00000104892 7.606463e+00 -0.1658715946 0.64417919 -2.574929e-01
## ENSG00000104894 2.649910e+01 -1.0529004203 0.48025265 -2.192389e+00
## ENSG00000104897 5.744834e+02 -0.0465062656 0.13685211 -3.398286e-01
## ENSG00000104899 1.469670e+01 0.8508168111 0.55219517 1.540790e+00
## ENSG00000104901 3.821453e+00 -0.9617007147 0.91589892 -1.050007e+00
## ENSG00000104903 6.799477e+00 0.8811216026 0.78014285 1.129436e+00
## ENSG00000104904 1.019992e+04 0.1579605681 0.08544518 1.848677e+00
## ENSG00000104907 4.133076e+02 0.1746863979 0.22302684 7.832528e-01
## ENSG00000104915 5.685502e+02 -0.1666208390 0.13169655 -1.265188e+00
## ENSG00000104918 0.000000e+00 NA NA NA
## ENSG00000104921 0.000000e+00 NA NA NA
## ENSG00000104936 2.004518e+03 0.8715233537 0.17368853 5.017737e+00
## ENSG00000104938 1.561825e+00 1.0694515459 1.80625635 5.920818e-01
## ENSG00000104941 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000104946 1.247424e+03 0.1308695485 0.15248469 8.582471e-01
## ENSG00000104951 8.353161e+00 -1.1825056596 0.79681606 -1.484038e+00
## ENSG00000104953 1.198729e+01 0.5761525133 0.61856468 9.314345e-01
## ENSG00000104957 4.008610e+02 0.2583276931 0.11503813 2.245583e+00

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## ENSG00000104960 1.790489e+03 0.0154455683 0.11962646 1.291150e-01
## ENSG00000104964 5.695701e+03 0.4467654369 0.08923161 5.006807e+00
## ENSG00000104967 9.949227e+00 1.5903366929 0.92919925 1.711513e+00
## ENSG00000104969 1.020335e+03 0.0959238977 0.09871293 9.717460e-01
## ENSG00000104970 4.041440e+00 1.5008638007 1.42300069 1.054718e+00
## ENSG00000104972 0.000000e+00 NA NA NA
## ENSG00000104973 6.725397e+02 0.0430148564 0.11266729 3.817866e-01
## ENSG00000104974 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000104976 3.178607e+02 0.4436571176 0.20482148 2.166067e+00
## ENSG00000104979 9.683697e+02 -0.0025651449 0.16476915 -1.556811e-02
## ENSG00000104980 4.184528e+02 0.1489898473 0.12978883 1.147940e+00
## ENSG00000104983 1.057724e+02 0.0123407794 0.19923015 6.194233e-02
## ENSG00000104998 4.477578e+01 -0.3226172126 0.48046912 -6.714630e-01
## ENSG00000105011 1.360976e+01 0.1774298214 0.53407099 3.322214e-01
## ENSG00000105048 1.875219e+01 -0.2256812800 0.76154161 -2.963479e-01
## ENSG00000105053 4.718186e+02 0.0473729452 0.12037962 3.935296e-01
## ENSG00000105058 1.624031e+03 0.2385583136 0.09144375 2.608798e+00
## ENSG00000105063 1.626851e+03 0.1193380818 0.09807663 1.216784e+00
## ENSG00000105072 2.449376e+02 -0.0264642793 0.20712523 -1.277695e-01
## ENSG00000105085 1.634052e+02 -0.0478290394 0.16415238 -2.913698e-01
## ENSG00000105088 5.584858e+01 -1.1888439610 0.65927583 -1.803257e+00
## ENSG00000105122 1.461811e+00 0.3687949255 2.03210114 1.814845e-01
## ENSG00000105127 6.023704e+02 0.2524402950 0.14960007 1.687434e+00
## ENSG00000105131 1.145623e+00 -0.1506684209 1.81543298 -8.299311e-02
## ENSG00000105135 7.439872e+02 -0.1098724596 0.13711241 -8.013313e-01
## ENSG00000105136 2.310168e+02 -0.2153297609 0.22947981 -9.383386e-01
## ENSG00000105137 1.424026e+03 0.5020913882 0.10344747 4.853588e+00
## ENSG00000105141 4.755467e+00 -0.0449655563 0.80222348 -5.605116e-02
## ENSG00000105143 2.030585e+01 0.0562297883 0.37342865 1.505771e-01
## ENSG00000105146 3.874035e+01 0.2142057879 0.99432596 2.154281e-01
## ENSG00000105171 4.461985e+02 -0.0070471922 0.12271974 -5.742509e-02
## ENSG00000105173 5.321906e+01 -0.7042666203 0.30534068 -2.306495e+00
## ENSG00000105176 1.354227e+03 -0.0935952691 0.11751229 -7.964722e-01
## ENSG00000105185 7.060208e+02 0.2926014788 0.14902068 1.963496e+00
## ENSG00000105186 5.527534e+02 0.4857749983 0.11259965 4.314179e+00
## ENSG00000105193 8.179306e+03 0.0050418829 0.23018913 2.190322e-02
## ENSG00000105197 6.536054e+02 0.1120801465 0.13906368 8.059628e-01
## ENSG00000105198 0.000000e+00 NA NA NA
## ENSG00000105202 4.736035e+02 0.1324100054 0.13749826 9.629941e-01
## ENSG00000105204 2.133246e+02 -0.4221709691 0.14919717 -2.829618e+00
## ENSG00000105205 0.000000e+00 NA NA NA
## ENSG00000105219 4.220788e+00 -0.5862832679 1.00860638 -5.812805e-01
## ENSG00000105220 3.556957e+03 -0.0159282131 0.17297970 -9.208140e-02
## ENSG00000105221 2.818530e+03 -0.1969744150 0.08368917 -2.353643e+00
## ENSG00000105223 6.023423e+03 -0.1002972945 0.15477719 -6.480108e-01
## ENSG00000105227 2.140201e+02 -0.3726945508 0.22784243 -1.635756e+00
## ENSG00000105229 2.609161e+02 0.2076290928 0.23467295 8.847594e-01
## ENSG00000105245 2.498884e+03 -0.2154502704 0.20160078 -1.068698e+00
## ENSG00000105246 1.284406e+00 0.2089222963 1.83440260 1.138912e-01
## ENSG00000105248 1.796637e+02 0.0831973946 0.14974632 5.555889e-01
## ENSG00000105251 0.000000e+00 NA NA NA
## ENSG00000105254 9.107168e+02 0.2595469998 0.14327379 1.811546e+00
## ENSG00000105255 5.661838e+01 -0.1676951856 0.39333075 -4.263465e-01
## ENSG00000105258 2.218041e+02 -0.0152480503 0.15753456 -9.679178e-02

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## ENSG00000105261 0.000000e+00 NA NA NA
## ENSG00000105270 2.814880e+03 0.0774074057 0.15331560 5.048893e-01
## ENSG00000105278 4.517844e+00 -0.5866438443 1.25940418 -4.658106e-01
## ENSG00000105281 5.659788e+03 0.4257561878 0.08983216 4.739463e+00
## ENSG00000105287 4.578600e+02 -0.1074146266 0.23127658 -4.644423e-01
## ENSG00000105289 4.547651e+00 -0.5311113643 0.88442641 -6.005150e-01
## ENSG00000105290 8.947650e+01 -0.5793466273 0.28885040 -2.005698e+00
## ENSG00000105298 5.330722e+02 0.1456594500 0.10763740 1.353242e+00
## ENSG00000105321 3.632045e+02 0.0840230991 0.16989930 4.945465e-01
## ENSG00000105323 5.255229e+03 -0.0501689868 0.07916728 -6.337086e-01
## ENSG00000105325 7.773460e+02 -0.1119529670 0.14031978 -7.978416e-01
## ENSG00000105327 3.053759e+02 -0.7432572355 0.23305252 -3.189226e+00
## ENSG00000105329 1.878965e+03 -0.2779664520 0.17782919 -1.563109e+00
## ENSG00000105339 5.574098e+02 0.4582907149 0.15193886 3.016284e+00
## ENSG00000105341 5.841627e+02 0.1327059812 0.11809825 1.123691e+00
## ENSG00000105352 0.000000e+00 NA NA NA
## ENSG00000105355 2.801842e+03 0.0902832554 0.15677632 5.758730e-01
## ENSG00000105357 2.774649e+00 -0.3497400112 1.02199073 -3.422145e-01
## ENSG00000105364 5.662547e+02 0.3157100887 0.14420127 2.189371e+00
## ENSG00000105366 6.220103e+00 -0.0543858644 0.67711634 -8.031982e-02
## ENSG00000105369 5.136935e+00 -0.1532988650 0.78509960 -1.952604e-01
## ENSG00000105370 0.000000e+00 NA NA NA
## ENSG00000105371 3.510399e+01 0.1798135128 0.31005305 5.799443e-01
## ENSG00000105372 1.562046e+04 0.0383236849 0.22546913 1.699731e-01
## ENSG00000105373 3.713241e+03 -0.0257303889 0.15712516 -1.637573e-01
## ENSG00000105374 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000105376 7.332703e+01 0.4658878690 0.47320825 9.845303e-01
## ENSG00000105379 6.847521e+02 -0.0434772657 0.15787580 -2.753891e-01
## ENSG00000105383 1.016442e+00 -0.2798150811 1.88604841 -1.483605e-01
## ENSG00000105388 1.869366e+00 -0.3719354843 1.36260678 -2.729588e-01
## ENSG00000105392 1.476295e+01 -0.5194754648 0.53685795 -9.676218e-01
## ENSG00000105393 1.014110e+03 0.0557957941 0.13055847 4.273625e-01
## ENSG00000105397 1.067413e+03 0.0782972404 0.15043973 5.204559e-01
## ENSG00000105398 3.962368e+00 -0.5048781762 0.80988390 -6.233957e-01
## ENSG00000105401 2.492083e+03 0.0902282903 0.10823590 8.336262e-01
## ENSG00000105402 1.977679e+03 0.3648165088 0.09965642 3.660743e+00
## ENSG00000105404 1.803746e+03 0.3447640349 0.14095795 2.445864e+00
## ENSG00000105409 4.518058e+00 -1.5175023706 0.87796384 -1.728434e+00
## ENSG00000105419 9.304893e+02 0.6473630408 0.14699549 4.403965e+00
## ENSG00000105426 3.727038e+03 0.5135132557 0.25894177 1.983122e+00
## ENSG00000105427 9.180968e-01 -0.8108463414 1.89029534 -4.289522e-01
## ENSG00000105428 0.000000e+00 NA NA NA
## ENSG00000105429 4.099997e+03 0.0547186811 0.09749028 5.612732e-01
## ENSG00000105438 3.057535e+03 0.0160788353 0.11417123 1.408309e-01
## ENSG00000105443 9.961590e+02 -0.0444186933 0.17301215 -2.567374e-01
## ENSG00000105447 4.072983e+02 0.2109817606 0.19276331 1.094512e+00
## ENSG00000105464 1.283168e+01 -0.0142636254 0.60981179 -2.339021e-02
## ENSG00000105467 0.000000e+00 NA NA NA
## ENSG00000105472 8.127189e+02 0.0335009564 0.19298533 1.735933e-01
## ENSG00000105479 6.108684e+00 -1.6532231373 0.91184155 -1.813060e+00
## ENSG00000105483 4.276752e+02 -0.2304882227 0.19911011 -1.157592e+00
## ENSG00000105486 1.695266e+02 -1.1154561536 0.27091873 -4.117309e+00
## ENSG00000105492 0.000000e+00 NA NA NA
## ENSG00000105497 2.605125e+02 -0.1530153833 0.13890331 -1.101596e+00

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## ENSG00000105499 1.559262e+02 -0.9407005058 0.40900749 -2.299959e+00
## ENSG00000105501 3.178114e-01 1.7508468609 3.51408558 4.982368e-01
## ENSG00000105507 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000105509 1.661591e+00 -1.5036902318 1.76286935 -8.529788e-01
## ENSG00000105514 2.963231e+02 0.4537350314 0.22109870 2.052183e+00
## ENSG00000105516 1.035550e+02 -1.6331949386 0.20516392 -7.960439e+00
## ENSG00000105518 4.379717e+02 0.1141391151 0.12768454 8.939150e-01
## ENSG00000105519 2.047540e+02 0.1193977510 0.26504078 4.504882e-01
## ENSG00000105520 9.495794e+02 -0.0712782134 0.15022267 -4.744837e-01
## ENSG00000105523 2.151517e+00 1.7867153496 1.61889278 1.103665e+00
## ENSG00000105538 5.833567e+01 0.3196441214 0.57882874 5.522257e-01
## ENSG00000105549 0.000000e+00 NA NA NA
## ENSG00000105550 0.000000e+00 NA NA NA
## ENSG00000105552 5.017653e+02 0.7448628064 0.17820311 4.179853e+00
## ENSG00000105556 3.177710e+02 -0.0665364484 0.21306534 -3.122819e-01
## ENSG00000105559 1.221239e+03 -0.5312849798 0.22612529 -2.349516e+00
## ENSG00000105568 6.180703e+03 0.1678474500 0.06695981 2.506689e+00
## ENSG00000105576 2.568182e+03 0.0730462509 0.14592725 5.005662e-01
## ENSG00000105583 1.127983e+03 -0.0070921501 0.12049825 -5.885687e-02
## ENSG00000105605 5.047827e+01 -0.1073531553 0.68692365 -1.562811e-01
## ENSG00000105607 1.913004e+02 0.4262954675 0.16758435 2.543767e+00
## ENSG00000105609 2.332461e+00 -0.2464142541 1.19049804 -2.069842e-01
## ENSG00000105610 0.000000e+00 NA NA NA
## ENSG00000105612 1.002414e+03 0.0928565568 0.12919828 7.187135e-01
## ENSG00000105613 8.183551e+00 -0.0333087127 0.59353786 -5.611894e-02
## ENSG00000105617 2.403951e+00 0.1803926543 1.64584004 1.096052e-01
## ENSG00000105618 3.873099e+02 -0.0077789125 0.14508028 -5.361799e-02
## ENSG00000105619 4.204137e+01 0.1740301286 0.35698712 4.874969e-01
## ENSG00000105639 7.833081e+01 0.1253335235 0.37658110 3.328195e-01
## ENSG00000105640 1.233435e+04 0.0285932474 0.23402407 1.221808e-01
## ENSG00000105641 4.802481e+00 0.3558678286 0.76609052 4.645245e-01
## ENSG00000105642 3.729496e+00 -0.1520909995 0.84008471 -1.810425e-01
## ENSG00000105643 3.181819e+02 0.7156336008 0.14001310 5.111190e+00
## ENSG00000105647 2.081408e+03 -0.4292071415 0.16433393 -2.611799e+00
## ENSG00000105649 3.807412e+01 -0.3628219613 0.32010205 -1.133457e+00
## ENSG00000105650 6.663128e+01 -0.9939086809 0.54344047 -1.828919e+00
## ENSG00000105655 1.236893e+02 -0.5963286465 0.32013328 -1.862751e+00
## ENSG00000105656 3.945234e+02 0.3999048171 0.14761991 2.709017e+00
## ENSG00000105662 7.332071e+02 -0.0636648160 0.12211125 -5.213673e-01
## ENSG00000105664 7.748941e+00 0.6242451321 0.82189079 7.595232e-01
## ENSG00000105668 1.967585e+01 -0.0827601107 0.57814971 -1.431465e-01
## ENSG00000105669 1.529445e+03 0.0318268515 0.10655305 2.986949e-01
## ENSG00000105671 4.467047e+02 0.0852065655 0.20617431 4.132744e-01
## ENSG00000105672 1.323380e+01 0.3479486918 0.49097511 7.086891e-01
## ENSG00000105675 2.212567e-01 1.5394092681 3.52295593 4.369652e-01
## ENSG00000105676 3.589317e+02 -0.0620756101 0.15177357 -4.090014e-01
## ENSG00000105677 8.778477e+02 0.0708288229 0.09515575 7.443462e-01
## ENSG00000105679 4.493344e+01 0.6329256402 0.29539105 2.142670e+00
## ENSG00000105694 0.000000e+00 NA NA NA
## ENSG00000105695 0.000000e+00 NA NA NA
## ENSG00000105696 7.874574e+01 0.2625926201 0.30387108 8.641580e-01
## ENSG00000105697 4.693037e+00 -0.4176636155 0.93968115 -4.444738e-01
## ENSG00000105698 1.207419e+03 0.0802895280 0.14375895 5.585011e-01
## ENSG00000105699 2.110481e+01 -0.0361842218 0.38852544 -9.313218e-02

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## ENSG00000105700 1.407694e+03    0.1000714687  0.09794767  1.021683e+00
## ENSG00000105701 5.547523e+03    0.0912156734  0.06528931  1.397100e+00
## ENSG00000105705 5.002096e+02    -0.0341231658  0.13568124  -2.514951e-01
## ENSG00000105707 5.368829e+00    0.7084749191  0.74613301  9.495290e-01
## ENSG00000105708 9.137069e+01    -0.2320470431  0.22976264  -1.009942e+00
## ENSG00000105711 1.122598e+02    -1.3898119647  0.24246231  -5.732074e+00
## ENSG00000105717 1.293044e+01    -0.1954024948  0.49817097  -3.922398e-01
## ENSG00000105722 5.895877e+02    0.0521074853  0.20831290  2.501405e-01
## ENSG00000105723 9.119517e+02    0.1163825562  0.12605621  9.232592e-01
## ENSG00000105726 8.978990e+02    0.3329361254  0.14976524  2.223053e+00
## ENSG00000105732 2.629556e+02    -0.2275692985  0.17296578  -1.315690e+00
## ENSG00000105737 1.482938e+02    -0.4742615457  0.28237166  -1.679565e+00
## ENSG00000105738 2.929311e+02    -0.1713766951  0.33555835  -5.107210e-01
## ENSG00000105750 2.074068e+01    -1.4662651118  0.47120568  -3.111731e+00
## ENSG00000105755 7.674269e+02    -0.4528164895  0.23284144  -1.944742e+00
## ENSG00000105767 4.348505e+01    -0.3502588483  0.46049329  -7.606166e-01
## ENSG00000105771 6.091834e+02    -0.3644193089  0.12363820  -2.947465e+00
## ENSG00000105778 8.342986e+02    0.1396950503  0.12603983  1.108341e+00
## ENSG00000105784 5.881388e+01    -0.7329074093  0.36758163  -1.993863e+00
## ENSG00000105792 3.008683e+02    0.7582020537  0.26651285  2.844899e+00
## ENSG00000105793 3.691093e+02    -0.0223912099  0.16337736  -1.370521e-01
## ENSG00000105808 5.101930e+02    0.0607689902  0.38292163  1.586982e-01
## ENSG00000105810 1.450901e+03    -0.6669707618  0.22704331  -2.937637e+00
## ENSG00000105819 9.683964e+02    0.1122798351  0.12365525  9.080070e-01
## ENSG00000105821 4.505065e+02    0.1822755739  0.13201449  1.380724e+00
## ENSG00000105825 4.036239e+02    -0.1726533531  1.31491827  -1.313035e-01
## ENSG00000105829 4.424314e+02    -0.0185753115  0.22824488  -8.138326e-02
## ENSG00000105835 2.566881e+03    0.9820534969  0.14191810  6.919861e+00
## ENSG00000105849 3.201064e+02    0.1417912168  0.15892242  8.922040e-01
## ENSG00000105851 3.441384e-01   -0.5086481446  3.35219545  -1.517358e-01
## ENSG00000105852 3.673419e-01   2.1044898088  3.49377278  6.023545e-01
## ENSG00000105854 1.221476e+03    0.0602583984  0.16621504  3.625328e-01
## ENSG00000105855 1.880379e+03    -0.4997029608  0.14193385  -3.520675e+00
## ENSG00000105856 2.270194e+03    -0.0242585972  0.13688462  -1.772193e-01
## ENSG00000105865 7.156012e+01    -0.1971205595  0.24977445  -7.891942e-01
## ENSG00000105866 1.401384e+02    -0.0149906434  0.28826388  -5.200320e-02
## ENSG00000105875 3.404819e+02    -0.0610622453  0.33015545  -1.849500e-01
## ENSG00000105877 2.851032e+01    0.0363216213  0.34140168  1.063897e-01
## ENSG00000105879 4.567333e+02    0.0876524904  0.15584214  5.624441e-01
## ENSG00000105880 3.844803e+00    -0.0713854249  1.19664357  -5.965471e-02
## ENSG00000105887 4.598027e+03    0.1215112893  0.13175402  9.222587e-01
## ENSG00000105889 1.319219e+02    0.7961836826  0.42661328  1.866289e+00
## ENSG00000105894 5.738092e+03    -0.6244973031  0.28574111  -2.185535e+00
## ENSG00000105926 2.600814e+02    -0.3109269611  0.19396500  -1.603006e+00
## ENSG00000105928 8.407331e+02    0.0698771529  0.15103889  4.626434e-01
## ENSG00000105929 2.380645e-01   0.1733657147  3.53381154  4.905913e-02
## ENSG00000105939 1.531684e+03    0.1642339888  0.12210084  1.345068e+00
## ENSG00000105948 1.927256e+02    0.2180727547  0.21656526  1.006961e+00
## ENSG00000105953 1.136798e+03    -0.0452607554  0.12279453  -3.685894e-01
## ENSG00000105954 4.546011e-01   -1.1728610290  2.56068226  -4.580268e-01
## ENSG00000105963 2.952068e+01    2.1315966532  0.63925862  3.334482e+00
## ENSG00000105967 4.036722e+00    -0.1861736023  1.40368550  -1.326320e-01
## ENSG00000105968 1.399356e+03    -0.0443390580  0.13194557  -3.360405e-01
## ENSG00000105971 1.495866e+03    0.5978365299  0.16150676  3.701619e+00

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## ENSG00000105974 1.232110e+04    0.6045646221 0.17638904  3.427450e+00
## ENSG00000105976 9.061217e+02    0.5817152493 0.26146350  2.224843e+00
## ENSG00000105982 3.910427e+01    -0.2621744129 0.34443884 -7.611639e-01
## ENSG00000105983 7.817765e+02    -0.1201269310 0.16311112 -7.364730e-01
## ENSG00000105988 0.000000e+00      NA          NA          NA
## ENSG00000105989 3.174542e+02    -2.9841082232 0.86853465 -3.435796e+00
## ENSG00000105991 2.646839e+01    0.2001493170 0.36796425  5.439369e-01
## ENSG00000105993 2.166546e+03    0.2780400965 0.12989989  2.140418e+00
## ENSG00000105996 6.027916e+01    -0.7772833933 0.26399855 -2.944271e+00
## ENSG00000105997 1.829549e+02    -0.6144356717 0.31960523 -1.922483e+00
## ENSG00000106003 1.676158e+01    -2.5617363448 0.65431920 -3.915117e+00
## ENSG00000106004 1.423982e+02    -0.0929297549 0.28846859 -3.221486e-01
## ENSG00000106006 4.968533e-01   -1.1738217421 2.51087001 -4.674960e-01
## ENSG00000106009 4.507169e+02    -0.1115099223 0.17388278 -6.412936e-01
## ENSG00000106012 7.849925e+02    -0.2027405288 0.14646893 -1.384188e+00
## ENSG00000106013 7.681641e+00    -0.1653858818 0.66333610 -2.493244e-01
## ENSG00000106018 8.354796e+00    1.4115509904 0.64713891  2.181218e+00
## ENSG00000106025 2.898527e+01    0.0412247811 0.39592573  1.041225e-01
## ENSG00000106028 5.125180e+02    0.0027446455 0.12004350  2.286376e-02
## ENSG00000106031 2.380645e-01   0.1733657147 3.53381154  4.905913e-02
## ENSG00000106034 2.430011e+03    1.0989822311 0.32661847  3.364728e+00
## ENSG00000106038 0.000000e+00      NA          NA          NA
## ENSG00000106049 1.388952e+03    -0.1952629662 0.16519724 -1.181999e+00
## ENSG00000106052 3.453529e+03    0.0093878496 0.09411849  9.974501e-02
## ENSG00000106066 2.103222e+00    -0.6939497169 1.37135862 -5.060308e-01
## ENSG00000106069 1.251098e+01    -0.4469150768 0.59178525 -7.551981e-01
## ENSG00000106070 7.307351e+02    0.4027814936 0.23235468  1.733477e+00
## ENSG00000106077 8.421576e+01    -0.3908389723 0.25198694 -1.551029e+00
## ENSG00000106078 1.600072e+00    -0.0412996613 1.35447229 -3.049133e-02
## ENSG00000106080 1.142144e+03    -0.1653756662 0.14421191 -1.146755e+00
## ENSG00000106086 4.751376e+02    0.7101333435 0.18051465  3.933937e+00
## ENSG00000106089 1.716797e+02    -0.0648736482 0.24758826 -2.620223e-01
## ENSG00000106100 2.505206e+02    0.0602153025 0.18787274  3.205111e-01
## ENSG00000106105 2.909446e+03    -0.2748823365 0.09496047 -2.894703e+00
## ENSG00000106113 1.970979e+00   1.1840499201 1.56818929  7.550427e-01
## ENSG00000106123 9.252175e+02    1.4996064942 0.41067637  3.651553e+00
## ENSG00000106125 1.638272e+02    0.1353105778 0.20320087  6.658957e-01
## ENSG00000106128 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000106133 1.639924e+02    -0.1885753379 0.22408707 -8.415271e-01
## ENSG00000106144 3.927791e+02    -0.0688304783 0.22022216 -3.125502e-01
## ENSG00000106153 1.999458e+03    0.0585679302 0.11451003  5.114655e-01
## ENSG00000106178 1.140952e+00   0.6244212047 1.80755084  3.454515e-01
## ENSG00000106211 8.538630e+03    0.5018251322 0.11788143  4.257033e+00
## ENSG00000106236 2.181104e+00   1.6152181686 1.99578727  8.093138e-01
## ENSG00000106244 1.944152e+03    -0.0354626065 0.11932156 -2.972020e-01
## ENSG00000106245 8.119595e+02    0.0504593024 0.09262020  5.447980e-01
## ENSG00000106246 1.747965e+02    -0.0977276604 0.19571241 -4.993432e-01
## ENSG00000106258 8.324583e+01    -0.0424369587 0.23668880 -1.792943e-01
## ENSG00000106261 2.999529e+03    -0.3360810540 0.15257536 -2.202722e+00
## ENSG00000106263 2.665575e+03    0.1546192309 0.11994749  1.289058e+00
## ENSG00000106266 8.830076e+02    -0.0961188751 0.17964323 -5.350543e-01
## ENSG00000106268 1.786867e+02    0.1991932033 0.14992359  1.328632e+00
## ENSG00000106278 3.708656e+00    0.7057623742 1.97216372  3.578620e-01
## ENSG00000106290 1.160141e+03    0.0065156520 0.08965700  7.267310e-02

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## ENSG00000106299 1.447593e+03 0.3746691104 0.15231162 2.459885e+00
## ENSG00000106302 2.956813e+00 1.1155552546 1.02505670 1.088286e+00
## ENSG00000106304 0.000000e+00 NA NA NA
## ENSG00000106305 2.220109e+02 0.2462315898 0.14006818 1.757941e+00
## ENSG00000106327 8.964867e+00 -0.0586701222 0.60509363 -9.696040e-02
## ENSG00000106328 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000106330 3.047885e+02 -0.1895579175 0.13730682 -1.380543e+00
## ENSG00000106331 0.000000e+00 NA NA NA
## ENSG00000106333 8.928539e+03 -0.6434247896 0.14256398 -4.513235e+00
## ENSG00000106336 2.388990e+01 -0.5348946164 0.38193328 -1.400492e+00
## ENSG00000106341 0.000000e+00 NA NA NA
## ENSG00000106344 5.371581e+02 0.2716976205 0.21174825 1.283116e+00
## ENSG00000106346 2.408404e+02 -0.1711500297 0.17381208 -9.846843e-01
## ENSG00000106348 8.508627e+02 0.4221103085 0.17629673 2.394317e+00
## ENSG00000106351 1.535374e+02 -0.0173919884 0.25925637 -6.708413e-02
## ENSG00000106355 3.102236e+02 0.2431635410 0.13748607 1.768641e+00
## ENSG00000106366 6.510392e+03 0.7500977856 0.31883147 2.352647e+00
## ENSG00000106367 9.155949e+02 0.0071770052 0.09024646 7.952672e-02
## ENSG00000106384 7.516163e+00 -0.9485931424 0.79203822 -1.197661e+00
## ENSG00000106392 5.912041e+02 -0.1069061760 0.17917792 -5.966482e-01
## ENSG00000106397 1.794959e+03 0.3265005575 0.11277136 2.895243e+00
## ENSG00000106399 1.138734e+02 -0.0650635425 0.26327657 -2.471300e-01
## ENSG00000106400 8.204072e+02 0.1126935612 0.14875557 7.575754e-01
## ENSG00000106404 1.753591e+02 0.1298917700 0.26707891 4.863423e-01
## ENSG00000106410 0.000000e+00 NA NA NA
## ENSG00000106415 2.339814e+02 0.4462689426 0.26207113 1.702854e+00
## ENSG00000106436 8.013761e-01 -0.2739144872 1.75801666 -1.558088e-01
## ENSG00000106443 6.135475e+02 -0.2814413999 0.12182137 -2.310279e+00
## ENSG00000106459 2.392836e+02 -0.1781485495 0.20283601 -8.782886e-01
## ENSG00000106460 1.611659e+03 -0.0781585692 0.14377805 -5.436057e-01
## ENSG00000106462 1.019301e+02 -0.8275229079 0.26211194 -3.157135e+00
## ENSG00000106477 2.058263e+02 -0.4655680627 0.19036678 -2.445637e+00
## ENSG00000106479 7.479884e+02 -0.0449176050 0.16750077 -2.681636e-01
## ENSG00000106483 4.697249e+02 -0.8512557335 1.12859100 -7.542642e-01
## ENSG00000106484 9.411320e+02 -1.9751472817 0.39217158 -5.036437e+00
## ENSG00000106511 9.313616e+00 1.0859871152 0.74102007 1.465530e+00
## ENSG00000106524 3.457272e+02 -0.7299866903 0.13318752 -5.480894e+00
## ENSG00000106526 8.115689e+00 -0.0754228771 0.80065789 -9.420113e-02
## ENSG00000106536 9.401778e-01 0.1709617199 1.68094279 1.017059e-01
## ENSG00000106537 1.943349e+01 -0.4519269942 0.60287462 -7.496202e-01
## ENSG00000106538 2.380507e+03 -0.3797822665 0.34156813 -1.111879e+00
## ENSG00000106540 6.929657e-01 -0.3058944888 2.96453907 -1.031845e-01
## ENSG00000106541 0.000000e+00 NA NA NA
## ENSG00000106546 1.830063e+03 -0.2783318506 0.27478092 -1.012923e+00
## ENSG00000106554 7.327249e+02 0.0247581864 0.11854550 2.088497e-01
## ENSG00000106560 1.057934e+01 0.3096650975 0.54699843 5.661170e-01
## ENSG00000106565 8.675295e+02 0.3413239999 1.44906463 2.355478e-01
## ENSG00000106571 8.156186e+02 -0.3970068223 0.13605520 -2.917983e+00
## ENSG00000106588 9.291315e+02 0.0802439047 0.19557668 4.102938e-01
## ENSG00000106591 5.773223e+02 0.2389990161 0.12570934 1.901203e+00
## ENSG00000106603 4.186465e+02 -0.2352497018 0.14623106 -1.608753e+00
## ENSG00000106605 4.808046e+02 0.1061061891 0.16525616 6.420710e-01
## ENSG00000106608 6.377824e+02 0.0204388600 0.11130811 1.836242e-01
## ENSG00000106609 3.036875e+03 0.1589696162 0.09716888 1.636014e+00

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## ENSG00000106610 8.555443e+01 -0.3291473060 0.30666414 -1.073315e+00
## ENSG00000106615 2.235489e+03 0.9991939240 0.14904843 6.703820e+00
## ENSG00000106617 1.034830e+03 1.5676571593 0.29178857 5.372579e+00
## ENSG00000106624 1.190389e+04 -0.1018283439 0.24354331 -4.181118e-01
## ENSG00000106628 9.889255e+02 -0.1026775538 0.16859847 -6.090064e-01
## ENSG00000106631 4.093775e-01 -1.0128167315 3.49346056 -2.899179e-01
## ENSG00000106633 2.942166e+01 -0.2825487577 0.36784472 -7.681196e-01
## ENSG00000106635 6.428134e+02 0.1606916080 0.12433745 1.292383e+00
## ENSG00000106636 2.114720e+03 0.0339623506 0.09646438 3.520714e-01
## ENSG00000106638 6.746625e+02 -0.0022452617 0.10237907 -2.193087e-02
## ENSG00000106648 0.000000e+00 NA NA NA
## ENSG00000106665 1.953235e+03 -0.1851886098 0.18348548 -1.009282e+00
## ENSG00000106682 6.154803e+03 0.0435329677 0.08831725 4.929158e-01
## ENSG00000106683 1.215642e+03 -0.2828206062 0.18680431 -1.513994e+00
## ENSG00000106686 1.431805e+01 -0.2501614165 0.45452058 -5.503852e-01
## ENSG00000106688 6.221558e+02 0.5213265109 0.44792627 1.163867e+00
## ENSG00000106689 0.000000e+00 NA NA NA
## ENSG00000106692 1.172964e+03 -0.1459785313 0.17536490 -8.324273e-01
## ENSG00000106701 1.304328e+02 0.2406336593 0.21090177 1.140975e+00
## ENSG00000106714 1.822010e+01 -0.2592941321 0.50486435 -5.135917e-01
## ENSG00000106723 1.935610e+03 -0.2996847217 0.13625311 -2.199471e+00
## ENSG00000106733 2.458976e+02 0.1471190221 0.20477412 7.184454e-01
## ENSG00000106771 2.269743e+03 0.1781791986 0.11475034 1.552755e+00
## ENSG00000106772 5.611351e+03 0.7211312012 0.18138814 3.975625e+00
## ENSG00000106780 1.366649e+03 0.3251171289 0.12058683 2.696125e+00
## ENSG00000106785 2.141815e+02 -0.4999153084 0.23801104 -2.100387e+00
## ENSG00000106789 1.456499e+01 -0.1797887979 0.50954861 -3.528393e-01
## ENSG00000106799 3.584861e+03 -0.0259197085 0.27311683 -9.490337e-02
## ENSG00000106803 8.232775e+02 0.1126138842 0.14424399 7.807181e-01
## ENSG00000106804 2.440552e+02 0.0082172496 0.28443808 2.888941e-02
## ENSG00000106809 2.597170e+03 -0.9041891202 0.71798300 -1.259346e+00
## ENSG00000106819 2.120036e+03 0.4098117156 0.65766690 6.231296e-01
## ENSG00000106823 9.271533e+02 -0.3062328854 0.42265241 -7.245502e-01
## ENSG00000106829 8.364195e+02 -0.2477509312 0.16966413 -1.460243e+00
## ENSG00000106852 0.000000e+00 NA NA NA
## ENSG00000106853 1.407672e+03 -0.0693703385 0.26647314 -2.603277e-01
## ENSG00000106868 5.050752e+02 0.2031783087 0.16415529 1.237720e+00
## ENSG00000106927 5.892609e+00 0.1047373689 0.67896803 1.542596e-01
## ENSG00000106948 5.474792e+02 -0.9103753671 0.22348370 -4.073565e+00
## ENSG00000106952 1.962848e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000106976 9.890468e+02 -1.8501714162 0.14780260 -1.251785e+01
## ENSG00000106991 3.376036e+03 -0.3915218486 0.12403169 -3.156627e+00
## ENSG00000106992 1.240477e+03 -0.2974273293 0.14851328 -2.002699e+00
## ENSG00000106993 4.063912e+02 0.5607556859 0.19027774 2.947038e+00
## ENSG00000107014 0.000000e+00 NA NA NA
## ENSG00000107018 0.000000e+00 NA NA NA
## ENSG00000107020 2.046435e+02 0.0859382835 0.17136552 5.014911e-01
## ENSG00000107021 9.964099e+02 -0.0625822477 0.13042435 -4.798356e-01
## ENSG00000107036 1.643091e+03 0.0370148917 0.14159049 2.614222e-01
## ENSG00000107077 3.904702e+02 -0.2440463040 0.18541256 -1.316234e+00
## ENSG00000107099 2.318796e+01 0.1755725355 0.51238728 3.426559e-01
## ENSG00000107104 1.303148e+03 1.2317256827 0.27063971 4.551164e+00
## ENSG00000107105 4.240587e+00 -0.6342022518 0.95944208 -6.610115e-01
## ENSG00000107130 1.093962e+03 -0.5066722553 0.15470918 -3.274998e+00

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## ENSG00000107140 7.125329e+02    0.2351004417 0.19139141  1.228375e+00
## ENSG00000107147 2.228534e+00    0.8187270931 1.34291884  6.096624e-01
## ENSG00000107159 2.950855e+01    -0.1268520701 0.63129101 -2.009407e-01
## ENSG00000107164 1.176836e+03    -0.0468525650 0.11912834 -3.932949e-01
## ENSG00000107165 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000107175 9.505651e+02    -0.0311478145 0.08518833 -3.656347e-01
## ENSG00000107185 1.312158e+03    -0.0189309233 0.11925322 -1.587456e-01
## ENSG00000107186 1.725346e+03    -0.1417867744 0.21207461 -6.685702e-01
## ENSG00000107187 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000107201 3.423017e+02    -0.1012293140 0.17498868 -5.784906e-01
## ENSG00000107223 2.410696e+03    -0.0452991584 0.09668252 -4.685352e-01
## ENSG00000107242 9.211343e-01    1.5392866831 1.98591117  7.751035e-01
## ENSG00000107249 7.472771e+02    0.3311551861 0.15538348  2.131212e+00
## ENSG00000107262 6.068530e+02    0.0697068635 0.16631133  4.191348e-01
## ENSG00000107263 1.863597e+03    0.3038246766 0.13531149  2.245372e+00
## ENSG00000107281 8.222000e+02    0.1451174897 0.19441246  7.464413e-01
## ENSG00000107282 3.658516e+02    -0.1217917494 0.19141393 -6.362742e-01
## ENSG00000107290 3.113044e+03    0.0874282436 0.08647637  1.011007e+00
## ENSG00000107295 6.029271e-01    -1.5514181783 2.06236776 -7.522510e-01
## ENSG00000107317 4.698216e+03    -0.2253114605 0.28518931 -7.900417e-01
## ENSG00000107331 1.351186e+03    -0.1264306835 0.23566791 -5.364781e-01
## ENSG00000107338 3.463173e+02    -0.9308972312 0.14515570 -6.413095e+00
## ENSG00000107341 1.689234e+03    0.0454549523 0.11565479  3.930226e-01
## ENSG00000107362 1.919803e+02    0.4849717709 0.16462764  2.945871e+00
## ENSG00000107371 2.206514e+02    0.1451881134 0.17312505  8.386315e-01
## ENSG00000107372 5.274521e+03    0.7418647105 0.26495296  2.799986e+00
## ENSG00000107404 1.050388e+03    0.1166688342 0.14746301  7.911735e-01
## ENSG00000107438 2.895016e+03    0.7484891013 0.21397698  3.497989e+00
## ENSG00000107443 1.221581e+02    -0.0688274928 0.19219859 -3.581061e-01
## ENSG00000107447 0.000000e+00    NA          NA          NA
## ENSG00000107485 1.117921e+00    2.0220785677 2.59515380  7.791748e-01
## ENSG00000107518 1.938897e+01    0.0857776966 0.51439073  1.667559e-01
## ENSG00000107521 1.945757e+03    0.0577580378 0.08051177  7.173863e-01
## ENSG00000107537 7.299594e+02    0.0445536971 0.11859847  3.756684e-01
## ENSG00000107551 6.275772e+02    -0.1755086108 0.36450100 -4.815038e-01
## ENSG00000107554 9.348393e+02    -0.1418773167 0.12127238 -1.169906e+00
## ENSG00000107560 7.011303e+02    -0.1067240478 0.12009082 -8.886945e-01
## ENSG00000107562 2.782665e+04    -1.8834209091 0.28113408 -6.699369e+00
## ENSG00000107566 1.672796e+03    -0.0913905252 0.06859932 -1.332237e+00
## ENSG00000107581 8.999480e+03    0.1914180838 0.09813056  1.950647e+00
## ENSG00000107593 3.757619e-01    1.0649639057 3.51183976  3.032496e-01
## ENSG00000107611 4.769074e+01    -1.6257207726 0.43681830 -3.721732e+00
## ENSG00000107614 1.143938e+02    -0.4275972862 0.25990866 -1.645183e+00
## ENSG00000107625 9.026509e+02    -0.0494133604 0.09738748 -5.073893e-01
## ENSG00000107643 4.989679e+02    -0.0564789573 0.13815738 -4.088016e-01
## ENSG00000107651 1.293218e+03    0.1317785389 0.21111245  6.242102e-01
## ENSG00000107669 5.959675e+02    -0.1532527120 0.22087718 -6.938368e-01
## ENSG00000107672 1.891977e+02    0.3603202930 0.19656713  1.833065e+00
## ENSG00000107679 6.986590e+02    0.3689602181 0.14591741  2.528555e+00
## ENSG00000107719 2.469468e+01    0.4870900461 0.67494759  7.216709e-01
## ENSG00000107731 5.649873e+02    -0.9990025881 0.26425502 -3.780449e+00
## ENSG00000107736 9.942251e+00    -0.0033650389 0.68843861 -4.887929e-03
## ENSG00000107738 4.761629e+03    0.3260592696 0.28965415  1.125685e+00
## ENSG00000107742 7.422324e+00    -0.5962356029 0.58100222 -1.026219e+00

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## ENSG00000107745 1.648021e+03 -0.0573122677 0.09700087 -5.908428e-01
## ENSG00000107758 1.596476e+03 0.1204582637 0.10758446 1.119662e+00
## ENSG00000107771 1.225446e+03 -0.1528673782 0.09481270 -1.612309e+00
## ENSG00000107779 1.025644e+03 0.0476061666 0.20696643 2.300188e-01
## ENSG00000107789 6.020969e+02 0.2055736582 0.12493402 1.645458e+00
## ENSG00000107796 5.782985e+03 1.1005809931 0.27972448 3.934518e+00
## ENSG00000107798 1.289582e+03 0.1395557299 0.17629222 7.916159e-01
## ENSG00000107807 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000107815 1.274415e+02 0.1721192797 0.25847692 6.658981e-01
## ENSG00000107816 3.002253e+03 0.1850045015 0.17699483 1.045254e+00
## ENSG00000107819 2.031417e+03 0.2078201172 0.21758188 9.551352e-01
## ENSG00000107821 4.771270e+02 -1.1090611721 0.31439682 -3.527584e+00
## ENSG00000107829 5.084275e+02 0.2291895957 0.17801626 1.287464e+00
## ENSG00000107831 8.287592e-01 0.2921763938 2.03149259 1.438235e-01
## ENSG00000107833 2.234272e+02 -0.2833733908 0.24227882 -1.169617e+00
## ENSG00000107854 2.351875e+03 -0.2462354538 0.13365392 -1.842336e+00
## ENSG00000107859 2.421117e+00 0.7345464716 1.07533335 6.830872e-01
## ENSG00000107862 2.525721e+03 -0.0938600708 0.08315679 -1.128712e+00
## ENSG00000107863 5.137759e+03 0.0363605996 0.09469845 3.839619e-01
## ENSG00000107864 4.333846e+01 0.0328069918 0.38186958 8.591151e-02
## ENSG00000107872 1.332364e+02 0.2036888845 0.24738225 8.233771e-01
## ENSG00000107874 8.669328e+02 0.0401290228 0.13033312 3.078958e-01
## ENSG00000107882 7.465474e+02 -0.4884256752 0.10784474 -4.528971e+00
## ENSG00000107890 3.028478e+02 -0.3470958536 0.20192652 -1.718922e+00
## ENSG00000107897 7.105179e+02 -0.0595502142 0.10877003 -5.474873e-01
## ENSG00000107902 2.327076e+02 -0.2902863107 0.23038330 -1.260015e+00
## ENSG00000107929 1.275283e+03 0.5837005248 0.17771925 3.284397e+00
## ENSG00000107937 8.310624e+02 0.5004197699 0.19052693 2.626504e+00
## ENSG00000107938 3.692215e+02 0.1204497433 0.16536847 7.283719e-01
## ENSG00000107949 4.803589e+02 0.1675696451 0.12347357 1.357130e+00
## ENSG00000107951 2.789629e+02 0.2495380839 0.18429875 1.353987e+00
## ENSG00000107954 1.140640e+01 0.4506617756 0.76998582 5.852858e-01
## ENSG00000107957 8.741420e+03 0.2124570736 0.12331659 1.722859e+00
## ENSG00000107959 1.672169e+03 0.1501307171 0.14265424 1.052410e+00
## ENSG00000107960 2.607724e+02 -0.0958216781 0.18602059 -5.151133e-01
## ENSG00000107968 5.184179e+02 1.0458620268 0.16354090 6.395110e+00
## ENSG00000107984 4.704511e+02 0.3030843522 0.27024947 1.121498e+00
## ENSG00000108001 2.002419e+02 -0.6093564892 1.25418962 -4.858567e-01
## ENSG00000108010 6.836998e+02 0.0898155909 0.12856437 6.986041e-01
## ENSG00000108018 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000108021 1.319183e+03 -0.1368044584 0.19874031 -6.883579e-01
## ENSG00000108039 1.215463e+03 0.1233085040 0.12940488 9.528891e-01
## ENSG00000108055 1.504913e+03 0.0486610825 0.10755356 4.524358e-01
## ENSG00000108061 1.278439e+03 0.2508780623 0.08370292 2.997244e+00
## ENSG00000108064 3.938959e+02 -0.1391668839 0.22009567 -6.323018e-01
## ENSG00000108091 1.484187e+03 0.0882531061 0.11557549 7.635971e-01
## ENSG00000108094 8.308014e+02 0.0166445037 0.10972918 1.516871e-01
## ENSG00000108100 1.937673e+03 0.0670486555 0.10374728 6.462691e-01
## ENSG00000108106 2.595123e+02 0.1270354635 0.22866857 5.555441e-01
## ENSG00000108107 1.001567e+04 -0.1339919715 0.17167895 -7.804799e-01
## ENSG00000108175 3.671618e+03 -0.3568085132 0.17789995 -2.005670e+00
## ENSG00000108176 1.867764e+01 -0.7285755881 0.61450037 -1.185639e+00
## ENSG00000108179 5.775389e+02 0.2223491452 0.18637309 1.193032e+00
## ENSG00000108187 1.954861e+02 0.0716345318 0.16692191 4.291500e-01

```

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## ENSG00000108219 8.372561e+02 -0.1376908473 0.13068580 -1.053602e+00
## ENSG00000108231 3.134121e+01 -1.2669020508 0.91790089 -1.380217e+00
## ENSG00000108239 7.185167e+02 0.1013576325 0.22476607 4.509472e-01
## ENSG00000108242 9.616919e-01 2.5354951386 2.71674701 9.332835e-01
## ENSG00000108244 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000108255 5.450702e-01 -1.5121804209 2.43219411 -6.217351e-01
## ENSG00000108256 2.516461e+03 0.0840172999 0.15991144 5.253989e-01
## ENSG00000108262 1.200329e+03 0.5549307322 0.14592018 3.802975e+00
## ENSG00000108298 1.804524e+04 -0.0579045170 0.14657975 -3.950376e-01
## ENSG00000108306 5.376685e+02 -0.2788241061 0.13203453 -2.111751e+00
## ENSG00000108309 2.341874e+01 0.7952470578 0.52233484 1.522485e+00
## ENSG00000108312 2.329341e+03 -0.1571884778 0.10081296 -1.559209e+00
## ENSG00000108342 4.086469e-01 -0.0258947228 3.26370279 -7.934155e-03
## ENSG00000108344 1.766919e+03 -0.0037908339 0.08502666 -4.458406e-02
## ENSG00000108349 1.947831e+03 -0.0968320993 0.11330008 -8.546516e-01
## ENSG00000108352 5.596555e+01 -0.7986453288 0.30136595 -2.650085e+00
## ENSG00000108370 3.345561e+01 -0.3361741752 0.36583788 -9.189157e-01
## ENSG00000108375 1.803205e+01 -0.7258127725 0.42139600 -1.722401e+00
## ENSG00000108379 1.992019e+01 -2.8001504011 2.65265827 -1.055602e+00
## ENSG00000108381 3.442414e+02 0.2421831469 0.32340910 7.488446e-01
## ENSG00000108384 1.733482e+02 -0.0703512598 0.17753560 -3.962657e-01
## ENSG00000108387 2.802314e+01 1.5491661612 0.57820464 2.679270e+00
## ENSG00000108389 9.278933e+02 0.1568206259 0.13822373 1.134542e+00
## ENSG00000108395 8.748732e+02 -0.1622461999 0.14344218 -1.131091e+00
## ENSG00000108405 5.901416e-01 0.1929386329 3.04679866 6.332504e-02
## ENSG00000108406 1.569490e+03 0.0334984377 0.08516759 3.933238e-01
## ENSG00000108417 0.000000e+00 NA NA NA
## ENSG00000108423 5.504428e+01 -0.4218981070 0.29959690 -1.408219e+00
## ENSG00000108424 5.477812e+03 0.2170256305 0.08522660 2.546454e+00
## ENSG00000108433 6.564033e+02 -0.0833785633 0.16175672 -5.154566e-01
## ENSG00000108439 3.086432e+02 0.0207265301 0.15150292 1.368061e-01
## ENSG00000108442 0.000000e+00 NA NA NA
## ENSG00000108443 7.869751e+02 -0.0263128535 0.11696881 -2.249562e-01
## ENSG00000108448 1.547556e+02 -0.5693664847 0.23713809 -2.400991e+00
## ENSG00000108452 3.648626e-01 -1.8995343260 3.25889304 -5.828772e-01
## ENSG00000108465 1.497802e+03 0.1516612739 0.10705362 1.416685e+00
## ENSG00000108468 1.468146e+03 -0.4708083398 0.09467928 -4.972665e+00
## ENSG00000108469 3.720265e+02 -0.0862685090 0.16772055 -5.143586e-01
## ENSG00000108474 1.739768e+02 -0.0730039070 0.18969309 -3.848528e-01
## ENSG00000108479 1.967598e+02 0.2333121988 0.18170200 1.284038e+00
## ENSG00000108506 2.627496e+02 0.1912492606 0.15537509 1.230888e+00
## ENSG00000108509 1.155370e+03 -0.1342426440 0.20616493 -6.511420e-01
## ENSG00000108510 1.732648e+03 0.3088068711 0.15084761 2.047145e+00
## ENSG00000108511 1.058072e+02 0.3018375823 0.64352469 4.690381e-01
## ENSG00000108515 8.344285e+01 0.3553250751 0.24334371 1.460178e+00
## ENSG00000108516 0.000000e+00 NA NA NA
## ENSG00000108518 6.363442e+03 0.3217855572 0.15356344 2.095457e+00
## ENSG00000108523 1.321925e+03 0.2544431246 0.13791973 1.844864e+00
## ENSG00000108528 5.588478e+02 -0.0855663460 0.13308424 -6.429488e-01
## ENSG00000108551 9.398203e+01 2.2147904447 0.77557765 2.855666e+00
## ENSG00000108556 1.359783e+01 0.3908342406 0.86814768 4.501933e-01
## ENSG00000108557 8.018234e+02 -0.1876248643 0.14745245 -1.272443e+00
## ENSG00000108559 4.132959e+02 0.0675253175 0.14954729 4.515315e-01
## ENSG00000108561 6.245540e+02 0.1514018286 0.13030576 1.161897e+00

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## ENSG00000108576 3.598283e+00 -0.6626733792 1.00504079 -6.593497e-01
## ENSG00000108578 3.981366e+02 -0.1405560709 0.14654945 -9.591034e-01
## ENSG00000108582 7.804399e+03 0.4426276951 0.27496538 1.609758e+00
## ENSG00000108587 7.870071e+02 -0.2277568586 0.15652220 -1.455109e+00
## ENSG00000108588 1.584697e+03 0.2205756598 0.11900506 1.853498e+00
## ENSG00000108590 1.472804e+02 0.0754395644 0.14685107 5.137148e-01
## ENSG00000108591 5.536687e+02 0.1896130861 0.10433205 1.817400e+00
## ENSG00000108592 1.310334e+03 0.3191975712 0.15666755 2.037420e+00
## ENSG00000108599 7.108878e+02 0.0318307475 0.14060347 2.263866e-01
## ENSG00000108602 9.988963e+00 -2.4540929314 0.80046418 -3.065837e+00
## ENSG00000108604 2.187268e+03 1.2945318871 0.18508866 6.994118e+00
## ENSG00000108622 1.533115e+01 -0.4831668440 0.58991428 -8.190458e-01
## ENSG00000108639 3.736730e+02 0.7075822903 0.29288538 2.415902e+00
## ENSG00000108641 1.739783e+02 -0.5665939612 0.22818904 -2.483003e+00
## ENSG00000108651 5.914334e+02 0.1694006925 0.14298234 1.184767e+00
## ENSG00000108654 1.467563e+04 0.1223521520 0.14135467 8.655685e-01
## ENSG00000108666 1.916043e+02 0.0214907761 0.21829925 9.844641e-02
## ENSG00000108669 3.448330e+02 -0.2182103528 0.23420191 -9.317189e-01
## ENSG00000108671 1.052551e+03 0.1277496546 0.12770162 1.000376e+00
## ENSG00000108679 3.798508e+03 -0.0179247635 0.25796578 -6.948504e-02
## ENSG00000108684 8.605768e+00 -1.8299694153 0.63885125 -2.864469e+00
## ENSG00000108688 1.368664e+01 -2.2085114045 1.06927817 -2.065423e+00
## ENSG00000108691 9.704111e+02 -0.1615531423 0.84173329 -1.919291e-01
## ENSG00000108700 1.482305e+01 -3.6903542459 1.13155551 -3.261311e+00
## ENSG00000108702 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000108733 2.441691e+02 -0.2985918411 0.12967727 -2.302577e+00
## ENSG00000108759 4.149907e-01 -0.5488214389 3.18826747 -1.721378e-01
## ENSG00000108771 2.857743e+02 0.1118448261 0.18357625 6.092554e-01
## ENSG00000108773 6.001168e+02 0.0344616320 0.19491497 1.768034e-01
## ENSG00000108774 3.331677e+03 0.1501573378 0.09176759 1.636278e+00
## ENSG00000108784 1.622561e+03 0.2020396573 0.14899303 1.356034e+00
## ENSG00000108785 2.793256e+01 -0.1319146153 0.35172501 -3.750504e-01
## ENSG00000108786 4.271353e+02 0.0434671907 0.10226977 4.250248e-01
## ENSG00000108788 6.590135e+02 0.2894454502 0.11774790 2.458179e+00
## ENSG00000108797 1.888704e+03 -0.6230942898 0.14868995 -4.190561e+00
## ENSG00000108798 7.022171e-01 -0.7820715895 2.91565118 -2.682322e-01
## ENSG00000108799 1.342298e+03 0.4075093740 0.14146723 2.880592e+00
## ENSG00000108813 2.692649e+00 0.7693834063 1.20704748 6.374094e-01
## ENSG00000108819 1.860498e+03 -0.1708817688 0.13105091 -1.303934e+00
## ENSG00000108821 1.026243e+05 -1.2773659903 0.13739449 -9.297069e+00
## ENSG00000108823 8.776479e+00 0.0159435801 0.64979672 2.453626e-02
## ENSG00000108825 5.142584e+00 0.2042988759 1.07584954 1.898954e-01
## ENSG00000108826 3.500585e+02 -0.1956151558 0.15128641 -1.293012e+00
## ENSG00000108828 1.252065e+04 -0.5921344466 0.17003468 -3.482433e+00
## ENSG00000108829 2.056890e+03 0.5069658554 0.16200547 3.129313e+00
## ENSG00000108830 2.071115e+02 -2.1498707479 0.30877095 -6.962672e+00
## ENSG00000108839 5.978006e+01 -0.4349177197 0.36354335 -1.196330e+00
## ENSG00000108840 2.773760e+03 0.4554409751 0.15213930 2.993579e+00
## ENSG00000108846 4.207835e+02 0.9892796181 0.26640409 3.713455e+00
## ENSG00000108848 3.098926e+03 -0.0060949359 0.09823739 -6.204293e-02
## ENSG00000108849 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000108852 1.3666650e+02 -0.5605931047 0.27466970 -2.040972e+00
## ENSG00000108854 3.225994e+03 -0.3175958392 0.19126213 -1.660527e+00
## ENSG00000108861 2.140536e+03 0.5041091069 0.14619731 3.448142e+00

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## ENSG00000108878 0.000000e+00 NA NA NA
## ENSG00000108883 1.050886e+03 -0.0277403001 0.20816578 -1.332606e-01
## ENSG00000108924 5.656914e+01 1.4902915549 0.50008590 2.980071e+00
## ENSG00000108932 5.786193e+01 1.2631596815 0.87483171 1.443889e+00
## ENSG00000108946 9.506919e+03 0.1526255815 0.13404186 1.138641e+00
## ENSG00000108947 8.912948e+01 -0.2659583241 0.25598323 -1.038968e+00
## ENSG00000108950 1.128129e+03 1.1070478763 0.20632746 5.365490e+00
## ENSG00000108953 3.228230e+03 0.1229112182 0.11185459 1.098848e+00
## ENSG00000108958 0.000000e+00 NA NA NA
## ENSG00000108960 1.740198e+03 1.6543430180 0.23018596 7.186985e+00
## ENSG00000108961 2.588253e+02 0.1773903761 0.12676912 1.399319e+00
## ENSG00000108963 5.977339e+02 0.0915598009 0.14130977 6.479368e-01
## ENSG00000108984 8.846926e+01 -0.2777823846 0.54583363 -5.089140e-01
## ENSG00000109016 3.323311e+02 0.4997206082 0.22271608 2.243756e+00
## ENSG00000109046 4.231895e+03 0.3947188039 0.16084944 2.453965e+00
## ENSG00000109047 2.425959e+00 -1.0062106354 1.16825581 -8.612931e-01
## ENSG00000109061 5.463516e-01 2.6448892935 2.38167612 1.110516e+00
## ENSG00000109062 2.436405e+02 0.1832628008 0.24516060 7.475214e-01
## ENSG00000109063 3.866332e+01 0.5776907396 0.36326466 1.590275e+00
## ENSG00000109065 5.131875e+02 0.0473945655 0.12676441 3.738791e-01
## ENSG00000109066 5.332324e+02 0.2848879842 0.12668052 2.248870e+00
## ENSG00000109072 2.031668e+01 -0.5427518141 0.42461348 -1.278226e+00
## ENSG00000109079 1.098866e+03 0.2237019784 0.13330868 1.678075e+00
## ENSG00000109083 4.668739e+02 -0.0214018209 0.13328322 -1.605740e-01
## ENSG00000109084 1.898254e+02 0.5311215169 0.34798219 1.526289e+00
## ENSG00000109089 6.061630e+02 0.1840332736 0.17345305 1.060998e+00
## ENSG00000109099 6.974397e+03 -0.2560648992 0.10799675 -2.371043e+00
## ENSG00000109101 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000109103 4.186306e+02 -0.3051129086 0.21018782 -1.451620e+00
## ENSG00000109107 4.072861e+02 -0.3468118620 0.21770653 -1.593025e+00
## ENSG00000109111 3.988179e+03 0.0128408663 0.10374079 1.237784e-01
## ENSG00000109113 2.215894e+03 -0.0387199879 0.06603679 -5.863397e-01
## ENSG00000109118 8.201715e+02 -0.1124936226 0.11171023 -1.007013e+00
## ENSG00000109132 0.000000e+00 NA NA NA
## ENSG00000109133 7.380935e+02 0.0816026108 0.12279180 6.645608e-01
## ENSG00000109158 6.095810e-01 0.6717798304 2.44305883 2.749749e-01
## ENSG00000109163 4.323806e+00 -1.1223377656 1.05433898 -1.064494e+00
## ENSG00000109171 1.005095e+03 0.1498690770 0.16458049 9.106126e-01
## ENSG00000109180 1.805817e+03 -0.0078741407 0.12676645 -6.211533e-02
## ENSG00000109181 0.000000e+00 NA NA NA
## ENSG00000109182 0.000000e+00 NA NA NA
## ENSG00000109184 1.186796e+03 0.3007703303 0.14446630 2.081941e+00
## ENSG00000109189 6.623929e+02 0.6535179253 0.17209406 3.797446e+00
## ENSG00000109193 1.366755e+00 -0.0859132181 1.51310572 -5.677939e-02
## ENSG00000109205 0.000000e+00 NA NA NA
## ENSG00000109208 0.000000e+00 NA NA NA
## ENSG00000109220 2.583095e+02 0.3883813907 0.18198846 2.134099e+00
## ENSG00000109255 0.000000e+00 NA NA NA
## ENSG00000109265 8.321911e+01 -1.5295241438 0.47611029 -3.212542e+00
## ENSG00000109270 6.389192e+02 0.1598747249 0.10868902 1.470937e+00
## ENSG00000109272 1.111122e+00 -1.0508837520 2.24443352 -4.682178e-01
## ENSG00000109320 1.076852e+03 -0.2393652042 0.11574885 -2.067971e+00
## ENSG00000109321 2.649280e+00 -0.9944359761 1.55431647 -6.397899e-01
## ENSG00000109323 1.742685e+03 -0.2493337469 0.17984958 -1.386346e+00

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## ENSG00000109332 5.536308e+03    0.1106639494 0.07456446  1.484138e+00
## ENSG00000109339 7.615571e+02   -0.7617784594 0.18662558 -4.081854e+00
## ENSG00000109381 7.713891e+02   -0.0392281060 0.11673725 -3.360376e-01
## ENSG00000109390 3.843123e+02   -0.0411644084 0.14878873 -2.766635e-01
## ENSG00000109424 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000109436 8.713605e+02   -0.0523549782 0.09231566 -5.671300e-01
## ENSG00000109445 6.216268e+02    0.1269953575 0.16894443  7.516990e-01
## ENSG00000109452 2.598020e+02    0.1426711669 0.32926997  4.332954e-01
## ENSG00000109458 9.133159e+02   -0.3307516451 0.16096919 -2.054751e+00
## ENSG00000109466 3.627146e+02   -0.1314165047 0.16707187 -7.865867e-01
## ENSG00000109471 0.000000e+00      NA          NA          NA
## ENSG00000109472 8.762931e+03   -0.2870790337 0.27693639 -1.036624e+00
## ENSG00000109475 5.711438e+03    0.0880602107 0.18227414  4.831196e-01
## ENSG00000109501 1.996629e+03    0.5231519871 0.18982928  2.755908e+00
## ENSG00000109511 1.067810e+00   -2.4700773446 2.20443713 -1.120503e+00
## ENSG00000109519 3.278735e+02    0.3381740332 0.21632919  1.563238e+00
## ENSG00000109534 1.308988e+02   -0.0267948407 0.18878256 -1.419349e-01
## ENSG00000109536 1.894283e+02   -0.0347832037 0.19414122 -1.791644e-01
## ENSG00000109572 1.742506e+03   -0.4237072502 0.13081269 -3.239038e+00
## ENSG00000109576 1.317043e+02   -0.4694405559 0.33286901 -1.410286e+00
## ENSG00000109586 4.566236e+02    0.2192607444 0.12276356  1.786041e+00
## ENSG00000109606 2.474930e+03    0.1160795301 0.10408339  1.115255e+00
## ENSG00000109610 4.559648e+03   -0.0659022710 0.33156447 -1.987616e-01
## ENSG00000109618 2.366289e+02   -0.3455599829 0.27000290 -1.279838e+00
## ENSG00000109625 1.227501e+03   -0.7284165468 0.22132139 -3.291216e+00
## ENSG00000109654 1.322987e+03   -0.8906176216 0.22259537 -4.001061e+00
## ENSG00000109667 1.323264e+02    0.2984056744 0.22842531  1.306360e+00
## ENSG00000109670 3.892610e+02   -0.2821540153 0.20731185 -1.361012e+00
## ENSG00000109674 4.901680e+01   -1.3952656736 0.40235709 -3.467730e+00
## ENSG00000109680 6.063711e+02   -0.8712510951 0.25970408 -3.354784e+00
## ENSG00000109684 1.121015e+01    0.8710385497 0.52271162  1.666385e+00
## ENSG00000109685 8.465294e+02   -0.3696637344 0.11623509 -3.180311e+00
## ENSG00000109686 5.986937e+03    0.7291851815 0.13248444  5.503931e+00
## ENSG00000109689 1.160042e+03   -1.0169872892 0.23522979 -4.323378e+00
## ENSG00000109705 7.987390e+00   -0.0696424747 0.81739399 -8.520062e-02
## ENSG00000109736 1.061172e+03    0.5379145156 0.11789290  4.562739e+00
## ENSG00000109738 3.543005e+02   -0.3417057323 0.31764282 -1.075755e+00
## ENSG00000109743 4.100514e+02    0.2434688587 0.32758399  7.432258e-01
## ENSG00000109756 1.518134e+03    0.0891531377 0.21767563  4.095688e-01
## ENSG00000109758 3.659096e+00    0.2485039749 0.98295730  2.528126e-01
## ENSG00000109762 4.422120e+02    0.3725404248 0.16524001  2.254541e+00
## ENSG00000109771 3.857467e+01   -0.5340146372 0.34045990 -1.568510e+00
## ENSG00000109775 3.736554e+02   -0.4854813437 0.12058008 -4.026215e+00
## ENSG00000109787 1.470772e+03   -0.1611206079 0.12233832 -1.317009e+00
## ENSG00000109790 1.601858e+03   -0.0088117434 0.12757679 -6.907011e-02
## ENSG00000109794 1.157190e+02   -0.8792929465 0.59043874 -1.489220e+00
## ENSG00000109805 7.960662e+01   -0.4394882781 0.36382294 -1.207973e+00
## ENSG00000109814 1.779669e+03    0.2563569869 0.17508852  1.464156e+00
## ENSG00000109819 1.484890e+02   -0.2061273247 0.57280488 -3.598561e-01
## ENSG00000109832 6.840172e+00   -0.1395039856 0.79678970 -1.750826e-01
## ENSG00000109846 1.770996e+03    0.5358417099 0.22537566  2.377549e+00
## ENSG00000109851 2.212567e-01   1.5394092681 3.52295593  4.369652e-01
## ENSG00000109854 4.929639e+02    0.1240469042 0.43955707  2.822089e-01
## ENSG00000109861 4.209176e+03   1.0520884701 0.24604160  4.276059e+00

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## ENSG00000109881 6.758475e+01 -1.1329770875 0.25456476 -4.450644e+00
## ENSG00000109906 4.395415e+02 5.9276000189 0.42813687 1.384511e+01
## ENSG00000109911 1.395589e+02 -0.2739305347 0.18255270 -1.500556e+00
## ENSG00000109917 4.773515e+02 0.2755382013 0.18605548 1.480946e+00
## ENSG00000109919 1.250068e+03 0.3281406261 0.09341230 3.512820e+00
## ENSG00000109920 1.292502e+03 0.0759249716 0.10371859 7.320286e-01
## ENSG00000109927 3.892268e+01 -0.0053133830 0.46462217 -1.143592e-02
## ENSG00000109929 4.472260e+02 0.0520503342 0.16325745 3.188236e-01
## ENSG00000109943 1.744793e+00 -0.3092217789 1.29754512 -2.383129e-01
## ENSG00000109944 1.453335e+02 -0.0547249831 0.27952213 -1.957805e-01
## ENSG00000109956 2.908199e+00 -0.0702400774 1.09598291 -6.408866e-02
## ENSG00000109971 1.993055e+04 -0.2953983761 0.20244803 -1.459132e+00
## ENSG00000109991 1.483420e+00 0.6423796434 1.34725377 4.768067e-01
## ENSG00000110002 9.378955e+02 -0.4929509598 0.26060910 -1.891534e+00
## ENSG00000110011 4.224030e+02 -0.1996561676 0.16248025 -1.228803e+00
## ENSG00000110013 1.705161e+03 -0.0106254376 0.12521322 -8.485875e-02
## ENSG00000110025 3.323705e+02 0.2402720238 0.15110265 1.590125e+00
## ENSG00000110031 1.084296e+02 -0.4918421674 0.21303084 -2.308784e+00
## ENSG00000110042 7.614190e+02 0.2709227836 0.27066481 1.000953e+00
## ENSG00000110046 7.931161e+02 0.2152419013 0.11778246 1.827453e+00
## ENSG00000110047 2.054364e+03 0.3283577258 0.12082115 2.717717e+00
## ENSG00000110048 1.585383e+03 -0.1427090544 0.09951776 -1.434006e+00
## ENSG00000110057 3.359166e+02 0.6317959893 0.16661381 3.791978e+00
## ENSG00000110060 1.528823e+02 -0.3459781144 0.18992117 -1.821693e+00
## ENSG00000110063 2.327135e+02 -0.2978195280 0.18054044 -1.649600e+00
## ENSG00000110066 5.881996e+02 0.0631703020 0.12839775 4.919892e-01
## ENSG00000110074 2.453292e+02 -0.1652939525 0.13468349 -1.227277e+00
## ENSG00000110075 1.437638e+03 0.1333182491 0.08967921 1.486613e+00
## ENSG00000110076 4.776805e+00 -0.3735422032 1.03494794 -3.609285e-01
## ENSG00000110077 1.951957e+00 -1.6497840178 1.42546013 -1.157369e+00
## ENSG00000110079 0.000000e+00 NA NA NA
## ENSG00000110080 6.796556e+02 0.0126689768 0.20005042 6.332892e-02
## ENSG00000110090 2.284631e+03 0.7084798065 0.16936367 4.183187e+00
## ENSG00000110092 1.492101e+04 0.0215023904 0.23368025 9.201629e-02
## ENSG00000110104 3.273173e+02 0.3484285796 0.24984701 1.394568e+00
## ENSG00000110107 1.318155e+03 -0.1526120957 0.11427907 -1.335433e+00
## ENSG00000110108 2.165745e+03 0.3788404721 0.14251709 2.658211e+00
## ENSG00000110148 3.018863e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000110169 2.455778e+01 0.0015452783 0.89323771 1.729974e-03
## ENSG00000110171 3.965604e+02 0.1438830630 0.25503535 5.641691e-01
## ENSG00000110172 5.451095e+02 0.1018423608 0.15626939 6.517102e-01
## ENSG00000110195 7.672435e+00 -0.2713432529 0.65766159 -4.125880e-01
## ENSG00000110200 2.802731e+02 0.0783447087 0.13635698 5.745559e-01
## ENSG00000110203 1.941609e+01 -1.3676173364 0.52323621 -2.613767e+00
## ENSG00000110218 7.266123e+02 0.3550718871 0.16655649 2.131841e+00
## ENSG00000110237 2.752412e+03 0.3452157659 0.11223658 3.075786e+00
## ENSG00000110243 5.796470e-01 -1.4707883993 2.95830835 -4.971721e-01
## ENSG00000110244 0.000000e+00 NA NA NA
## ENSG00000110245 0.000000e+00 NA NA NA
## ENSG00000110274 8.374771e+02 -0.0264303827 0.11093459 -2.382519e-01
## ENSG00000110315 1.450049e+03 0.2466467923 0.28686464 8.598020e-01
## ENSG00000110318 4.779521e+02 -0.0278677994 0.17477758 -1.594472e-01
## ENSG00000110321 2.867452e+04 -0.0430395632 0.07352765 -5.853520e-01
## ENSG00000110324 4.904944e-01 -2.3292342646 3.45667598 -6.738364e-01

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## ENSG00000110328 6.108503e+01 -0.3994968439 0.25009401 -1.597387e+00
## ENSG00000110330 1.409224e+03 0.0419105219 0.09846721 4.256292e-01
## ENSG00000110344 1.674526e+03 0.0603257746 0.09815691 6.145851e-01
## ENSG00000110367 3.136703e+03 0.0442058623 0.12394387 3.566603e-01
## ENSG00000110375 2.308245e+00 -1.7345461682 1.27883212 -1.356352e+00
## ENSG00000110395 9.023821e+02 0.3432804355 0.15248944 2.251175e+00
## ENSG00000110400 1.538947e+02 -0.9311561858 0.19973111 -4.662049e+00
## ENSG00000110422 2.614232e+03 0.5659570743 0.19402084 2.916991e+00
## ENSG00000110427 1.604111e+02 -0.2201028164 0.47349276 -4.648494e-01
## ENSG00000110429 7.126854e+02 0.0594284548 0.22321148 2.662428e-01
## ENSG00000110435 4.858699e+02 -0.2268138603 0.13599655 -1.667791e+00
## ENSG00000110436 2.660469e+02 -0.3437749543 0.21974215 -1.564447e+00
## ENSG00000110442 4.466222e+02 -0.4332833655 0.12716521 -3.407248e+00
## ENSG00000110446 3.297127e+02 0.2312535349 0.15083208 1.533185e+00
## ENSG00000110448 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000110455 4.228204e+02 -0.0934318932 0.26340075 -3.547138e-01
## ENSG00000110484 0.000000e+00 NA NA NA
## ENSG00000110492 1.567822e+03 -0.4586386638 0.16456106 -2.787043e+00
## ENSG00000110497 6.744579e+02 0.1080364137 0.08459929 1.277037e+00
## ENSG00000110514 7.075170e+02 -0.1020513003 0.11136117 -9.163993e-01
## ENSG00000110536 4.177720e+02 0.0907558246 0.13317574 6.814742e-01
## ENSG00000110583 4.049511e+02 -0.4601903751 0.16906998 -2.721893e+00
## ENSG00000110619 7.505519e+02 -0.1402265177 1.27248693 -1.101988e-01
## ENSG00000110628 1.357582e+02 0.5808840877 0.20532023 2.829162e+00
## ENSG00000110651 1.664300e+04 0.0001928236 0.10767195 1.790844e-03
## ENSG00000110660 5.090248e+01 0.2923070457 0.50943979 5.737813e-01
## ENSG00000110665 1.030861e+00 0.4263883257 1.84315329 2.313363e-01
## ENSG00000110675 5.335647e+00 1.5433024124 0.81522845 1.893092e+00
## ENSG00000110680 3.018863e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000110693 1.128554e+01 -0.1427371569 0.50963608 -2.800766e-01
## ENSG00000110696 2.735859e+03 0.0265846224 0.10447061 2.544699e-01
## ENSG00000110697 6.910986e+02 0.2809421655 0.21935219 1.280781e+00
## ENSG00000110700 5.715573e+03 0.0101037392 0.15249771 6.625502e-02
## ENSG00000110711 6.553437e+02 0.0934369150 0.12327841 7.579341e-01
## ENSG00000110713 2.369756e+03 0.2934675718 0.16519081 1.776537e+00
## ENSG00000110717 4.812485e+02 -0.0677692862 0.17256197 -3.927243e-01
## ENSG00000110719 1.000674e+03 0.4370902482 0.13938265 3.135901e+00
## ENSG00000110721 1.736676e+02 0.4109609491 0.21219358 1.936727e+00
## ENSG00000110723 3.774754e+02 0.1931205493 0.17116844 1.128249e+00
## ENSG00000110756 9.906455e+02 1.4902663120 0.14703408 1.013552e+01
## ENSG00000110768 1.359183e+03 0.3796813574 0.09739573 3.898337e+00
## ENSG00000110777 2.196699e+01 0.1977203484 0.40730374 4.854371e-01
## ENSG00000110786 7.722552e-01 2.1602961133 1.93872845 1.114285e+00
## ENSG00000110799 2.106254e+01 -0.6119740264 0.62575500 -9.779770e-01
## ENSG00000110801 7.321783e+02 0.1789579645 0.14741314 1.213989e+00
## ENSG00000110811 1.483584e+03 -0.3168943744 0.15530123 -2.040514e+00
## ENSG00000110841 1.618115e+03 -0.4105206624 0.15576834 -2.635456e+00
## ENSG00000110844 2.989041e+02 -0.2753074286 0.15778386 -1.744839e+00
## ENSG00000110848 0.000000e+00 NA NA NA
## ENSG00000110851 7.072673e+02 0.1123682504 0.12995132 8.646950e-01
## ENSG00000110852 1.812702e+02 0.0559695956 0.22979072 2.435677e-01
## ENSG00000110871 3.763615e+02 -0.1638203391 0.12708488 -1.289062e+00
## ENSG00000110876 8.212477e+01 -0.5120128164 0.36004878 -1.422065e+00
## ENSG00000110880 7.884993e+03 0.2699524298 0.12664309 2.131600e+00

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## ENSG00000110881 2.680910e+02 -0.5538507980 0.24265556 -2.282457e+00
## ENSG00000110887 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000110888 6.555728e+02 -0.2142274466 0.22930280 -9.342557e-01
## ENSG00000110900 2.637087e+02 -1.4905055025 0.29309029 -5.085482e+00
## ENSG00000110906 2.898385e+03 0.4416057707 0.12832101 3.441414e+00
## ENSG00000110911 1.040141e+03 0.3302752854 0.12122343 2.724517e+00
## ENSG00000110917 5.218578e+03 0.1031121977 0.13916682 7.409251e-01
## ENSG00000110921 9.264704e+01 -0.5642246921 0.30031787 -1.878758e+00
## ENSG00000110925 5.530567e+02 -0.0259539583 0.12378791 -2.096647e-01
## ENSG00000110931 1.179113e+03 0.2478699276 0.10017383 2.474398e+00
## ENSG00000110934 9.391362e-01 -0.2669141667 2.26962021 -1.176030e-01
## ENSG00000110944 1.544634e+01 0.5145366115 0.46515008 1.106173e+00
## ENSG00000110955 6.542160e+03 0.1657565644 0.06478794 2.558448e+00
## ENSG00000110958 2.767122e+03 0.0093366751 0.07193718 1.297893e-01
## ENSG00000110975 5.303694e-01 -2.4588717610 3.45044270 -7.126250e-01
## ENSG00000110987 1.414128e+02 0.4769838816 0.34020558 1.402046e+00
## ENSG00000111011 1.226681e+03 -0.0485558283 0.14020967 -3.463087e-01
## ENSG00000111012 5.098545e+00 0.6067319272 0.85526486 7.094082e-01
## ENSG00000111046 4.290047e-01 -0.5512701034 3.16300717 -1.742867e-01
## ENSG00000111049 0.000000e+00 NA NA NA
## ENSG00000111052 4.583234e+02 0.1005495038 0.27406222 3.668857e-01
## ENSG00000111057 4.984290e+01 0.8545000237 1.04981514 8.139529e-01
## ENSG00000111058 7.696134e+02 0.1127458805 0.16058681 7.020868e-01
## ENSG00000111077 3.950582e+03 0.3425531417 0.12120342 2.826266e+00
## ENSG00000111087 1.814357e+01 -1.1263309027 0.77256119 -1.457918e+00
## ENSG00000111110 2.023870e+01 -1.3094159457 0.55361634 -2.365205e+00
## ENSG00000111142 1.738183e+03 -0.1512682820 0.10806584 -1.399779e+00
## ENSG00000111144 1.522134e+03 -0.1533244134 0.15224483 -1.007091e+00
## ENSG00000111145 1.878577e+03 0.1072149276 0.11762214 9.115199e-01
## ENSG00000111181 5.551881e+00 -0.1233863383 0.72065757 -1.712135e-01
## ENSG00000111186 1.225057e+03 0.0167924651 0.12726337 1.319505e-01
## ENSG00000111196 1.366084e+02 -0.2556035448 0.33985106 -7.521046e-01
## ENSG00000111199 1.533295e+02 0.5162203673 0.22391654 2.305414e+00
## ENSG00000111203 3.020623e+02 -0.3417883703 0.15688772 -2.178554e+00
## ENSG00000111206 1.967066e+02 -0.6640571024 0.18432415 -3.602659e+00
## ENSG00000111215 1.429201e+01 -0.0578835825 0.66331577 -8.726399e-02
## ENSG00000111218 1.801211e+00 -0.9744596757 1.43315474 -6.799403e-01
## ENSG00000111224 2.546753e+02 -0.3503399457 0.15060291 -2.326249e+00
## ENSG00000111229 2.438722e+03 0.3114056850 0.10606400 2.936017e+00
## ENSG00000111231 2.517484e+02 0.7028202241 0.16514922 4.255668e+00
## ENSG00000111237 8.521894e+02 0.1855549309 0.12927085 1.435397e+00
## ENSG00000111241 0.000000e+00 NA NA NA
## ENSG00000111245 0.000000e+00 NA NA NA
## ENSG00000111247 2.430365e+01 -0.7264102008 0.39341737 -1.846411e+00
## ENSG00000111249 0.000000e+00 NA NA NA
## ENSG00000111252 1.155756e+03 0.2753908231 0.23153576 1.189409e+00
## ENSG00000111254 2.325631e+01 -0.1258465046 0.51854668 -2.426908e-01
## ENSG00000111261 4.026350e+02 -0.1208560754 0.33135844 -3.647291e-01
## ENSG00000111262 1.276932e+00 -0.6828922118 1.79199867 -3.810785e-01
## ENSG00000111266 2.855036e+02 -0.1933949238 0.15226504 -1.270120e+00
## ENSG00000111269 1.966259e+03 0.2317336874 0.14833168 1.562267e+00
## ENSG00000111271 5.367045e+02 -0.1208423963 0.10466856 -1.154524e+00
## ENSG00000111275 2.803401e+03 0.3541039134 0.12811873 2.763873e+00
## ENSG00000111276 9.848331e+02 -0.0409279450 0.14049481 -2.913129e-01

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## ENSG00000111291 1.741291e+00    0.6042128210 1.47459369  4.097487e-01
## ENSG00000111300 4.269918e+02   -0.0390234220 0.18479009 -2.111770e-01
## ENSG00000111305 3.610994e+01    0.1826584800 0.46537336  3.924988e-01
## ENSG00000111319 1.090735e+01    0.0275044767 0.55110108  4.990822e-02
## ENSG00000111321 3.141297e+03    0.2235277523 0.10820262  2.065826e+00
## ENSG00000111325 2.235418e+02   -0.2630279443 0.14663670 -1.793739e+00
## ENSG00000111328 2.674361e+03   -0.0466064345 0.12440609 -3.746314e-01
## ENSG00000111331 2.054798e+02   -0.6879321505 0.25350174 -2.713718e+00
## ENSG00000111335 8.247119e+01   -1.0417960216 0.23171603 -4.496003e+00
## ENSG00000111339 1.786118e+00    1.4888763264 2.21249425  6.729402e-01
## ENSG00000111341 3.501167e+03    0.7505188357 0.65104045  1.152799e+00
## ENSG00000111344 3.029647e+00    1.4831860027 1.03453294  1.433677e+00
## ENSG00000111348 2.619355e+01    1.0873080546 0.52829402  2.058149e+00
## ENSG00000111358 4.891303e+02    0.1473197205 0.16161499  9.115474e-01
## ENSG00000111361 8.032872e+02    0.0680322361 0.09942441  6.842609e-01
## ENSG00000111364 2.898687e+02   -0.0267894280 0.18895336 -1.417780e-01
## ENSG00000111371 2.474945e+03    0.7016764192 0.21034825  3.335785e+00
## ENSG00000111404 6.274536e-01    0.8116052241 2.12388414  3.821325e-01
## ENSG00000111405 7.587950e+00    0.1174250378 0.88447219  1.327628e-01
## ENSG00000111412 8.555454e+02    0.2436147929 0.14786333  1.647567e+00
## ENSG00000111424 9.627918e+02   -0.1620716379 0.17203256 -9.420986e-01
## ENSG00000111432 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000111445 1.377054e+02   -0.1613835920 0.18580889 -8.685461e-01
## ENSG00000111450 1.126897e+03    0.6233596967 0.17609400  3.539926e+00
## ENSG00000111452 8.703564e+03    0.6770954313 0.25620817  2.642755e+00
## ENSG00000111481 2.062851e+03   -0.2520716159 0.08503421 -2.964355e+00
## ENSG00000111490 1.711784e+01   -1.3310052122 0.49472488 -2.690395e+00
## ENSG00000111530 3.086425e+03    0.0014043029 0.13599391  1.032622e-02
## ENSG00000111536 2.126202e-01   -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000111537 0.000000e+00      NA          NA          NA
## ENSG00000111540 3.859934e+03    0.2422354820 0.12191170  1.986975e+00
## ENSG00000111554 1.963689e+02   -0.2317017521 0.15807884 -1.465735e+00
## ENSG00000111581 5.534093e+02   -0.0283322955 0.11115881 -2.548812e-01
## ENSG00000111596 1.014276e+03   -0.1552451795 0.12856830 -1.207492e+00
## ENSG00000111602 1.833097e+02   -0.4574135836 0.16571378 -2.760263e+00
## ENSG00000111605 1.267359e+03    0.0638181465 0.08175538  7.805988e-01
## ENSG00000111615 8.518726e+02   -0.3407480027 0.12057374 -2.826055e+00
## ENSG00000111639 1.049536e+03    0.0864112043 0.08569800  1.008322e+00
## ENSG00000111640 4.659056e+04   -0.1335023562 0.16447885 -8.116688e-01
## ENSG00000111641 3.930037e+02    0.3500685063 0.16635835  2.104304e+00
## ENSG00000111642 5.207931e+03   -0.4170566295 0.13205001 -3.158323e+00
## ENSG00000111644 5.928991e+00   -0.3308064364 0.67002659 -4.937214e-01
## ENSG00000111647 7.103320e+02   -0.1609280418 0.09918180 -1.622556e+00
## ENSG00000111652 1.823640e+03    0.0403615398 0.11152837  3.618948e-01
## ENSG00000111653 5.024539e+02   -0.3329508396 0.15567074 -2.138815e+00
## ENSG00000111664 4.999709e+01   -0.3108426629 0.32796100 -9.478037e-01
## ENSG00000111665 4.796081e+01   -0.3487538908 0.29235260 -1.192922e+00
## ENSG00000111666 1.083927e+03    0.2161215905 0.18309144  1.180402e+00
## ENSG00000111667 1.648237e+03   -0.3193682203 0.10582264 -3.017958e+00
## ENSG00000111669 7.399878e+03    0.1359924396 0.30529737  4.454426e-01
## ENSG00000111670 3.222704e+03   -0.2860529170 0.23717692 -1.206074e+00
## ENSG00000111671 1.210590e+02   -0.4197901527 0.21667922 -1.937381e+00
## ENSG00000111674 1.229347e+03   -0.2182746240 0.26780097 -8.150629e-01
## ENSG00000111676 4.991317e+03    0.1503697528 0.10714182  1.403465e+00

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## ENSG00000111678 9.053727e+02    0.1051872838 0.17072528   6.161201e-01
## ENSG00000111679 2.005914e+00    -0.6985220900 1.32766241  -5.261293e-01
## ENSG00000111684 9.572761e+02    0.4880024966 0.13745684   3.550223e+00
## ENSG00000111696 3.062127e+02    0.8199173545 0.36474126   2.247942e+00
## ENSG00000111700 0.000000e+00      NA          NA          NA
## ENSG00000111701 0.000000e+00      NA          NA          NA
## ENSG00000111704 1.149038e+01    -1.1239052841 0.49592374  -2.266287e+00
## ENSG00000111707 7.432259e+02    -0.0940909582 0.11567301  -8.134219e-01
## ENSG00000111711 7.997218e+02    -0.0096950045 0.24252192  -3.997579e-02
## ENSG00000111713 1.191826e+00    1.1693507022 1.88563887   6.201350e-01
## ENSG00000111716 5.841343e+03    0.1165690539 0.12752689   9.140743e-01
## ENSG00000111725 5.281418e+02    0.1664115591 0.14033068   1.185853e+00
## ENSG00000111726 5.295341e+02    0.2885316327 0.14040176   2.055043e+00
## ENSG00000111727 8.067585e+02    -0.1147716456 0.11175100  -1.027030e+00
## ENSG00000111728 2.050859e+02    -1.3839446787 0.22908131  -6.041282e+00
## ENSG00000111729 7.458704e+00    -0.8193057483 0.61444103  -1.333416e+00
## ENSG00000111731 7.432859e+02    -0.0977914574 0.16566547  -5.902948e-01
## ENSG00000111732 6.400863e+00    0.4786799466 0.65225441   7.338853e-01
## ENSG00000111737 1.135979e+03    0.3265990129 0.13298427   2.455922e+00
## ENSG00000111752 8.628087e+02    -0.5057382273 0.17035130  -2.968796e+00
## ENSG00000111775 1.416890e+03    0.0762600233 0.12607781   6.048648e-01
## ENSG00000111780 4.269207e+00    -0.9095590167 1.58415874  -5.741590e-01
## ENSG00000111783 1.035161e+00    0.3132946156 1.68403966   1.860376e-01
## ENSG00000111785 2.907732e+02    0.1264088243 0.13182652   9.589028e-01
## ENSG00000111786 1.391186e+03    0.2363720479 0.11594005   2.038744e+00
## ENSG00000111788 2.152164e+01    -0.4126280847 0.59866424  -6.892479e-01
## ENSG00000111790 5.921177e+02    -0.0832478619 0.12668272  -6.571367e-01
## ENSG00000111796 3.441384e-01    -0.5086481446 3.35219545  -1.517358e-01
## ENSG00000111799 4.419995e+04    -0.1957959369 0.13783862  -1.420472e+00
## ENSG00000111801 7.289657e+02    -0.7731999034 0.14085422  -5.489363e+00
## ENSG00000111802 7.221990e+02    0.0932379940 0.17917809   5.203649e-01
## ENSG00000111816 2.887878e+02    -0.3837915135 0.17679455  -2.170833e+00
## ENSG00000111817 4.603651e+03    0.2084883491 0.11281865   1.847995e+00
## ENSG00000111832 8.828468e+02    0.0789409685 0.14874288   5.307210e-01
## ENSG00000111834 6.448940e+00    -1.1215061745 0.69880688  -1.604887e+00
## ENSG00000111837 6.920862e+00    -0.2447856983 0.62779252  -3.899150e-01
## ENSG00000111843 1.528202e+03    0.1947216526 0.12340420   1.577917e+00
## ENSG00000111845 1.912489e+02    -0.1778217576 0.21359984  -8.324995e-01
## ENSG00000111846 4.676872e+01    0.9732986187 0.39484785   2.464997e+00
## ENSG00000111850 1.149405e+02    -0.3043131401 0.18688711  -1.628326e+00
## ENSG00000111859 1.858025e+03    1.6174419691 0.28742793   5.627296e+00
## ENSG00000111860 3.974503e+02    -0.1113033773 0.17468903  -6.371515e-01
## ENSG00000111863 9.032355e+00    -0.0635889604 0.69076778  -9.205548e-02
## ENSG00000111875 2.843233e+02    -0.1009886624 0.15894068  -6.353859e-01
## ENSG00000111877 1.688767e+02    -0.2333686968 0.22280073  -1.047432e+00
## ENSG00000111879 1.087144e+01    0.1042569838 0.57160550   1.823932e-01
## ENSG00000111880 3.223403e+02    0.2404740231 0.14004034   1.717177e+00
## ENSG00000111885 5.780075e+03    0.8263827670 0.19886758   4.155442e+00
## ENSG00000111886 4.449196e+00    0.8016348765 1.00898389   7.944972e-01
## ENSG00000111897 1.079943e+04    0.2855573553 0.14690787   1.943785e+00
## ENSG00000111906 6.482361e+02    -0.0032743913 0.13923243  -2.351745e-02
## ENSG00000111907 2.426367e+02    -0.3473312283 0.54972362  -6.318288e-01
## ENSG00000111911 3.912682e+02    -0.4632792764 0.17778126  -2.605895e+00
## ENSG00000111912 1.374111e+03    0.4584230145 0.23756058   1.929710e+00

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```

## ENSG00000111913 8.628482e+01 -0.6644518208 0.43777068 -1.517808e+00
## ENSG00000111961 3.203548e+03 0.1018412022 0.15030884 6.775463e-01
## ENSG00000111962 7.508621e+02 0.2246150770 0.13860738 1.620513e+00
## ENSG00000111971 2.795188e+00 -0.2381890610 1.98818160 -1.198025e-01
## ENSG00000111981 6.959506e+01 -0.3771753946 0.34295774 -1.099772e+00
## ENSG00000112029 8.927211e+01 -0.3334734566 0.21754523 -1.532893e+00
## ENSG00000112031 5.782808e+02 0.2487864146 0.12573385 1.978675e+00
## ENSG00000112033 1.066895e+03 0.2304379418 0.10604380 2.173045e+00
## ENSG00000112038 4.466759e+00 0.4400259429 0.94279860 4.667232e-01
## ENSG00000112039 1.244225e+02 0.3032124551 0.16933470 1.790610e+00
## ENSG00000112041 4.159973e+00 0.4385245898 1.05370906 4.161724e-01
## ENSG00000112053 9.651445e+00 0.8789776308 0.70097264 1.253940e+00
## ENSG00000112062 1.286344e+03 0.2386904609 0.10039910 2.377416e+00
## ENSG00000112077 0.000000e+00 NA NA NA
## ENSG00000112078 2.399721e+03 0.5486542428 0.14573677 3.764693e+00
## ENSG00000112079 1.398304e+03 0.1839047046 0.12195624 1.507956e+00
## ENSG00000112081 2.058848e+03 0.2577746149 0.15859020 1.625413e+00
## ENSG00000112096 1.496797e+04 0.4463046482 0.25567682 1.745581e+00
## ENSG00000112110 6.056133e+02 0.0771212559 0.14875816 5.184338e-01
## ENSG00000112115 0.000000e+00 NA NA NA
## ENSG00000112116 0.000000e+00 NA NA NA
## ENSG00000112118 5.562323e+02 -0.0205069158 0.13074021 -1.568524e-01
## ENSG00000112130 3.817747e+02 0.2491298724 0.11037270 2.257169e+00
## ENSG00000112137 4.180574e+01 -0.6059835567 0.39873151 -1.519778e+00
## ENSG00000112139 1.086533e+03 -0.3650575008 0.34358161 -1.062506e+00
## ENSG00000112144 6.875237e+02 0.0873026578 0.13524411 6.455191e-01
## ENSG00000112146 1.354989e+03 0.1837432552 0.11647625 1.577517e+00
## ENSG00000112149 9.127118e+01 -0.7005036767 0.40507516 -1.729318e+00
## ENSG00000112159 1.389464e+03 0.1653319033 0.20179552 8.193041e-01
## ENSG00000112164 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000112167 2.765249e+02 0.1111225828 0.20857723 5.327647e-01
## ENSG00000112175 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000112182 1.213561e+02 0.2715262262 0.44927831 6.043609e-01
## ENSG00000112183 3.694819e+01 -0.7434966089 0.49156913 -1.512497e+00
## ENSG00000112186 3.466793e+02 -0.2671871579 0.26961655 -9.909894e-01
## ENSG00000112195 4.064850e-01 1.0035240859 3.22312867 3.113509e-01
## ENSG00000112200 8.340161e+02 -0.1471690935 0.16007771 -9.193603e-01
## ENSG00000112208 1.840989e+03 -0.2435295517 0.16852994 -1.445023e+00
## ENSG00000112210 2.109251e+03 -0.0379665657 0.20110065 -1.887938e-01
## ENSG00000112212 4.245099e-01 -1.0723436008 3.17619514 -3.376189e-01
## ENSG00000112214 3.182787e-01 1.9533382116 3.50190451 5.577931e-01
## ENSG00000112218 6.304618e+01 1.4386145002 0.48057180 2.993547e+00
## ENSG00000112232 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000112234 6.187721e+02 0.1631333131 0.12457726 1.309495e+00
## ENSG00000112237 6.360355e+02 0.2381040688 0.13352047 1.783278e+00
## ENSG00000112238 0.000000e+00 NA NA NA
## ENSG00000112242 3.387419e+02 0.0903496337 0.14080788 6.416518e-01
## ENSG00000112245 1.743574e+03 0.1462546485 0.19081172 7.664867e-01
## ENSG00000112246 2.436316e+00 1.3954353954 1.20918578 1.154029e+00
## ENSG00000112249 2.076354e+03 -0.1555892510 0.12639314 -1.230994e+00
## ENSG00000112273 0.000000e+00 NA NA NA
## ENSG00000112276 4.306664e+02 0.5259564619 0.16539418 3.180018e+00
## ENSG00000112280 1.740777e+00 1.5556623365 1.70174161 9.141590e-01
## ENSG00000112282 8.380147e+02 -0.0209117085 0.08841426 -2.365196e-01

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## ENSG00000112290 6.412991e+02    0.5739722240 0.15472006 3.709747e+00
## ENSG00000112293 1.183290e+01   -0.2722700594 0.61791428 -4.406276e-01
## ENSG00000112294 1.477010e+01   -0.0830167575 0.43536203 -1.906844e-01
## ENSG00000112297 3.424267e+02    0.6066754435 0.21560953 2.813769e+00
## ENSG00000112299 1.650777e+01   -0.4865869542 0.47036788 -1.034482e+00
## ENSG00000112303 4.379055e+00   -0.2826335542 1.20518641 -2.345144e-01
## ENSG00000112304 4.692301e+02    -0.3960887576 0.21557534 -1.837356e+00
## ENSG00000112305 7.147693e+02    -0.1578228594 0.09472333 -1.666146e+00
## ENSG00000112306 1.412374e+04    0.0111115771 0.26357954 4.215645e-02
## ENSG00000112308 2.471274e+03   -0.1699194292 0.08069164 -2.105787e+00
## ENSG00000112309 5.261243e+00    0.0243629838 0.70648510 3.448478e-02
## ENSG00000112312 1.175007e+02    0.0037320061 0.32343910 1.153851e-02
## ENSG00000112319 6.309753e+02   -0.4795336200 0.20258334 -2.367093e+00
## ENSG00000112320 3.182975e+02   -0.9830848592 0.26534191 -3.704974e+00
## ENSG00000112333 1.564520e+00   -0.8386793638 1.44777270 -5.792894e-01
## ENSG00000112335 3.617342e+03    0.0628071789 0.08607584 7.296726e-01
## ENSG00000112337 2.285402e-01    1.5394092413 3.52295593 4.369652e-01
## ENSG00000112339 1.110861e+03   -0.1212379403 0.13484484 -8.990921e-01
## ENSG00000112343 1.443997e+03    0.3146617249 0.10976407 2.866710e+00
## ENSG00000112357 9.816839e+01   -0.1496961737 0.18296518 -8.181676e-01
## ENSG00000112365 2.290224e+02    0.1449169319 0.13617540 1.064193e+00
## ENSG00000112367 4.983294e+02   -0.1307168345 0.15394370 -8.491211e-01
## ENSG00000112378 6.538263e+03   -0.0134000480 0.16788909 -7.981488e-02
## ENSG00000112379 9.780121e+00    0.1122317510 0.59475267 1.887032e-01
## ENSG00000112394 2.130810e+01    0.3543578694 0.58025906 6.106891e-01
## ENSG00000112406 9.133410e+02    0.2056800255 0.21771580 9.447180e-01
## ENSG00000112414 8.098465e+02    0.7891853940 0.44798753 1.761624e+00
## ENSG00000112419 1.781710e+03    0.3648772861 0.28684393 1.272041e+00
## ENSG00000112425 1.164194e+02   -0.0043375449 0.23279743 -1.863227e-02
## ENSG00000112459 0.000000e+00      NA        NA        NA
## ENSG00000112461 0.000000e+00      NA        NA        NA
## ENSG00000112462 0.000000e+00      NA        NA        NA
## ENSG00000112473 5.255043e+02   -0.2265049504 0.11599532 -1.952708e+00
## ENSG00000112474 1.119829e+01   -0.2649945652 0.52293280 -5.067469e-01
## ENSG00000112486 1.187976e+00    0.5950279909 1.49238186 3.987103e-01
## ENSG00000112493 3.950528e+02    0.1959231067 0.77924204 2.514278e-01
## ENSG00000112494 0.000000e+00      NA        NA        NA
## ENSG00000112499 8.475739e-01    2.3657872440 2.78344941 8.499480e-01
## ENSG00000112511 3.907328e+01    0.3075166251 0.37434501 8.214792e-01
## ENSG00000112514 1.150208e+03   -0.2235090015 0.08466178 -2.640022e+00
## ENSG00000112530 3.610576e+00   -0.2298034161 0.90017992 -2.552861e-01
## ENSG00000112531 3.055587e+03    0.1110749610 0.12700610 8.745640e-01
## ENSG00000112539 0.000000e+00      NA        NA        NA
## ENSG00000112541 1.926936e+01    0.2239451349 0.70741045 3.165703e-01
## ENSG00000112559 2.967527e+00   -2.5084296569 1.76979908 -1.417353e+00
## ENSG00000112561 8.690590e+01   -0.8629565914 0.30889476 -2.793691e+00
## ENSG00000112562 4.025739e+00   -0.9239025975 1.35939354 -6.796432e-01
## ENSG00000112576 6.466732e+02    1.0812219241 0.13532643 7.989732e+00
## ENSG00000112578 1.728690e+02   -0.0239696669 0.19433347 -1.233430e-01
## ENSG00000112584 5.504386e+02    0.0225049036 0.13188378 1.706419e-01
## ENSG00000112592 2.144077e+02    0.0671966244 0.19905101 3.375850e-01
## ENSG00000112599 6.419929e+00   -0.5055193741 0.86170576 -5.866496e-01
## ENSG00000112619 1.444791e+02   -0.4849317360 0.33551785 -1.445323e+00
## ENSG00000112624 5.138120e+02   -0.0998748237 0.11738246 -8.508496e-01

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## ENSG00000112640 1.204248e+03    0.0481776018 0.11862716  4.061262e-01
## ENSG00000112651 2.373779e+02    0.0191405757 0.14225711  1.345492e-01
## ENSG00000112655 7.914837e+03    -0.0470123148 0.09681884 -4.855699e-01
## ENSG00000112658 1.320567e+03    0.9568747967 0.14760943  6.482477e+00
## ENSG00000112659 6.941186e+02    -0.1782126766 0.15885474 -1.121859e+00
## ENSG00000112667 1.669376e+02    -0.0494771022 0.18133856 -2.728438e-01
## ENSG00000112679 7.557334e+02    0.4509309882 0.19192792  2.349481e+00
## ENSG00000112685 8.968296e+02    0.0197249518 0.15917221  1.239221e-01
## ENSG00000112695 6.753852e+02    0.2285541983 0.27139082  8.421589e-01
## ENSG00000112697 6.379909e+03    -0.0401841280 0.17610445 -2.281835e-01
## ENSG00000112699 3.333594e+02    -0.5619867135 0.18116438 -3.102082e+00
## ENSG00000112701 1.625024e+03    -0.1014277383 0.10779173 -9.409603e-01
## ENSG00000112706 1.160417e+01    0.3307039964 0.54384618  6.080837e-01
## ENSG00000112715 1.988248e+03    -1.0517037765 0.23085762 -4.555638e+00
## ENSG00000112739 1.658902e+03    0.0686174210 0.10278479  6.675834e-01
## ENSG00000112742 1.903604e+01    -0.4563300919 0.56136819 -8.128891e-01
## ENSG00000112759 6.771960e+02    -0.1658519703 0.15615601 -1.062092e+00
## ENSG00000112761 4.057894e+00    -0.6297904180 0.91622485 -6.873754e-01
## ENSG00000112763 5.474488e+02    0.1104541117 0.10637081  1.038387e+00
## ENSG00000112769 1.882534e+04    -0.1450852799 0.13770726 -1.053578e+00
## ENSG00000112773 5.259981e+02    -1.2209252210 0.15913664 -7.672182e+00
## ENSG00000112782 0.000000e+00      NA          NA          NA
## ENSG00000112787 5.142355e+02    0.6921376908 0.14955689  4.627922e+00
## ENSG00000112796 5.425430e+01    -0.6361055251 0.64771822 -9.820714e-01
## ENSG00000112799 0.000000e+00      NA          NA          NA
## ENSG00000112812 2.085123e+00    -0.3034968376 1.11450847 -2.723145e-01
## ENSG00000112818 0.000000e+00      NA          NA          NA
## ENSG00000112837 2.671198e+03    -1.6366638478 0.17753647 -9.218747e+00
## ENSG00000112851 2.709487e+03    0.3254733523 0.12981535  2.507202e+00
## ENSG00000112852 1.586982e+02    -0.0056466144 0.25523962 -2.212280e-02
## ENSG00000112855 5.144106e+02    0.0349611927 0.12865700  2.717395e-01
## ENSG00000112874 3.197993e+02    0.0410373082 0.20190500  2.032506e-01
## ENSG00000112877 1.975156e+01    -0.9773503253 0.43196689 -2.262558e+00
## ENSG00000112893 2.025338e+03    0.0685064312 0.11257948  6.085162e-01
## ENSG00000112902 4.612525e+03    -0.2690660514 0.36402616 -7.391393e-01
## ENSG00000112936 1.960888e+03    3.2846398345 0.59113579  5.556490e+00
## ENSG00000112941 4.945563e+02    -0.0527856577 0.10948530 -4.821255e-01
## ENSG00000112964 1.159465e+02    -0.0093727161 0.40083448 -2.338301e-02
## ENSG00000112972 3.191309e+02    -0.3950928948 0.14070935 -2.807865e+00
## ENSG00000112977 3.957024e+03    -0.1163734714 0.09764879 -1.191755e+00
## ENSG00000112981 3.714920e+01    -0.1488238327 0.42038380 -3.540190e-01
## ENSG00000112983 1.356631e+03    -0.1044620754 0.12073217 -8.652381e-01
## ENSG00000112984 4.360017e+01    -0.2697581268 0.46818060 -5.761839e-01
## ENSG00000112992 1.757943e+03    -0.1104320502 0.15154574 -7.287044e-01
## ENSG00000112996 4.944191e+02    -0.0958391219 0.13297475 -7.207317e-01
## ENSG00000113013 3.094595e+03    -0.1927410603 0.13623411 -1.414778e+00
## ENSG00000113048 1.090530e+03    -0.0825124368 0.11851644 -6.962109e-01
## ENSG00000113068 8.066830e+02    0.0150624954 0.14403013  1.045788e-01
## ENSG00000113070 1.122498e+01    -0.7140969837 0.49719249 -1.436259e+00
## ENSG00000113073 5.770104e-01    -2.5704282522 2.88179598 -8.919536e-01
## ENSG00000113083 1.452641e+04    0.4951977934 0.26291884  1.883463e+00
## ENSG00000113088 0.000000e+00      NA          NA          NA
## ENSG00000113100 5.868499e-01    -1.5124167409 2.39255108 -6.321356e-01
## ENSG00000113108 3.505780e+02    0.0696320629 0.15692435  4.437301e-01

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## ENSG00000113119 1.479050e+02    0.4917634871 0.20087281 2.448134e+00
## ENSG00000113140 3.137316e+04    -0.5650966120 0.11572040 -4.883293e+00
## ENSG00000113141 1.988371e+03    0.0708500751 0.11524798 6.147620e-01
## ENSG00000113161 3.814500e+02    -0.0768640274 0.16181895 -4.750002e-01
## ENSG00000113163 1.741885e+03    0.3463495038 0.18182273 1.904875e+00
## ENSG00000113194 1.634584e+03    0.0572306500 0.08665693 6.604278e-01
## ENSG00000113196 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000113205 2.786144e+01    0.5147205623 0.62368431 8.252902e-01
## ENSG00000113209 3.021975e+01    -0.6011775224 0.69068230 -8.704111e-01
## ENSG00000113211 1.646596e+01    0.2184947022 0.43600387 5.011302e-01
## ENSG00000113212 6.092218e+01    -0.5327738030 0.44539810 -1.196174e+00
## ENSG00000113231 4.233972e+01    -0.0544674142 0.31292518 -1.740589e-01
## ENSG00000113240 6.432974e+02    0.1265412237 0.17615631 7.183462e-01
## ENSG00000113248 2.335575e+01    -0.3521781916 0.42116011 -8.362097e-01
## ENSG00000113249 9.407547e-01    -3.2724294264 2.53482394 -1.290989e+00
## ENSG00000113262 8.599615e+00    -0.3743500663 0.80821791 -4.631796e-01
## ENSG00000113263 1.726418e+01    -0.6855255478 0.50043366 -1.369863e+00
## ENSG00000113269 1.274854e+03    0.0119946361 0.25849665 4.640152e-02
## ENSG00000113272 2.365932e+02    -0.3101291874 0.14975482 -2.070913e+00
## ENSG00000113273 1.697259e+03    0.0947350763 0.21114550 4.486720e-01
## ENSG00000113282 1.633658e+03    0.0799829245 0.10245289 7.806800e-01
## ENSG00000113296 4.049550e+01    -0.2911081139 0.31262553 -9.311719e-01
## ENSG00000113300 6.013601e+02    -0.1350912990 0.22021423 -6.134540e-01
## ENSG00000113302 3.069085e+00    0.1402851190 0.98537987 1.423665e-01
## ENSG00000113303 4.249823e-01    -1.0793023664 2.58025388 -4.182931e-01
## ENSG00000113312 6.939141e+02    0.0869818032 0.12229554 7.112426e-01
## ENSG00000113318 3.959079e+02    -0.1815667583 0.19946447 -9.102712e-01
## ENSG00000113319 4.553807e+02    -0.6674858643 0.40122124 -1.663635e+00
## ENSG00000113327 4.555087e-01    2.4103390133 3.47320448 6.939813e-01
## ENSG00000113328 5.144028e+03    -0.1655722607 0.13963232 -1.185773e+00
## ENSG00000113356 1.489049e+02    -0.4114270693 0.34948728 -1.177230e+00
## ENSG00000113360 1.229645e+03    0.1623446545 0.15179879 1.069473e+00
## ENSG00000113361 2.364639e+03    -1.2671106886 0.45818554 -2.765497e+00
## ENSG00000113368 5.127473e+01    -1.0540245205 0.33021315 -3.191952e+00
## ENSG00000113369 1.039536e+03    -0.3353914290 0.24402810 -1.374397e+00
## ENSG00000113384 3.010724e+03    0.2939230442 0.13155018 2.234304e+00
## ENSG00000113387 2.251341e+03    -0.2224560024 0.13773816 -1.615064e+00
## ENSG00000113389 4.582999e+03    0.9859171890 0.31767487 3.103542e+00
## ENSG00000113391 1.046473e+03    0.1386025781 0.11302679 1.226281e+00
## ENSG00000113396 1.155708e+01    1.4885014967 0.88002252 1.691436e+00
## ENSG00000113407 1.432659e+03    -0.3142731956 0.14308331 -2.196435e+00
## ENSG00000113430 4.164051e-01    2.2676627718 3.48234977 6.511875e-01
## ENSG00000113441 1.341487e+03    0.5647002266 0.16252773 3.474485e+00
## ENSG00000113448 3.971453e+02    0.6955320377 0.86096939 8.078476e-01
## ENSG00000113456 1.042060e+03    0.7950638506 0.10576114 7.517542e+00
## ENSG00000113460 5.043698e+02    0.9347278192 0.19510289 4.790948e+00
## ENSG00000113492 0.000000e+00      NA          NA          NA
## ENSG00000113494 4.936820e+00    -0.3267226176 1.05284889 -3.103224e-01
## ENSG00000113504 2.890697e+02    0.1351451823 0.28795472 4.693279e-01
## ENSG00000113520 6.188471e-01    0.6041764015 2.12398468 2.844542e-01
## ENSG00000113522 1.886268e+03    0.0304426957 0.11003875 2.766543e-01
## ENSG00000113525 1.277353e+00    -2.9010435824 2.19300161 -1.322864e+00
## ENSG00000113532 5.130424e+00    0.5801054569 0.78655703 7.375250e-01
## ENSG00000113552 1.601943e+03    -0.6257728173 0.12755084 -4.906066e+00

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## ENSG00000113555 3.488553e+01 -0.4340985751 0.68314310 -6.354431e-01
## ENSG00000113558 5.044880e+03 -0.0078471792 0.10883106 -7.210422e-02
## ENSG00000113569 4.686159e+02 0.0158580675 0.18175160 8.725133e-02
## ENSG00000113575 1.787530e+03 -0.0152893460 0.17966592 -8.509875e-02
## ENSG00000113578 1.837107e+02 0.9362792311 0.40865674 2.291114e+00
## ENSG00000113580 2.834965e+03 -0.9557779020 0.18266746 -5.232338e+00
## ENSG00000113583 1.577287e+03 0.0149144612 0.09724851 1.533644e-01
## ENSG00000113593 5.967741e+02 -0.1424969281 0.14013547 -1.016851e+00
## ENSG00000113594 6.982253e+02 0.1535617939 0.26684562 5.754705e-01
## ENSG00000113595 4.374347e+02 0.0764336127 0.13602600 5.619044e-01
## ENSG00000113597 2.815643e+02 -0.4914393882 0.14171535 -3.467792e+00
## ENSG00000113600 3.777836e+00 0.3340032829 0.86611121 3.856356e-01
## ENSG00000113615 1.044854e+03 0.1342051875 0.13059008 1.027683e+00
## ENSG00000113621 1.242397e+03 0.1061608029 0.15601060 6.804717e-01
## ENSG00000113638 1.817679e+02 -0.3349022085 0.16283962 -2.056638e+00
## ENSG00000113643 1.373602e+03 -0.1072012305 0.11682945 -9.175874e-01
## ENSG00000113645 1.319825e+02 0.8604915253 0.37649183 2.285552e+00
## ENSG00000113648 2.065746e+03 0.1105615290 0.15477034 7.143586e-01
## ENSG00000113649 8.486716e+02 -0.0744981866 0.13201417 -5.643196e-01
## ENSG00000113657 4.754060e+03 -0.5755718236 0.10790067 -5.334275e+00
## ENSG00000113658 1.976933e+03 -0.1410515480 0.13398642 -1.052730e+00
## ENSG00000113712 5.934532e+03 -0.0012219031 0.12807796 -9.540307e-03
## ENSG00000113716 1.071862e+03 -0.0153060970 0.12070832 -1.268023e-01
## ENSG00000113719 6.880157e+03 0.7799039441 0.12233894 6.374944e+00
## ENSG00000113721 2.058582e+04 0.3982573347 0.10923347 3.645928e+00
## ENSG00000113722 1.357982e+01 -0.4197915561 0.46050918 -9.115813e-01
## ENSG00000113732 3.530169e+03 0.3678295603 0.15194025 2.420883e+00
## ENSG00000113734 1.274005e+02 -0.2444725094 0.17465254 -1.399765e+00
## ENSG00000113739 1.722113e+04 1.1289083307 0.58126362 1.942162e+00
## ENSG00000113742 5.941139e+02 0.0128319645 0.17802469 7.207969e-02
## ENSG00000113749 1.334679e+00 -1.8435495552 3.27187404 -5.634537e-01
## ENSG00000113758 3.533793e+03 -0.1784805173 0.17599795 -1.014106e+00
## ENSG00000113761 2.756089e+02 0.1244722662 0.15365625 8.100697e-01
## ENSG00000113763 5.113881e-01 2.5295263436 3.46620533 7.297682e-01
## ENSG00000113790 1.592847e+02 0.2361433469 0.25178933 9.378608e-01
## ENSG00000113805 5.281444e+02 -0.0679871615 0.30349080 -2.240172e-01
## ENSG00000113810 9.997101e+02 -0.5475481523 0.16278535 -3.363620e+00
## ENSG00000113811 3.713111e+02 0.2645387633 0.16583182 1.595223e+00
## ENSG00000113812 6.313980e+02 -0.2542431732 0.10383253 -2.448589e+00
## ENSG00000113838 1.613742e+02 0.0300226102 0.15790578 1.901299e-01
## ENSG00000113845 1.117109e+03 0.1549871744 0.09657215 1.604885e+00
## ENSG00000113851 7.211332e+02 0.1085671491 0.14604873 7.433625e-01
## ENSG00000113889 3.602157e-01 -0.5489015440 3.31075132 -1.657936e-01
## ENSG00000113905 7.148568e+00 -0.0109053011 0.76711866 -1.421592e-02
## ENSG00000113916 1.870619e+03 0.8428550093 0.13538470 6.225630e+00
## ENSG00000113924 1.791917e+00 -0.1033238255 1.35861570 -7.605081e-02
## ENSG00000113946 1.092922e+00 1.9235925299 2.30656713 8.339634e-01
## ENSG00000113966 1.804919e+02 -0.2234754323 0.23205787 -9.630160e-01
## ENSG00000113971 8.090640e+02 0.0367936685 0.23890511 1.540096e-01
## ENSG00000114013 0.000000e+00 NA NA NA
## ENSG00000114019 3.733126e+03 0.8983723159 0.15940071 5.635937e+00
## ENSG00000114021 7.033564e+02 0.4532883692 0.09725607 4.660772e+00
## ENSG00000114023 7.271752e+02 -0.2556259942 0.16140007 -1.583803e+00
## ENSG00000114026 3.737226e+02 -0.1459073201 0.16485909 -8.850426e-01

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## ENSG00000114030 1.408259e+03    0.0319825649 0.13492285 2.370434e-01
## ENSG00000114054 3.809692e+02   -0.2829287142 0.21289437 -1.328963e+00
## ENSG00000114062 1.514771e+03    0.1011587812 0.14455131 6.998123e-01
## ENSG00000114098 9.860262e+02    1.0351564099 0.15176729 6.820682e+00
## ENSG00000114107 2.379850e+02    0.1682663043 0.20619847 8.160405e-01
## ENSG00000114113 8.561511e-01   -0.1755420125 1.75232522 -1.001766e-01
## ENSG00000114115 2.219600e+01   -1.0513482810 0.70071826 -1.500387e+00
## ENSG00000114120 2.087449e+03    0.1057627655 0.12559013 8.421264e-01
## ENSG00000114124 2.073860e+00    0.1459969856 1.17933094 1.237965e-01
## ENSG00000114125 7.238782e+02    0.1982886571 0.12891837 1.538095e+00
## ENSG00000114126 1.424188e+03    -0.3062131996 0.14835306 -2.064084e+00
## ENSG00000114127 1.637585e+03    0.0045608343 0.16804994 2.713976e-02
## ENSG00000114166 6.724256e+02   -0.0148257927 0.20623613 -7.188747e-02
## ENSG00000114200 5.912298e+01   -0.7362769137 0.68085886 -1.081394e+00
## ENSG00000114204 0.000000e+00      NA          NA          NA
## ENSG00000114209 4.689892e+02    0.2841077602 0.13038242 2.179034e+00
## ENSG00000114248 1.962848e-01   0.1733657147 3.53381154 4.905913e-02
## ENSG00000114251 4.658428e+03    -0.2801878008 0.62961929 -4.450115e-01
## ENSG00000114268 1.267197e+02   -0.3202543133 0.42572886 -7.522495e-01
## ENSG00000114270 1.600165e+03    1.2874459683 0.17815997 7.226348e+00
## ENSG00000114279 3.421801e+00   -0.0307266357 1.38298188 -2.221767e-02
## ENSG00000114302 1.189703e+03    -0.0791964397 0.09757622 -8.116367e-01
## ENSG00000114315 6.071017e-01   -2.6353278009 2.81311656 -9.368001e-01
## ENSG00000114316 1.383641e+03    0.1565087068 0.16447279 9.515781e-01
## ENSG00000114331 2.099015e+03    -0.2805079891 0.12483555 -2.247020e+00
## ENSG00000114346 3.949197e+02   -0.0188403235 0.14795806 -1.273356e-01
## ENSG00000114349 0.000000e+00      NA          NA          NA
## ENSG00000114353 6.816869e+03   -0.0227655821 0.05874093 -3.875591e-01
## ENSG00000114354 2.091466e+03    0.0934782311 0.09949560 9.395213e-01
## ENSG00000114374 1.023335e+03    0.0240449546 1.57039940 1.531136e-02
## ENSG00000114378 1.698810e+01   -0.1770673317 0.49364293 -3.586952e-01
## ENSG00000114383 3.391703e+02    0.3032353373 0.12186930 2.488201e+00
## ENSG00000114388 2.508971e+02   -0.3372713218 0.16321492 -2.066425e+00
## ENSG00000114391 6.500072e+03   -0.0165910435 0.14307424 -1.159611e-01
## ENSG00000114395 1.600649e+02   -0.0285943968 0.17328960 -1.650093e-01
## ENSG00000114405 1.207506e+02    0.2651094886 0.24061596 1.101795e+00
## ENSG00000114416 3.000818e+03   -0.0228486146 0.11455678 -1.994523e-01
## ENSG00000114423 6.718495e+02    0.3755014553 0.20645126 1.818838e+00
## ENSG00000114439 2.482233e+03    0.2641178254 0.16038698 1.646753e+00
## ENSG00000114446 8.376124e+02   -0.0409685151 0.12133089 -3.376594e-01
## ENSG00000114450 2.051248e+03    0.9490648278 0.15672888 6.055456e+00
## ENSG00000114455 4.021955e+00    0.2001461513 0.82754004 2.418568e-01
## ENSG00000114473 2.454246e+02   -0.1060478771 0.18128262 -5.849865e-01
## ENSG00000114480 3.619976e+03    0.3702814979 0.31485182 1.176050e+00
## ENSG00000114487 0.000000e+00      NA          NA          NA
## ENSG00000114491 3.447415e+02   -0.0085566271 0.17507891 -4.887297e-02
## ENSG00000114503 1.470888e+03   -0.0431277793 0.12148933 -3.549923e-01
## ENSG00000114520 3.756616e+02    0.2253402848 0.13355428 1.687256e+00
## ENSG00000114529 2.519064e+01   -0.0028297307 0.45917689 -6.162616e-03
## ENSG00000114541 9.849779e+00   -1.2699648986 0.59323691 -2.140738e+00
## ENSG00000114544 9.028062e+02    0.0363080005 0.14165920 2.563053e-01
## ENSG00000114547 7.390923e-01   -1.9064529910 1.97222226 -9.666522e-01
## ENSG00000114554 2.808926e+03   -0.0617133191 0.22097151 -2.792818e-01
## ENSG00000114573 2.117247e+03   -0.4111498085 0.22723913 -1.809327e+00

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## ENSG00000114626 1.014575e+03    0.5264763196 0.16342216 3.221572e+00
## ENSG00000114631 3.144047e+01    -0.4896299605 0.39328230 -1.244983e+00
## ENSG00000114638 5.147208e-01    -0.5392480781 2.52744748 -2.133568e-01
## ENSG00000114646 2.203928e+00    -0.9706170694 1.64431320 -5.902872e-01
## ENSG00000114648 3.950174e+02    0.1146353635 0.12971245 8.837653e-01
## ENSG00000114650 1.581257e+03    0.3200340181 0.07021981 4.557603e+00
## ENSG00000114654 4.963808e-01    -1.1722894302 2.51107797 -4.668471e-01
## ENSG00000114656 1.445996e+01    -0.0848889558 0.46319404 -1.832687e-01
## ENSG00000114670 1.838504e+02    -1.1081462149 0.20155390 -5.498014e+00
## ENSG00000114686 8.379892e+02    -0.0444663573 0.12847100 -3.461198e-01
## ENSG00000114698 2.241541e+03    0.4457077210 0.15635022 2.850701e+00
## ENSG00000114735 5.011192e+02    -0.3873704288 0.13606409 -2.846970e+00
## ENSG00000114737 5.129126e+01    0.0757649114 0.27370387 2.768134e-01
## ENSG00000114738 5.947748e+02    -0.1691340214 0.11939417 -1.416602e+00
## ENSG00000114739 1.018823e+02    0.1479178147 0.19867677 7.445149e-01
## ENSG00000114742 1.213037e+03    -0.0622249866 0.15403378 -4.039697e-01
## ENSG00000114744 5.430995e+02    0.2242227325 0.10840011 2.068473e+00
## ENSG00000114745 9.939355e+02    0.5421437887 0.10303894 5.261543e+00
## ENSG00000114757 1.446181e+01    -1.7435595698 0.61526919 -2.833816e+00
## ENSG00000114767 2.057626e+02    0.9648454411 0.19442478 4.962564e+00
## ENSG00000114770 1.136851e+03    0.3577859497 0.13511707 2.647970e+00
## ENSG00000114771 3.177523e+00    0.3237110999 0.98547497 3.284823e-01
## ENSG00000114779 9.674316e+02    0.1772018923 0.18104409 9.787776e-01
## ENSG00000114784 5.497565e+02    -0.0059721943 0.13720033 -4.352901e-02
## ENSG00000114786 1.153477e+01    -0.1230538132 0.64246504 -1.915339e-01
## ENSG00000114790 4.115017e+01    0.7297652225 0.45733980 1.595674e+00
## ENSG00000114796 1.275137e+03    0.0083691918 0.21637117 3.867979e-02
## ENSG00000114805 2.644503e+00    0.8154876315 1.60766872 5.072486e-01
## ENSG00000114812 4.164051e-01    2.2676627718 3.48234977 6.511875e-01
## ENSG00000114841 2.698007e+02    -0.1789687120 0.27803740 -6.436857e-01
## ENSG00000114850 2.864241e+03    0.3794098708 0.08850848 4.286706e+00
## ENSG00000114853 2.770852e+03    0.7320525629 0.10858295 6.741874e+00
## ENSG00000114854 2.987496e+00    0.3391038201 0.97438496 3.480183e-01
## ENSG00000114857 1.579610e+03    -0.1937630757 0.09983523 -1.940829e+00
## ENSG00000114859 6.514246e+01    -0.3446359445 0.29728074 -1.159295e+00
## ENSG00000114861 1.748622e+03    -0.3812248964 0.10838963 -3.517171e+00
## ENSG00000114867 7.948627e+03    0.3028449046 0.10050266 3.013302e+00
## ENSG00000114902 1.191517e+03    0.1094255512 0.10449911 1.047143e+00
## ENSG00000114904 4.473978e+02    -0.2325738982 0.20775223 -1.119477e+00
## ENSG00000114923 1.821304e+02    -0.0970189701 0.37080905 -2.616413e-01
## ENSG00000114933 3.836436e+02    0.0343941141 0.17368934 1.980209e-01
## ENSG00000114942 5.663295e+03    -0.0359214813 0.14716644 -2.440874e-01
## ENSG00000114948 5.844980e+02    0.4072193512 0.93551888 4.352872e-01
## ENSG00000114956 4.960170e+02    0.0676823322 0.10999784 6.153060e-01
## ENSG00000114978 2.924857e+03    0.2686989366 0.09878402 2.720065e+00
## ENSG00000114982 2.141601e+03    0.2976913832 0.17503901 1.700715e+00
## ENSG00000114988 4.404217e+02    0.0781712108 0.19142918 4.083558e-01
## ENSG00000114993 2.452012e+02    -0.2644469637 0.16175454 -1.634866e+00
## ENSG00000114999 1.323879e+03    0.0469624412 0.12496026 3.758190e-01
## ENSG00000115008 3.186941e-01    -1.7304205930 3.49374139 -4.952916e-01
## ENSG00000115009 1.216992e+00    2.1529053144 2.53204499 8.502635e-01
## ENSG00000115020 1.343087e+03    0.1930712695 0.13486111 1.431630e+00
## ENSG00000115041 1.336644e+02    0.0659869300 0.28898679 2.283389e-01
## ENSG00000115042 3.643250e+02    -0.1416202163 0.11969473 -1.183178e+00

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## ENSG00000115053 8.799765e+03 -0.0253079443 0.13911469 -1.819214e-01
## ENSG00000115073 8.491948e+02 0.0913592083 0.10983147 8.318127e-01
## ENSG00000115084 1.715214e+03 0.6061102565 0.18012765 3.364893e+00
## ENSG00000115085 6.383331e-01 -2.7241024348 3.43927860 -7.920563e-01
## ENSG00000115091 3.671457e+03 0.5257358921 0.14624467 3.594906e+00
## ENSG00000115107 3.555581e+02 -0.0838364138 0.73466629 -1.141150e-01
## ENSG00000115109 7.910861e+02 0.3122827136 0.14138861 2.208684e+00
## ENSG00000115112 1.010944e+00 0.3077702937 1.51206066 2.035436e-01
## ENSG00000115128 6.753127e+02 -0.0056094701 0.12952019 -4.330962e-02
## ENSG00000115129 7.999385e+02 -0.3143296560 0.11467952 -2.740940e+00
## ENSG00000115137 1.464091e+02 -0.4781638752 0.22344141 -2.139997e+00
## ENSG00000115138 2.146900e+00 -0.1730053763 1.21515749 -1.423728e-01
## ENSG00000115145 9.667382e+02 -0.0090588342 0.12079819 -7.499147e-02
## ENSG00000115155 1.203982e+00 2.0122647998 2.21779295 9.073276e-01
## ENSG00000115159 7.584583e+02 0.3447320746 0.22481893 1.533377e+00
## ENSG00000115163 9.243109e+00 0.2059117062 0.58547400 3.517009e-01
## ENSG00000115165 3.028312e-01 -0.5099340604 3.52871903 -1.445097e-01
## ENSG00000115170 1.593195e+03 -0.0610912127 0.09499513 -6.430984e-01
## ENSG00000115183 1.158983e+03 -0.4429048474 0.16053777 -2.758882e+00
## ENSG00000115194 1.230533e+01 0.6061805928 0.58991133 1.027579e+00
## ENSG00000115204 1.117074e+03 -0.1009038719 0.09331530 -1.081322e+00
## ENSG00000115207 8.131731e+02 -0.0857455008 0.11700781 -7.328186e-01
## ENSG00000115211 6.228685e+02 0.1439876191 0.12139030 1.186154e+00
## ENSG00000115216 2.184715e+03 0.0338500354 0.08293543 4.081493e-01
## ENSG00000115221 4.448502e+00 -0.4545543539 1.59541533 -2.849129e-01
## ENSG00000115226 4.879840e+02 0.0492666182 0.11522366 4.275738e-01
## ENSG00000115232 2.384200e+03 0.4391094055 0.36779037 1.193912e+00
## ENSG00000115233 7.399421e+02 0.1523735458 0.12306308 1.238174e+00
## ENSG00000115234 2.037827e+03 0.0333805908 0.10202439 3.271825e-01
## ENSG00000115239 5.153382e+02 0.0803653982 0.14808695 5.426906e-01
## ENSG00000115241 1.254088e+03 0.0436415984 0.08927127 4.888650e-01
## ENSG00000115252 3.909649e+02 0.4034589555 0.41606557 9.697004e-01
## ENSG00000115255 6.132888e+01 0.6544534808 0.28079377 2.330726e+00
## ENSG00000115257 5.428092e+01 -0.1505133173 0.33215581 -4.531407e-01
## ENSG00000115263 5.954148e-01 2.7663630307 2.87588570 9.619169e-01
## ENSG00000115266 1.250788e+02 0.3845805991 0.16352808 2.351771e+00
## ENSG00000115267 1.844364e+02 -0.4087263223 0.26300067 -1.554089e+00
## ENSG00000115268 4.698524e+03 -0.0335473645 0.11515764 -2.913169e-01
## ENSG00000115271 1.166745e+02 0.3533604337 0.22692329 1.557180e+00
## ENSG00000115274 2.119922e+02 -0.0465411242 0.18311229 -2.541671e-01
## ENSG00000115275 8.361567e+02 0.2011222606 0.14505560 1.386518e+00
## ENSG00000115282 3.880151e+02 -0.0924200921 0.15114806 -6.114541e-01
## ENSG00000115286 4.980656e+02 -0.1544169687 0.16712579 -9.239565e-01
## ENSG00000115289 1.891221e+02 -0.2982821386 0.19325980 -1.543426e+00
## ENSG00000115290 5.274401e+01 1.0239322587 0.61657317 1.660682e+00
## ENSG00000115295 1.816431e+03 0.3601480179 0.17543326 2.052906e+00
## ENSG00000115297 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000115306 1.214660e+04 0.1745147340 0.12350996 1.412961e+00
## ENSG00000115307 1.416191e+03 0.4339254998 0.12931740 3.355507e+00
## ENSG00000115310 1.639844e+04 0.1648049438 0.15080959 1.092801e+00
## ENSG00000115317 3.194071e+02 0.0323584244 0.14975226 2.160797e-01
## ENSG00000115318 5.482122e+02 -0.1132617847 0.25930969 -4.367819e-01
## ENSG00000115325 3.812066e+02 0.1640129912 0.10732630 1.528172e+00
## ENSG00000115339 2.469111e+01 0.4665454846 0.41215826 1.131957e+00

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## ENSG00000115350 2.567171e+02    0.1639391519 0.13834803 1.184976e+00
## ENSG00000115353 7.163980e-01   -1.9567672575 2.88087235 -6.792273e-01
## ENSG00000115355 1.325683e+03   -0.1528832392 0.24515798 -6.236111e-01
## ENSG00000115361 1.732456e+01    0.7786398497 0.58528067 1.330370e+00
## ENSG00000115363 8.089223e+01   -0.1342499173 0.25285616 -5.309339e-01
## ENSG00000115364 5.091440e+02   -0.1282315115 0.12175324 -1.053208e+00
## ENSG00000115365 1.526819e+03   -0.0208523397 0.12419750 -1.678966e-01
## ENSG00000115368 6.163930e+02   -0.0624668007 0.09261495 -6.744786e-01
## ENSG00000115380 2.241306e+04    0.0734253123 0.26534851 2.767127e-01
## ENSG00000115386 0.000000e+00      NA       NA       NA
## ENSG00000115392 1.579559e+02   -0.2072148310 0.20224890 -1.024554e+00
## ENSG00000115414 3.292804e+05    0.0878637679 0.26765873 3.282679e-01
## ENSG00000115415 7.561557e+03    0.4057038784 0.26470385 1.532671e+00
## ENSG00000115419 4.336313e+03    1.0513541016 0.17807396 5.904031e+00
## ENSG00000115421 3.698954e+02    0.0471607996 0.17937709 2.629143e-01
## ENSG00000115423 8.053782e+00    0.0994633582 0.98101957 1.013877e-01
## ENSG00000115425 1.152320e+02   -0.3671194913 0.18358317 -1.999745e+00
## ENSG00000115446 6.280951e+02    0.1678367984 0.12640737 1.327745e+00
## ENSG00000115457 1.930511e+03    2.0773486857 0.86699889 2.396022e+00
## ENSG00000115459 3.896582e+02   -0.0334434881 0.16180461 -2.066906e-01
## ENSG00000115461 1.763170e+05   -0.2150480751 0.36255824 -5.931408e-01
## ENSG00000115464 3.614220e+03    0.1064034105 0.14844252 7.167987e-01
## ENSG00000115468 8.679567e+00    2.1061755625 1.17325413 1.795157e+00
## ENSG00000115474 1.734407e+00    2.7113947817 1.89877024 1.427974e+00
## ENSG00000115484 1.890017e+03   -0.0258587244 0.09510393 -2.718996e-01
## ENSG00000115486 1.091438e+03   -0.1108591360 0.13130409 -8.442931e-01
## ENSG00000115488 0.000000e+00      NA       NA       NA
## ENSG00000115504 4.991765e+03   -0.2955935524 0.14392038 -2.053869e+00
## ENSG00000115507 1.784863e+01   -0.5462509599 1.25984650 -4.335853e-01
## ENSG00000115514 4.576302e+02    0.3181426557 0.11710575 2.716712e+00
## ENSG00000115520 5.092700e+02    0.0619513256 0.12241422 5.060795e-01
## ENSG00000115523 2.075829e+00    0.3924041649 1.15099501 3.409260e-01
## ENSG00000115524 7.724907e+03   -0.0621681622 0.08925095 -6.965546e-01
## ENSG00000115525 3.670093e+02   -0.1404487262 0.15809070 -8.884060e-01
## ENSG00000115526 1.650577e+02   -0.3063562485 0.16812267 -1.822219e+00
## ENSG00000115539 1.154904e+02    0.3468249850 0.17720048 1.957246e+00
## ENSG00000115540 5.508660e+02    0.3536888676 0.18840587 1.877271e+00
## ENSG00000115541 6.092006e+02   -0.2467792167 0.15509132 -1.591187e+00
## ENSG00000115548 1.319583e+03    0.3346040442 0.14761274 2.266769e+00
## ENSG00000115556 1.603441e+02   -0.2872746799 0.22139548 -1.297563e+00
## ENSG00000115561 3.056763e+03   -0.1424756164 0.09284520 -1.534550e+00
## ENSG00000115568 4.930393e+02    0.1698730582 0.13565420 1.252251e+00
## ENSG00000115590 2.913476e+00    1.1909379106 1.16115792 1.025647e+00
## ENSG00000115592 1.521835e+00   -1.6139107088 1.51468930 -1.065506e+00
## ENSG00000115593 0.000000e+00      NA       NA       NA
## ENSG00000115594 1.196964e+04    0.2326414440 0.15687528 1.482971e+00
## ENSG00000115596 0.000000e+00      NA       NA       NA
## ENSG00000115598 2.635440e+01   -0.5033898197 0.42894313 -1.173558e+00
## ENSG00000115602 9.028195e+00    0.6635477311 0.74048705 8.960963e-01
## ENSG00000115604 3.175974e+01   -0.1002177675 0.63646508 -1.574600e-01
## ENSG00000115607 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000115616 1.962848e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000115641 4.545916e+03    0.2929525800 0.16708600 1.753304e+00
## ENSG00000115648 6.943219e+01   -0.5711264012 0.61690089 -9.257993e-01

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## ENSG00000115649 1.057546e+03 0.3332105913 0.21583401 1.543828e+00
## ENSG00000115652 6.799256e+02 0.2945884855 0.15715615 1.874495e+00
## ENSG00000115657 3.969751e+02 -0.0569028509 0.30191416 -1.884736e-01
## ENSG00000115661 4.986721e+02 0.0918505998 0.13415402 6.846653e-01
## ENSG00000115665 2.121478e-01 -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000115677 2.369568e+04 -0.1093899698 0.07337152 -1.490905e+00
## ENSG00000115685 8.872919e+02 -0.1079018008 0.11116451 -9.706498e-01
## ENSG00000115687 6.518298e+01 0.3339443582 0.24394282 1.368945e+00
## ENSG00000115694 1.536869e+03 0.0499638388 0.12823801 3.896180e-01
## ENSG00000115705 1.665104e+00 0.0375988257 1.31233225 2.865039e-02
## ENSG00000115718 4.572377e-01 0.1027678301 2.58669564 3.972939e-02
## ENSG00000115738 1.425999e+03 0.1921343526 0.18011101 1.066755e+00
## ENSG00000115750 3.390432e+02 -0.1131491143 0.20047035 -5.644182e-01
## ENSG00000115756 2.924788e+02 0.0662449315 0.16347165 4.052380e-01
## ENSG00000115758 4.442275e+02 0.1512264317 0.14672717 1.030664e+00
## ENSG00000115760 3.190651e+03 0.3004006171 0.11612623 2.586846e+00
## ENSG00000115761 5.039699e+02 0.0794327089 0.11758646 6.755260e-01
## ENSG00000115762 1.411154e+03 0.1096616348 0.10928372 1.003458e+00
## ENSG00000115806 2.056455e+03 -0.1817440827 0.11519029 -1.577773e+00
## ENSG00000115808 8.223741e+02 -0.0525156610 0.13294446 -3.950195e-01
## ENSG00000115816 7.879722e+02 0.0871376608 0.10995824 7.924614e-01
## ENSG00000115825 1.908792e+03 -0.0150999575 0.12312316 -1.226411e-01
## ENSG00000115827 4.184526e+02 -0.0640818057 0.16187171 -3.958802e-01
## ENSG00000115828 3.466775e+02 1.1308457897 0.30928077 3.656373e+00
## ENSG00000115839 2.738187e+03 -0.0293418636 0.07450280 -3.938357e-01
## ENSG00000115840 4.757782e+02 0.3736469444 0.18115392 2.062594e+00
## ENSG00000115841 1.823722e+02 0.7560088835 0.17054856 4.432807e+00
## ENSG00000115844 1.164358e+00 1.1968194156 1.79736705 6.658737e-01
## ENSG00000115850 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000115866 1.646281e+03 0.0061299975 0.14693367 4.171949e-02
## ENSG00000115875 8.187595e+02 -0.0291005538 0.12373169 -2.351908e-01
## ENSG00000115884 4.306032e+02 -0.9732147034 0.21480996 -4.530585e+00
## ENSG00000115896 3.977801e+02 0.3578073230 0.23750708 1.506512e+00
## ENSG00000115902 1.648678e+02 -0.2488952611 0.30073116 -8.276338e-01
## ENSG00000115904 3.262467e+03 0.1155142525 0.18054428 6.398112e-01
## ENSG00000115919 1.030390e+02 -0.1395850357 0.30436683 -4.586079e-01
## ENSG00000115935 1.526947e+03 0.0936249772 0.10376395 9.022881e-01
## ENSG00000115942 3.145304e+02 -0.0945043893 0.16460900 -5.741144e-01
## ENSG00000115944 1.482826e+03 -0.0442641140 0.12114844 -3.653709e-01
## ENSG00000115946 2.253522e+02 0.5621367524 0.28443400 1.976335e+00
## ENSG00000115947 5.189439e+02 -0.1122966851 0.16034762 -7.003327e-01
## ENSG00000115956 1.585419e+00 -0.8540839977 1.45578404 -5.866832e-01
## ENSG00000115963 1.756607e+04 -0.7509369011 0.15271985 -4.917088e+00
## ENSG00000115966 9.602703e+02 -0.0504586981 0.09227709 -5.468172e-01
## ENSG00000115970 7.559995e+02 0.1400015123 0.29269279 4.783224e-01
## ENSG00000115977 1.213839e+03 -0.0390290779 0.10963612 -3.559874e-01
## ENSG00000115993 5.279446e+03 0.8764746915 0.16935029 5.175513e+00
## ENSG00000115998 1.881854e+02 -0.4178133017 0.16189117 -2.580828e+00
## ENSG00000116001 1.408014e+03 -0.6523746618 0.12642195 -5.160296e+00
## ENSG00000116005 8.451837e+03 0.4472173719 0.19029686 2.350104e+00
## ENSG00000116014 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000116016 2.250990e+04 -0.6746756456 0.19604922 -3.441358e+00
## ENSG00000116017 4.416972e+02 0.1594403353 0.24730177 6.447198e-01
## ENSG00000116030 1.557413e+03 -0.0653398757 0.09748543 -6.702527e-01

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## ENSG00000116031	0.000000e+00	NA	NA	NA
## ENSG00000116032	5.614207e+01	-0.3476201831	0.26861945	-1.294099e+00
## ENSG00000116035	1.411531e+01	0.5622163056	0.45897661	1.224935e+00
## ENSG00000116039	1.731748e+01	0.2854721246	0.54491665	5.238822e-01
## ENSG00000116044	6.578919e+03	0.0646155010	0.17801521	3.629774e-01
## ENSG00000116062	1.074849e+03	0.1905068307	0.09404965	2.025598e+00
## ENSG00000116095	4.206050e+02	0.3327268030	0.20073185	1.657569e+00
## ENSG00000116096	3.317591e+02	0.2733425932	0.14433441	1.893815e+00
## ENSG00000116106	2.875182e+02	1.3086263688	0.40278848	3.248917e+00
## ENSG00000116117	2.252567e+03	0.5610977130	0.23422232	2.395577e+00
## ENSG00000116120	4.363084e+02	0.0729525767	0.14018781	5.203917e-01
## ENSG00000116127	3.860728e+02	0.0143151504	0.24247828	5.903683e-02
## ENSG00000116128	4.916661e+02	-0.6318010380	0.17095047	-3.695813e+00
## ENSG00000116132	5.567241e+03	-0.7586880391	0.10433365	-7.271748e+00
## ENSG00000116133	5.171658e+03	0.8814356821	0.34896767	2.525838e+00
## ENSG00000116138	6.396279e+02	0.2612346727	0.20502419	1.274165e+00
## ENSG00000116141	5.689081e+01	0.7515977621	0.64625461	1.163006e+00
## ENSG00000116147	8.945507e+00	0.0113484858	0.68477777	1.657251e-02
## ENSG00000116151	7.466312e+01	-0.2713871781	0.26052215	-1.041705e+00
## ENSG00000116157	2.190262e+02	-0.1704695695	0.35930997	-4.744360e-01
## ENSG00000116161	7.377151e+02	-0.3719190340	0.11602399	-3.205536e+00
## ENSG00000116171	3.048546e+03	-0.2493242568	0.08519005	-2.926683e+00
## ENSG00000116176	1.060739e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000116183	6.599218e+01	0.1224145932	0.65138341	1.879302e-01
## ENSG00000116191	2.485845e+03	-0.4837248154	0.20802626	-2.325306e+00
## ENSG00000116194	2.462682e+02	2.1275998523	0.44999453	4.728057e+00
## ENSG00000116198	5.963811e+02	0.1952408644	0.17984288	1.085619e+00
## ENSG00000116199	1.824882e+03	0.2908236019	0.16183188	1.797072e+00
## ENSG00000116205	4.689556e+02	0.0924656697	0.16702914	5.535900e-01
## ENSG00000116209	4.352300e+03	0.1188245455	0.12008422	9.895101e-01
## ENSG00000116212	5.723482e+02	0.2925276783	0.10265744	2.849552e+00
## ENSG00000116213	3.129157e+02	0.1604577175	0.21557044	7.443401e-01
## ENSG00000116218	0.000000e+00	NA	NA	NA
## ENSG00000116221	8.795970e+02	0.0194073305	0.08955744	2.167026e-01
## ENSG00000116237	2.567685e+03	0.0443219137	0.12509199	3.543146e-01
## ENSG00000116251	8.419666e+03	-0.1146712111	0.14424323	-7.949851e-01
## ENSG00000116254	1.208923e+01	0.8941343725	0.62494847	1.430733e+00
## ENSG00000116260	2.056774e+05	0.0379211154	0.12359635	3.068142e-01
## ENSG00000116266	8.735510e+02	0.0809828008	0.14519670	5.577455e-01
## ENSG00000116273	6.446972e+02	0.1959074625	0.13853545	1.414132e+00
## ENSG00000116285	3.268632e+03	2.4402197689	0.22939173	1.063778e+01
## ENSG00000116288	2.283248e+03	0.0506708656	0.11405260	4.442763e-01
## ENSG00000116299	4.565070e+01	-1.2194779440	0.45245771	-2.695231e+00
## ENSG00000116329	1.682565e+01	-0.3402611171	0.43908917	-7.749249e-01
## ENSG00000116337	1.036312e+03	-0.3045040620	0.16813786	-1.811038e+00
## ENSG00000116350	1.553411e+03	0.1155560764	0.11502919	1.004580e+00
## ENSG00000116353	2.311641e+02	-0.0015596189	0.19113056	-8.159966e-03
## ENSG00000116396	1.544847e+02	0.0392196888	0.28405403	1.380712e-01
## ENSG00000116406	1.697469e+03	0.3271045827	0.13402603	2.440605e+00
## ENSG00000116455	5.025527e+02	0.5047580274	0.12236574	4.124995e+00
## ENSG00000116459	1.807962e+03	0.0031557333	0.09445884	3.340855e-02
## ENSG00000116473	1.017712e+03	0.0419970733	0.09706986	4.326479e-01
## ENSG00000116478	1.424992e+03	0.0609166178	0.12894733	4.724147e-01
## ENSG00000116489	3.107611e+03	0.1195011918	0.12528206	9.538572e-01

```

## ENSG00000116497 6.212621e+02    0.0879398365 0.14760138  5.957928e-01
## ENSG00000116514 1.820431e+02   -0.3488080099 0.19073588 -1.828749e+00
## ENSG00000116521 5.456433e+02    0.1856662438 0.11532907  1.609882e+00
## ENSG00000116525 1.908719e+02    0.1159725745 0.26458223  4.383234e-01
## ENSG00000116539 2.550222e+03   -0.2423878449 0.15515171 -1.562263e+00
## ENSG00000116544 3.057841e+00   -1.2567154153 0.98398787 -1.277166e+00
## ENSG00000116560 3.398531e+03    0.0935436677 0.11972462  7.813236e-01
## ENSG00000116574 2.987813e+02   -0.0434432437 0.93400959 -4.651263e-02
## ENSG00000116580 1.069467e+03   -0.0359323014 0.12593808 -2.853172e-01
## ENSG00000116584 2.277913e+03   -1.0347007724 0.06509844 -1.589440e+01
## ENSG00000116586 4.029931e+02   -0.0660189669 0.10699559 -6.170251e-01
## ENSG00000116604 1.676291e+03    0.3040808976 0.11131970  2.731600e+00
## ENSG00000116641 2.827277e+03   -0.0247550135 0.16022433 -1.545022e-01
## ENSG00000116649 1.261850e+03    0.7957738205 0.16057173  4.955877e+00
## ENSG00000116661 4.450011e+01    0.2997565578 0.32071337  9.346556e-01
## ENSG00000116663 1.222669e+02    0.0227259955 0.23961424  9.484409e-02
## ENSG00000116667 2.837461e+03    0.8986131009 0.38946301  2.307313e+00
## ENSG00000116668 1.755759e+02   -0.2022452513 0.20989951 -9.635337e-01
## ENSG00000116670 3.421541e+02    0.2600784155 0.12835756  2.026203e+00
## ENSG00000116675 5.513485e+01    1.6902928970 0.54927912  3.077293e+00
## ENSG00000116678 8.744386e+02    0.3951634140 0.28470907  1.387955e+00
## ENSG00000116679 7.371506e+02   -0.6932372351 0.18540775 -3.738987e+00
## ENSG00000116685 1.196449e+03    0.1892013717 0.09655869  1.959444e+00
## ENSG00000116688 2.727431e+03   -0.1405839198 0.08521368 -1.649781e+00
## ENSG00000116690 2.617562e+01    1.7423225892 0.64340089  2.707989e+00
## ENSG00000116691 2.077083e+02    0.4196471812 0.23981092  1.749909e+00
## ENSG00000116698 1.027354e+03   -0.0929555576 0.13200488 -7.041827e-01
## ENSG00000116701 4.033912e+00   -0.3782764086 0.90986555 -4.157498e-01
## ENSG00000116703 7.868368e-01   -2.1203404794 2.23922915 -9.469064e-01
## ENSG00000116704 6.369694e+02    0.8768807028 0.14933265  5.871996e+00
## ENSG00000116711 1.120509e+02   -2.4845929337 0.41924526 -5.926347e+00
## ENSG00000116717 1.500261e+03    0.1269526801 0.17854813  7.110278e-01
## ENSG00000116721 1.249215e+00   3.8554086684 3.41677280  1.128377e+00
## ENSG00000116726 6.778304e-01   1.9624770000 3.45793653  5.675283e-01
## ENSG00000116729 3.854487e+03   -0.2261942449 0.25419380 -8.898496e-01
## ENSG00000116731 1.197039e+03    0.2133956189 0.11448301  1.863994e+00
## ENSG00000116741 1.947120e+02    0.0547161143 0.39542449  1.383731e-01
## ENSG00000116745 0.000000e+00      NA        NA        NA
## ENSG00000116747 8.658415e+02    0.2530967989 0.15987466  1.583095e+00
## ENSG00000116748 0.000000e+00      NA        NA        NA
## ENSG00000116750 3.247444e+02   -0.0360871890 0.14351957 -2.514444e-01
## ENSG00000116752 3.666021e+02   -0.2085823325 0.11553778 -1.805317e+00
## ENSG00000116754 4.601636e+03    0.0728100345 0.13743811  5.297660e-01
## ENSG00000116761 5.249069e+01    0.6974678945 0.30888769  2.257998e+00
## ENSG00000116771 1.517614e+01    0.2190794056 0.52243651  4.193417e-01
## ENSG00000116774 3.831332e+03    0.1604578342 0.10446680  1.535970e+00
## ENSG00000116783 9.126998e+00   -0.6122242065 0.86967807 -7.039665e-01
## ENSG00000116785 4.064922e+00   -0.3876544204 0.81138194 -4.777706e-01
## ENSG00000116786 3.756990e+03    0.1748191298 0.10844002  1.612127e+00
## ENSG00000116791 4.804079e+02   -0.2273023225 0.21334653 -1.065414e+00
## ENSG00000116793 5.654103e+02    0.2322970833 0.18440547  1.259708e+00
## ENSG00000116809 4.030474e+02   -0.1027378285 0.19942253 -5.151766e-01
## ENSG00000116815 7.025268e+01    0.0913304420 0.23862705  3.827330e-01
## ENSG00000116819 1.657400e+01   -0.5295298985 0.46844137 -1.130408e+00

```

```

## ENSG00000116824 4.450819e-01 -0.6350145129 3.15247936 -2.014334e-01
## ENSG00000116830 3.003721e+02 -0.6764021840 0.24012604 -2.816863e+00
## ENSG00000116833 2.376928e+00 -0.3543891857 1.24157786 -2.854345e-01
## ENSG00000116852 2.063969e+00 0.8203849230 1.18435257 6.926864e-01
## ENSG00000116857 8.431019e+02 -0.2472368455 0.17377156 -1.422769e+00
## ENSG00000116863 3.760130e+02 0.0717423216 0.12971049 5.530958e-01
## ENSG00000116871 3.117808e+03 0.0432685177 0.19647455 2.202245e-01
## ENSG00000116874 3.517001e+02 -0.2169331528 0.21145172 -1.025923e+00
## ENSG00000116882 3.352438e-01 -1.7946178462 3.31505278 -5.413542e-01
## ENSG00000116885 1.083841e+02 -0.3713596812 0.20348573 -1.824991e+00
## ENSG00000116898 6.327240e+02 0.0335254522 0.12581749 2.664610e-01
## ENSG00000116903 4.082873e+02 0.2469558680 0.11907047 2.074031e+00
## ENSG00000116906 8.859246e+02 0.2835221557 0.16264069 1.743242e+00
## ENSG00000116918 8.270085e+02 0.0578320714 0.13022499 4.440935e-01
## ENSG00000116922 3.182312e+02 0.0744606214 0.13767610 5.408391e-01
## ENSG00000116954 1.451022e+03 0.2501368050 0.16388974 1.526251e+00
## ENSG00000116957 2.120146e+02 -0.1314709354 0.19338313 -6.798470e-01
## ENSG00000116962 9.623146e+03 1.5708637847 0.26067890 6.026049e+00
## ENSG00000116977 1.351583e+03 0.1575128033 0.15356120 1.025733e+00
## ENSG00000116981 0.000000e+00 NA NA NA
## ENSG00000116983 1.962848e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000116984 1.886546e+03 0.0187423260 0.25460939 7.361208e-02
## ENSG00000116985 1.395254e+01 0.4145423819 0.52493344 7.897047e-01
## ENSG00000116990 3.850773e+00 -0.4144990239 0.91758233 -4.517295e-01
## ENSG00000116991 1.319487e+02 -3.0500988573 0.57906853 -5.267250e+00
## ENSG00000116996 0.000000e+00 NA NA NA
## ENSG00000117000 6.114211e+02 0.1160191110 0.14222105 8.157661e-01
## ENSG00000117009 9.423168e+00 -0.1569709771 0.61905208 -2.535667e-01
## ENSG00000117010 6.132321e+01 0.0636651655 0.22376730 2.845151e-01
## ENSG00000117013 4.242332e+00 1.3067596266 1.02468438 1.275280e+00
## ENSG00000117016 6.814006e+01 0.0221992949 0.56087851 3.957951e-02
## ENSG00000117020 1.244930e+03 0.3425759072 0.21409133 1.600139e+00
## ENSG00000117036 5.357922e+02 0.1460332010 0.10144507 1.439530e+00
## ENSG00000117054 4.596565e+02 0.2400035982 0.17715902 1.354735e+00
## ENSG00000117069 1.403613e+01 -0.1534386371 0.58891074 -2.605465e-01
## ENSG00000117090 0.000000e+00 NA NA NA
## ENSG00000117091 0.000000e+00 NA NA NA
## ENSG00000117114 2.109241e+03 -0.2468829227 0.29275455 -8.433103e-01
## ENSG00000117115 4.909771e+00 -0.3230274530 0.99350615 -3.251389e-01
## ENSG00000117118 7.674217e+02 0.0367642837 0.15478743 2.375147e-01
## ENSG00000117122 7.060314e+02 -0.7158664160 0.17223046 -4.156445e+00
## ENSG00000117133 3.656133e+02 0.0959315555 0.14110047 6.798812e-01
## ENSG00000117139 2.014140e+03 -0.1260034149 0.13948500 -9.033474e-01
## ENSG00000117143 1.603241e+03 0.6410943852 0.10759010 5.958674e+00
## ENSG00000117148 5.838177e+00 -2.5574873880 1.67628090 -1.525691e+00
## ENSG00000117151 6.741401e+02 0.0599291313 0.22587421 2.653208e-01
## ENSG00000117152 1.153436e+02 -1.1764380765 0.46200341 -2.546384e+00
## ENSG00000117153 8.333460e+02 -0.0421932542 0.09514913 -4.434434e-01
## ENSG00000117154 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000117155 6.162287e+02 -0.5034928190 0.25622219 -1.965063e+00
## ENSG00000117174 7.065172e+02 0.1362589932 0.16376386 8.320456e-01
## ENSG00000117215 1.903164e+00 0.3744780492 1.42473160 2.628411e-01
## ENSG00000117222 5.043585e+02 -0.2515337046 0.10664334 -2.358644e+00
## ENSG00000117226 4.859732e+02 -0.5035486960 0.87467132 -5.757005e-01

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## ENSG00000117228 1.110643e+03    0.1992537004 0.21999913 9.057022e-01
## ENSG00000117245 3.637401e+01    0.4668409933 0.53411334 8.740486e-01
## ENSG00000117262 3.693551e+02    -0.0774005590 0.14363573 -5.388670e-01
## ENSG00000117266 8.201329e+01    -0.7353400650 0.52581863 -1.398467e+00
## ENSG00000117280 1.185461e+03    0.4973891856 0.12895448 3.857091e+00
## ENSG00000117281 2.153319e+01    0.1126030984 0.46321316 2.430913e-01
## ENSG00000117298 7.382492e+03    0.2315530422 0.10875480 2.129129e+00
## ENSG00000117305 6.641834e+02    -0.0469189082 0.09341137 -5.022826e-01
## ENSG00000117308 8.607948e+01    -0.0152182045 0.30292376 -5.023774e-02
## ENSG00000117318 5.809326e+01    0.1293850327 0.31623051 4.091478e-01
## ENSG00000117322 6.689246e+00    -0.2268182355 0.75822832 -2.991424e-01
## ENSG00000117335 5.104155e+03    -0.0003792770 0.16824344 -2.254334e-03
## ENSG00000117360 5.615038e+02    0.0090776700 0.12263268 7.402325e-02
## ENSG00000117362 2.162187e+03    0.1217989504 0.13829598 8.807122e-01
## ENSG00000117385 1.441492e+03    -0.3094270045 0.14257978 -2.170203e+00
## ENSG00000117394 2.577246e+03    0.4464486088 0.28961105 1.541545e+00
## ENSG00000117395 5.763694e+02    0.2382983094 0.16142627 1.476205e+00
## ENSG00000117399 3.272052e+01    -0.1694141862 0.44809038 -3.780804e-01
## ENSG00000117400 4.881795e-01    0.1390051606 3.10301510 4.479680e-02
## ENSG00000117407 6.228583e+00    -0.0442762032 0.82376556 -5.374855e-02
## ENSG00000117408 7.723840e+02    0.1913854821 0.14298953 1.338458e+00
## ENSG00000117410 6.524865e+02    0.4024766481 0.15897726 2.531662e+00
## ENSG00000117411 1.086551e+03    -0.2606085821 0.12094822 -2.154712e+00
## ENSG00000117419 7.118717e+02    0.1845785230 0.09526956 1.937434e+00
## ENSG00000117425 4.056845e+01    -0.2868547387 0.39125614 -7.331635e-01
## ENSG00000117448 8.202678e+02    -0.1417242877 0.13896026 -1.019891e+00
## ENSG00000117450 4.022597e+03    -0.0047214415 0.13427758 -3.516180e-02
## ENSG00000117461 2.197154e+02    -1.5610774073 0.35102783 -4.447161e+00
## ENSG00000117472 3.499139e+00    -0.9683153117 1.06635104 -9.080643e-01
## ENSG00000117475 5.001116e+02    0.1652893697 0.17669171 9.354676e-01
## ENSG00000117477 7.520241e+00    -0.3034554653 0.65646794 -4.622548e-01
## ENSG00000117479 2.649912e+02    1.0757432369 0.31678305 3.395836e+00
## ENSG00000117480 2.975924e+01    0.2823616923 0.41050707 6.878364e-01
## ENSG00000117481 3.040429e+02    -0.0146094520 0.14525900 -1.005752e-01
## ENSG00000117500 2.249760e+03    0.3709119711 0.10925076 3.395052e+00
## ENSG00000117501 2.692155e-01    1.7862987311 3.51183999 5.086504e-01
## ENSG00000117505 1.095923e+03    0.0615086122 0.09496279 6.477128e-01
## ENSG00000117507 4.987221e+00    -0.7309692737 0.92326114 -7.917254e-01
## ENSG00000117519 6.549882e+03    0.3581801135 0.19299410 1.855912e+00
## ENSG00000117523 5.541129e+03    -0.3083818858 0.12793043 -2.410544e+00
## ENSG00000117525 5.102218e+02    0.4156082240 0.32556219 1.276586e+00
## ENSG00000117528 1.027066e+03    -0.0338208497 0.12083118 -2.799017e-01
## ENSG00000117533 1.284467e+03    -0.0497065050 0.10774685 -4.613268e-01
## ENSG00000117543 3.731214e+02    -0.2173745914 0.16533987 -1.314714e+00
## ENSG00000117560 5.317868e-01    -2.4624129353 3.45028000 -7.136850e-01
## ENSG00000117569 2.887375e+02    -0.4123994633 0.18197869 -2.266196e+00
## ENSG00000117586 4.148594e+01    0.2617714940 0.40003794 6.543667e-01
## ENSG00000117592 3.679018e+03    0.4417440921 0.11579427 3.814905e+00
## ENSG00000117593 3.163552e+02    0.0006845355 0.11652747 5.874456e-03
## ENSG00000117594 7.772217e+02    1.1984381087 0.75714586 1.582837e+00
## ENSG00000117595 6.589722e+01    0.3882417615 0.71592854 5.422912e-01
## ENSG00000117597 6.454731e+02    0.2325048476 0.16271555 1.428904e+00
## ENSG00000117598 1.535533e+00    -0.9290597444 1.36872318 -6.787784e-01
## ENSG00000117600 3.936852e+01    -2.0243402183 0.60843217 -3.327142e+00

```

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## ENSG00000117601 2.168452e+00 0.4045572172 1.16710408 3.466334e-01
## ENSG00000117602 3.412610e+02 0.7778893907 0.27820304 2.796121e+00
## ENSG00000117614 1.159141e+03 0.0700184899 0.11554432 6.059882e-01
## ENSG00000117616 1.504015e+03 0.2535539085 0.14728179 1.721556e+00
## ENSG00000117620 4.952064e+02 0.4022059843 0.13842791 2.905527e+00
## ENSG00000117625 7.744777e+02 -0.1899723940 0.10994445 -1.727894e+00
## ENSG00000117632 1.229932e+03 -0.0891482601 0.19223051 -4.637571e-01
## ENSG00000117640 1.257756e+03 -0.0852227459 0.07843270 -1.086572e+00
## ENSG00000117643 9.793280e+02 -0.4244569186 0.25290601 -1.678319e+00
## ENSG00000117650 1.338468e+01 -0.3039818079 0.54231500 -5.605263e-01
## ENSG00000117676 6.787140e+00 0.2518139296 0.68881339 3.655764e-01
## ENSG00000117682 6.872891e+02 0.1677024898 0.09922689 1.690091e+00
## ENSG00000117691 7.515362e+02 -0.0219990191 0.12466948 -1.764587e-01
## ENSG00000117697 3.696940e+02 -0.2522239940 0.11321351 -2.227861e+00
## ENSG00000117707 1.364438e+01 -0.5611679149 0.83682105 -6.705949e-01
## ENSG00000117713 1.585258e+03 -0.0217512000 0.10039645 -2.166531e-01
## ENSG00000117724 1.325119e+02 -0.4469811156 0.21966230 -2.034856e+00
## ENSG00000117748 5.485874e+02 -0.2049112787 0.31145363 -6.579190e-01
## ENSG00000117751 7.399774e+02 0.0726720163 0.08850796 8.210789e-01
## ENSG00000117758 1.730787e+03 0.8142490983 0.15246823 5.340451e+00
## ENSG00000117791 3.139594e+02 0.3351487102 0.21550192 1.555201e+00
## ENSG00000117834 1.865538e+01 0.0646457675 0.44574196 1.450296e-01
## ENSG00000117859 1.580712e+03 0.3382351460 0.18375222 1.840713e+00
## ENSG00000117862 1.105263e+03 0.2203737308 0.08793446 2.506114e+00
## ENSG00000117868 5.021731e+03 0.5031983343 0.14074487 3.575252e+00
## ENSG00000117877 7.821815e+01 0.4750898144 0.38460867 1.235255e+00
## ENSG00000117899 1.684263e+03 0.2832466762 0.10959255 2.584543e+00
## ENSG00000117906 1.699116e+03 0.3036594391 0.15408595 1.970715e+00
## ENSG00000117971 5.260163e+00 -0.3904280185 0.93084860 -4.194324e-01
## ENSG00000117983 3.513211e+00 -5.1702062720 2.69205092 -1.920546e+00
## ENSG00000117984 9.124713e+03 -0.0457419633 0.06164280 -7.420487e-01
## ENSG00000118004 3.268020e+00 -1.4437324447 1.04352415 -1.383516e+00
## ENSG00000118007 1.907218e+03 0.0069863832 0.13393080 5.216413e-02
## ENSG00000118017 6.368138e+00 -0.4712718808 1.30601625 -3.608469e-01
## ENSG00000118046 1.090267e+03 -0.0711310002 0.09106819 -7.810740e-01
## ENSG00000118058 2.778814e+03 -0.2596931345 0.14159427 -1.834065e+00
## ENSG00000118094 4.340008e+00 1.6421933772 1.15799728 1.418132e+00
## ENSG00000118096 4.089026e+02 -0.1719715925 0.12046535 -1.427561e+00
## ENSG00000118113 2.047440e+00 -0.4945470171 1.55217730 -3.186150e-01
## ENSG00000118137 6.268612e-01 -0.2703453004 2.96567429 -9.115812e-02
## ENSG00000118156 4.909895e+00 -0.7804932752 1.11130703 -7.023201e-01
## ENSG00000118160 2.299487e+00 2.0740409747 1.35891756 1.526245e+00
## ENSG00000118162 1.681357e+02 0.0801042095 0.21729426 3.686439e-01
## ENSG00000118181 4.047721e+03 -0.0238366885 0.14363183 -1.659569e-01
## ENSG00000118193 2.046843e+01 -0.0524425043 0.46286676 -1.132994e-01
## ENSG00000118194 8.237591e+00 2.5446385900 0.81810527 3.110405e+00
## ENSG00000118197 2.370270e+02 0.3293623925 0.13683584 2.406989e+00
## ENSG00000118200 1.653624e+03 0.0064214515 0.11524510 5.571995e-02
## ENSG00000118217 1.357515e+03 0.1127169558 0.13907255 8.104903e-01
## ENSG00000118231 0.000000e+00 NA NA NA
## ENSG00000118242 9.047365e+01 -0.0932547047 0.30767184 -3.030980e-01
## ENSG00000118245 0.000000e+00 NA NA NA
## ENSG00000118246 4.670708e+02 0.0589473809 0.10489570 5.619618e-01
## ENSG00000118257 2.023017e+03 0.9545073385 0.20651331 4.622014e+00

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## ENSG00000118260 7.818405e+02 -0.5533338081 0.18223914 -3.036306e+00
## ENSG00000118263 5.603850e+02 0.2588113860 0.18340795 1.411124e+00
## ENSG00000118271 0.000000e+00 NA NA NA
## ENSG00000118276 5.457722e+01 -0.1995649966 0.60408531 -3.303590e-01
## ENSG00000118292 1.938637e+02 -0.1949937887 0.30494068 -6.394483e-01
## ENSG00000118298 1.161748e+01 0.3833131008 0.52565650 7.292083e-01
## ENSG00000118307 1.059571e+01 0.2058745720 0.61475403 3.348893e-01
## ENSG00000118308 1.593484e+00 -1.0351499693 1.65167857 -6.267260e-01
## ENSG00000118322 1.312660e+01 0.2111587336 0.60142641 3.510965e-01
## ENSG00000118363 1.205295e+03 0.1778669660 0.13346836 1.332653e+00
## ENSG00000118369 4.285914e+02 -0.2641650982 0.14011648 -1.885325e+00
## ENSG00000118402 1.061857e+02 -0.1664579844 0.19752423 -8.427218e-01
## ENSG00000118407 1.898535e+02 -0.5703562660 0.37234859 -1.531780e+00
## ENSG00000118412 4.030014e+02 -0.0650014980 0.12424185 -5.231852e-01
## ENSG00000118418 5.733445e+02 -0.3054212975 0.18543361 -1.647065e+00
## ENSG00000118420 4.681074e+01 -0.6482282875 0.31836613 -2.036109e+00
## ENSG00000118432 3.527749e-01 2.0629148141 3.49593231 5.900900e-01
## ENSG00000118434 0.000000e+00 NA NA NA
## ENSG00000118454 8.050491e+02 0.2685580785 0.10590501 2.535839e+00
## ENSG00000118473 8.003463e+02 -0.0494098945 0.44489044 -1.110608e-01
## ENSG00000118482 1.843634e+03 -0.1244841766 0.12005694 -1.036876e+00
## ENSG00000118491 2.448756e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000118492 1.521282e+01 0.3752040454 0.52975561 7.082588e-01
## ENSG00000118495 1.427583e+03 -0.1702229015 0.15134385 -1.124743e+00
## ENSG00000118496 9.077908e+02 0.2031106017 0.17174459 1.182632e+00
## ENSG00000118503 3.546487e+02 0.4834303977 0.12559686 3.849064e+00
## ENSG00000118507 1.033195e+02 0.7564882954 0.19338561 3.911813e+00
## ENSG00000118508 7.044885e+02 -0.3381421118 0.18086664 -1.869566e+00
## ENSG00000118513 8.166071e-01 -0.8413614847 2.28119540 -3.688248e-01
## ENSG00000118514 8.749193e+00 -0.6643111477 0.71019583 -9.353915e-01
## ENSG00000118515 2.784076e+03 0.5169625689 0.18609031 2.778020e+00
## ENSG00000118518 1.076738e+03 -0.0065615475 0.17256763 -3.802305e-02
## ENSG00000118520 3.673419e-01 2.1044898088 3.49377278 6.023545e-01
## ENSG00000118523 1.209638e+04 1.3773632097 0.60077083 2.292660e+00
## ENSG00000118526 7.656285e+03 0.5210634150 0.22757506 2.289633e+00
## ENSG00000118557 7.552895e+00 0.3820061093 0.69926476 5.462968e-01
## ENSG00000118564 9.610167e+02 0.1037992837 0.12509844 8.297408e-01
## ENSG00000118579 1.386231e+03 0.3911928425 0.13208437 2.961689e+00
## ENSG00000118596 1.280344e+03 0.2905004900 0.14729607 1.972222e+00
## ENSG00000118600 2.810699e+02 0.0991892226 0.16813859 5.899254e-01
## ENSG00000118620 1.132175e+02 0.1513430617 0.18458968 8.198891e-01
## ENSG00000118640 2.194045e+01 -0.7267530424 0.53669347 -1.354131e+00
## ENSG00000118655 1.423819e+02 0.3733073634 0.17419795 2.143007e+00
## ENSG00000118680 5.800425e+03 0.5061439608 0.14475649 3.496520e+00
## ENSG00000118689 5.353975e+03 1.2754019107 0.16075560 7.933795e+00
## ENSG00000118690 6.650690e+01 0.5960775166 0.33643187 1.771763e+00
## ENSG00000118702 0.000000e+00 NA NA NA
## ENSG00000118705 5.327414e+03 0.0720314723 0.09821146 7.334324e-01
## ENSG00000118707 2.481928e+02 -0.5492889766 0.19045522 -2.884085e+00
## ENSG00000118729 1.253180e+01 -4.7319885172 1.35566823 -3.490521e+00
## ENSG00000118733 0.000000e+00 NA NA NA
## ENSG00000118762 3.859841e+03 0.8324771679 0.27055655 3.076906e+00
## ENSG00000118777 3.210461e+01 0.0188814116 0.40776963 4.630411e-02
## ENSG00000118785 1.282243e+00 1.4632429817 2.09287191 6.991555e-01

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## ENSG00000118804 3.559010e+02    0.5174551992 0.28737039  1.800656e+00
## ENSG00000118816 4.979372e+03    0.0865160230 0.11380443  7.602166e-01
## ENSG00000118849 2.894355e+03    0.2002151936 0.96968711  2.064740e-01
## ENSG00000118855 2.371507e+03    -0.1257128898 0.25352487 -4.958602e-01
## ENSG00000118873 1.332593e+03    -0.1233010583 0.10247212 -1.203264e+00
## ENSG00000118894 1.333666e+02    -0.0700761089 0.23575294 -2.972438e-01
## ENSG00000118898 4.942434e+03    0.0197962156 0.39345719  5.031352e-02
## ENSG00000118900 1.343562e+03    0.1073407179 0.16847647  6.371259e-01
## ENSG00000118903 0.000000e+00      NA          NA          NA
## ENSG00000118922 8.077453e+02    -0.1945698536 0.16173022 -1.203052e+00
## ENSG00000118939 3.282151e+02    -0.2614492339 0.15585657 -1.677499e+00
## ENSG00000118946 4.252405e-01    -2.1424223237 3.46667781 -6.180045e-01
## ENSG00000118960 1.026962e+03    0.3079318528 0.12447483  2.473848e+00
## ENSG00000118961 3.245064e+02    -0.2821835790 0.18396767 -1.533876e+00
## ENSG00000118965 4.907795e+02    0.0813927836 0.14498739  5.613784e-01
## ENSG00000118971 3.160392e+03    -0.5118544111 0.24677055 -2.074212e+00
## ENSG00000118972 1.346842e+01    0.0154797359 0.50940435  3.038791e-02
## ENSG00000118976 2.860233e-01    0.6955464566 3.52545350  1.972928e-01
## ENSG00000118985 6.157109e+03    0.1867941177 0.22786997  8.197400e-01
## ENSG00000118990 4.007337e-01    2.2570015287 3.48306869  6.479923e-01
## ENSG00000118997 9.545325e+01    -0.8960799522 0.39367127 -2.276214e+00
## ENSG00000119004 6.808925e+02    0.0136314572 0.14178038  9.614488e-02
## ENSG00000119013 4.125395e+02    0.1114728744 0.17061066  6.533758e-01
## ENSG00000119041 6.816602e+02    -0.1420377614 0.12804134 -1.109312e+00
## ENSG00000119042 3.175848e+02    -0.1133199120 0.31210895 -3.630781e-01
## ENSG00000119048 1.353070e+03    0.3012677251 0.15508439  1.942605e+00
## ENSG00000119121 1.180247e+01    0.0293660895 0.82997343  3.538196e-02
## ENSG00000119125 9.359895e+00    -0.6911839618 0.70137770 -9.854661e-01
## ENSG00000119138 1.717466e+03    2.1278754712 0.21177152  1.004798e+01
## ENSG00000119139 5.612325e+03    1.9908827998 0.25612300  7.773151e+00
## ENSG00000119147 1.329914e+00    1.0955395026 2.17855561  5.028742e-01
## ENSG00000119185 1.773090e+03    0.1773176811 0.24308689  7.294416e-01
## ENSG00000119203 6.509821e+02    0.1282370680 0.13703822  9.357759e-01
## ENSG00000119227 1.756694e+02    0.4125615714 0.28394356  1.452970e+00
## ENSG00000119231 7.007417e+02    0.0162249488 0.18729465  8.662794e-02
## ENSG00000119242 2.612391e+02    -0.1219843296 0.14543758 -8.387401e-01
## ENSG00000119280 2.828897e+03    0.5151554848 0.29600707  1.740349e+00
## ENSG00000119283 6.039364e+00    -0.0269246620 0.81006355 -3.323772e-02
## ENSG00000119285 1.427347e+03    0.1778458040 0.11220789  1.584967e+00
## ENSG00000119314 6.914440e+02    0.0458150006 0.15413895  2.972318e-01
## ENSG00000119318 8.831572e+03    0.4318375294 0.26879502  1.606568e+00
## ENSG00000119321 1.262342e+03    0.0365638595 0.10409294  3.512617e-01
## ENSG00000119326 1.639252e+03    0.2869881067 0.28998530  9.896643e-01
## ENSG00000119328 2.893648e+02    -0.0603407222 0.18974701 -3.180062e-01
## ENSG00000119333 3.470122e+02    -0.1787594382 0.17050043 -1.048440e+00
## ENSG00000119335 4.143411e+03    -0.0282658834 0.10700117 -2.641642e-01
## ENSG00000119383 1.810886e+03    -0.2225784988 0.12540737 -1.774844e+00
## ENSG00000119392 6.579121e+02    0.3384120437 0.12421030  2.724509e+00
## ENSG00000119396 1.819781e+03    0.0103338523 0.09027818  1.144668e-01
## ENSG00000119397 2.565108e+02    -0.1174997718 0.16193299 -7.256074e-01
## ENSG00000119401 7.334454e+02    0.0918085164 0.11811549  7.772775e-01
## ENSG00000119402 2.003682e+03    -0.0290512982 0.09596166 -3.027386e-01
## ENSG00000119403 6.754196e+02    -0.0931593292 0.25605373 -3.638273e-01
## ENSG00000119408 2.489106e+03    -0.5387187146 0.24593413 -2.190500e+00

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## ENSG00000119411 1.723680e+00 -0.6519729209 1.27309803 -5.121153e-01
## ENSG00000119414 1.050316e+03 0.0768410696 0.14117664 5.442902e-01
## ENSG00000119421 3.988627e+02 0.1382808267 0.13847449 9.986015e-01
## ENSG00000119431 1.215767e+02 -0.1116225368 0.43367536 -2.573873e-01
## ENSG00000119440 0.000000e+00 NA NA NA
## ENSG00000119446 4.768949e+02 0.1805921697 0.19092773 9.458666e-01
## ENSG00000119457 1.276249e+00 -0.8231878023 1.70561976 -4.826327e-01
## ENSG00000119471 1.711573e+03 0.1630098119 0.12455495 1.308738e+00
## ENSG00000119487 2.942306e+03 0.1481170663 0.14523597 1.019837e+00
## ENSG00000119508 2.183877e+02 2.0825866593 0.33954162 6.133524e+00
## ENSG00000119509 3.320824e+02 -0.0721219965 0.16360503 -4.408299e-01
## ENSG00000119514 4.342854e+02 -1.1288271467 0.40061728 -2.817720e+00
## ENSG00000119522 4.317259e+02 -0.2454656552 0.15169974 -1.618102e+00
## ENSG00000119523 8.020288e+02 0.3899644756 0.09510122 4.100520e+00
## ENSG00000119535 1.779471e+01 1.3717720119 0.86055122 1.594062e+00
## ENSG00000119537 2.606171e+03 0.4781666928 0.17186487 2.782225e+00
## ENSG00000119541 1.394246e+03 0.3337922209 0.12086694 2.761650e+00
## ENSG00000119547 1.356996e+00 -1.4118315199 1.71717703 -8.221817e-01
## ENSG00000119559 4.592047e+02 0.0876477334 0.12510120 7.006146e-01
## ENSG00000119574 2.924350e+02 0.1073145850 0.17367205 6.179151e-01
## ENSG00000119596 2.268196e+03 -0.0195949030 0.10202436 -1.920610e-01
## ENSG00000119599 1.915941e+02 -0.3285791792 0.19010838 -1.728378e+00
## ENSG00000119608 1.560637e+01 0.0199474449 0.58471853 3.411461e-02
## ENSG00000119614 0.000000e+00 NA NA NA
## ENSG00000119616 8.924785e+02 -0.0884117937 0.08171096 -1.082007e+00
## ENSG00000119630 7.209689e+02 -1.1885425717 0.42410091 -2.802499e+00
## ENSG00000119632 3.157025e+02 -0.1812360782 0.18340410 -9.881790e-01
## ENSG00000119636 1.750180e+02 -0.0799278968 0.18237055 -4.382719e-01
## ENSG00000119638 3.848321e+03 0.0696319201 0.10924912 6.373682e-01
## ENSG00000119640 1.335792e+02 -0.6185508202 0.32524452 -1.901802e+00
## ENSG00000119650 3.025738e+02 0.1952763319 0.14378792 1.358086e+00
## ENSG00000119655 4.030857e+03 -0.1685093858 0.18502312 -9.107477e-01
## ENSG00000119660 0.000000e+00 NA NA NA
## ENSG00000119661 2.837221e+02 0.0845511355 0.28506454 2.966035e-01
## ENSG00000119669 1.390650e+03 -0.0495885128 0.12951540 -3.828773e-01
## ENSG00000119673 4.114041e+02 0.7869821487 0.21450779 3.668781e+00
## ENSG00000119681 3.029012e+04 -0.2335938568 0.14821150 -1.576085e+00
## ENSG00000119682 1.115133e+03 -0.0301006355 0.13589386 -2.215011e-01
## ENSG00000119684 3.619419e+02 -0.0621510817 0.20077052 -3.095628e-01
## ENSG00000119685 5.254460e+02 0.3656621188 0.17158085 2.131136e+00
## ENSG00000119686 7.263500e+01 0.7461750133 0.41214784 1.810455e+00
## ENSG00000119688 6.089374e+02 -0.1465357480 0.18214625 -8.044950e-01
## ENSG00000119689 4.579779e+03 0.2230265221 0.14462498 1.542102e+00
## ENSG00000119698 4.724392e+01 0.1033513740 0.43991729 2.349337e-01
## ENSG00000119699 2.468820e+02 0.1687523603 0.27531407 6.129449e-01
## ENSG00000119703 2.884293e+01 -0.8042156856 0.32896153 -2.444710e+00
## ENSG00000119705 2.818080e+02 0.0504392674 0.15817775 3.188771e-01
## ENSG00000119707 2.691987e+03 -0.0822872641 0.11733751 -7.012869e-01
## ENSG00000119711 6.622769e+02 1.0873619313 0.20529873 5.296486e+00
## ENSG00000119714 6.154815e+01 -3.1021481631 0.50599352 -6.130806e+00
## ENSG00000119715 2.274279e+00 0.8904131042 1.14006274 7.810211e-01
## ENSG00000119718 5.206246e+02 -0.4516511607 0.19452372 -2.321831e+00
## ENSG00000119720 3.738401e+02 -0.0840661126 0.17575791 -4.783063e-01
## ENSG00000119723 2.250691e+02 -0.1378744468 0.15065161 -9.151873e-01

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## ENSG00000119725 6.592077e+02 -0.0068695905 0.12734617 -5.394422e-02
## ENSG00000119729 5.286333e+03 0.1547818089 0.12917729 1.198212e+00
## ENSG00000119737 1.416074e+01 -0.0910266286 0.52756677 -1.725405e-01
## ENSG00000119760 8.453083e+02 -0.0939051167 0.09903611 -9.481907e-01
## ENSG00000119771 9.866356e+02 0.4754919299 0.18760191 2.534579e+00
## ENSG00000119772 4.259730e+02 -0.3141971810 0.12615983 -2.490469e+00
## ENSG00000119777 2.111443e+03 0.1503328956 0.12949643 1.160904e+00
## ENSG00000119778 2.617006e+02 -0.0268583104 0.17160672 -1.565108e-01
## ENSG00000119782 6.072279e+01 0.6008476677 0.29655298 2.026106e+00
## ENSG00000119787 3.969194e+02 0.2519734173 0.15758372 1.598981e+00
## ENSG00000119801 2.267832e+03 0.1676034075 0.13907515 1.205128e+00
## ENSG00000119812 1.058269e+03 0.2261434689 0.19448423 1.162786e+00
## ENSG00000119820 1.355371e+03 0.3798830990 0.21374174 1.777300e+00
## ENSG00000119844 5.154108e+02 -0.0661225680 0.15229925 -4.341621e-01
## ENSG00000119862 4.809591e+01 0.4948278402 0.41273956 1.198886e+00
## ENSG00000119865 6.190857e+02 0.0946832836 0.13071994 7.243216e-01
## ENSG00000119866 3.432416e+00 -0.3338359599 0.88732011 -3.762295e-01
## ENSG00000119878 2.903347e+02 0.0156210357 0.16891517 9.247858e-02
## ENSG00000119888 9.400205e-01 1.6893933445 1.91066246 8.841925e-01
## ENSG00000119899 1.499335e+03 0.5463505714 0.24436416 2.235805e+00
## ENSG00000119900 9.073642e+02 0.5118600954 0.16856476 3.036578e+00
## ENSG00000119906 9.071391e+02 -0.2613539077 0.15809329 -1.653163e+00
## ENSG00000119912 9.662964e+02 -0.2045478767 0.14482734 -1.412357e+00
## ENSG00000119913 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000119915 3.145512e+01 0.4191167183 0.49435806 8.477999e-01
## ENSG00000119917 8.186248e+02 -0.0175496442 0.25283420 -6.941167e-02
## ENSG00000119919 0.000000e+00 NA NA NA
## ENSG00000119922 3.809963e+02 -0.6322448765 0.27358734 -2.310943e+00
## ENSG00000119927 3.837533e+02 0.0967288454 0.13987081 6.915585e-01
## ENSG00000119929 1.650172e+02 0.0943254736 0.20775815 4.540158e-01
## ENSG00000119938 3.635172e+03 -0.4135395691 0.17522321 -2.360073e+00
## ENSG00000119943 2.268387e+02 -0.3365248908 0.26452313 -1.272195e+00
## ENSG00000119946 6.232731e+01 0.4772647205 0.34957783 1.365260e+00
## ENSG00000119950 1.601445e+03 0.1420938307 0.12812965 1.108985e+00
## ENSG00000119953 6.198148e+02 0.1726468582 0.12717222 1.357583e+00
## ENSG00000119965 1.803195e+02 -0.3906626903 0.17989078 -2.171666e+00
## ENSG00000119969 9.217562e+01 -0.2614983493 0.35756821 -7.313244e-01
## ENSG00000119973 7.982671e-01 -1.1931445572 2.00014263 -5.965297e-01
## ENSG00000119977 2.174025e+03 -0.4160789282 0.16368380 -2.541968e+00
## ENSG00000119979 1.545148e+03 0.3155671873 0.10651886 2.962548e+00
## ENSG00000119986 6.919610e+02 0.1342297719 0.15100414 8.889145e-01
## ENSG00000120008 2.078253e+03 0.2078765832 0.10487582 1.982121e+00
## ENSG00000120029 6.146226e+02 0.0810330719 0.09965926 8.131013e-01
## ENSG00000120049 2.927818e+01 -0.8404490279 0.39240126 -2.141810e+00
## ENSG00000120051 1.705045e+01 0.4546139204 0.51945915 8.751678e-01
## ENSG00000120053 3.502746e+02 0.0084740929 0.15949113 5.313206e-02
## ENSG00000120054 0.000000e+00 NA NA NA
## ENSG00000120057 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000120063 1.164768e+03 0.0775998942 0.13889386 5.586993e-01
## ENSG00000120068 7.744765e+00 -0.2779687278 1.24316587 -2.235975e-01
## ENSG00000120071 8.716872e+01 -0.2921571602 0.50885236 -5.741492e-01
## ENSG00000120075 9.983793e+01 -0.0680406230 0.59100304 -1.151274e-01
## ENSG00000120088 0.000000e+00 NA NA NA
## ENSG00000120093 1.129251e+03 -0.1002751123 0.13187940 -7.603546e-01

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## ENSG00000120094 0.000000e+00 NA NA NA
## ENSG00000120129 3.440704e+03 2.9652108028 0.20369513 1.455710e+01
## ENSG00000120137 1.255771e+03 -0.2563104760 0.26095217 -9.822125e-01
## ENSG00000120149 1.599791e+02 -0.9994498954 0.57285168 -1.744692e+00
## ENSG00000120156 2.135650e+02 -0.3505238509 0.26956859 -1.300314e+00
## ENSG00000120158 1.023895e+02 -0.0423504264 0.18043199 -2.347168e-01
## ENSG00000120159 2.470303e+02 -0.3223504440 0.15937686 -2.022567e+00
## ENSG00000120160 0.000000e+00 NA NA NA
## ENSG00000120162 5.654353e+01 2.0010685045 0.42070205 4.756498e+00
## ENSG00000120210 4.307589e+00 1.0024553908 0.78059240 1.284224e+00
## ENSG00000120211 9.605333e-01 -1.4394201173 1.71846462 -8.376199e-01
## ENSG00000120215 1.273560e+01 0.9094886155 0.54410028 1.671546e+00
## ENSG00000120217 1.147455e+02 -0.6675811353 0.23670802 -2.820273e+00
## ENSG00000120235 0.000000e+00 NA NA NA
## ENSG00000120242 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000120251 2.207706e+00 1.1667018051 2.13616247 5.461672e-01
## ENSG00000120253 4.627970e+02 -0.0484654080 0.11980092 -4.045495e-01
## ENSG00000120254 1.428751e+03 -0.5499830454 0.23481568 -2.342190e+00
## ENSG00000120256 1.074822e+03 -0.2544405740 0.17058819 -1.491549e+00
## ENSG00000120262 1.149925e+02 0.3802476031 0.44106902 8.621045e-01
## ENSG00000120265 1.030545e+03 0.2975359334 0.11760052 2.530056e+00
## ENSG00000120278 4.989040e+02 -0.3116246883 0.28609301 -1.089243e+00
## ENSG00000120279 3.258268e+00 -0.8278911676 1.07107181 -7.729558e-01
## ENSG00000120280 1.586637e+00 0.7309803805 1.83907723 3.974713e-01
## ENSG00000120289 0.000000e+00 NA NA NA
## ENSG00000120306 5.161517e+02 0.2683126955 0.16062039 1.670477e+00
## ENSG00000120314 5.916425e+02 0.0532405961 0.10853152 4.905542e-01
## ENSG00000120318 3.034997e+02 -0.5702770425 0.17929473 -3.180668e+00
## ENSG00000120322 3.314725e+01 -0.5051749196 0.46326437 -1.090468e+00
## ENSG00000120324 7.501132e+01 -0.2994660612 0.36136772 -8.287017e-01
## ENSG00000120327 1.118816e+02 -0.2821012341 0.30732951 -9.179113e-01
## ENSG00000120328 1.585956e+01 -0.4088007787 0.46428051 -8.805038e-01
## ENSG00000120329 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000120332 6.579902e-01 -0.4729419448 2.95588061 -1.600004e-01
## ENSG00000120333 4.200050e+02 0.0572252142 0.14233075 4.020580e-01
## ENSG00000120334 1.028147e+02 -0.2027212499 0.22327360 -9.079499e-01
## ENSG00000120337 1.705674e+00 0.0017714244 1.46955380 1.205416e-03
## ENSG00000120341 2.337975e+02 -0.9546220240 0.29405986 -3.246353e+00
## ENSG00000120370 3.354555e+02 -0.5697739859 0.19133084 -2.977952e+00
## ENSG00000120436 0.000000e+00 NA NA NA
## ENSG00000120437 1.936116e+02 0.1192300306 0.16254129 7.335369e-01
## ENSG00000120438 2.767534e+03 0.1080387176 0.10359981 1.042847e+00
## ENSG00000120440 3.648626e-01 -1.8995343260 3.25889304 -5.828772e-01
## ENSG00000120451 3.294658e+03 0.0444536781 0.23591822 1.884283e-01
## ENSG00000120457 1.093084e+01 -0.5248708410 0.52657167 -9.967700e-01
## ENSG00000120458 1.944109e+02 -0.1665765827 0.16052092 -1.037725e+00
## ENSG00000120471 0.000000e+00 NA NA NA
## ENSG00000120498 7.932376e-01 0.1276744553 2.03113920 6.285855e-02
## ENSG00000120500 8.094333e+00 -0.3243510026 0.80607777 -4.023818e-01
## ENSG00000120509 5.582646e+02 -0.1010968225 0.12643557 -7.995916e-01
## ENSG00000120519 1.243034e+02 -0.1665066519 0.21908377 -7.600136e-01
## ENSG00000120526 2.488307e+02 0.6820275770 0.12002699 5.682285e+00
## ENSG00000120533 6.876890e+02 0.0989352436 0.10404165 9.509196e-01
## ENSG00000120539 2.272244e+02 0.0702463079 0.18996320 3.697890e-01

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## ENSG00000120549 4.948451e+01 -0.7522072277 0.47565945 -1.581399e+00
## ENSG00000120555 1.376872e+00 0.0112851302 1.38399900 8.154002e-03
## ENSG00000120563 0.000000e+00 NA NA NA
## ENSG00000120594 1.115380e+03 1.0513583935 0.46397961 2.265958e+00
## ENSG00000120616 4.853581e+02 -0.2214429345 0.10143550 -2.183091e+00
## ENSG00000120645 1.479567e+01 -0.0065516845 0.86128147 -7.606903e-03
## ENSG00000120647 1.421231e+02 -0.1415449842 0.20799818 -6.805107e-01
## ENSG00000120656 4.701054e+02 -0.1407081174 0.13167301 -1.068618e+00
## ENSG00000120658 2.576649e+02 0.1925638645 0.30259261 6.363799e-01
## ENSG00000120659 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000120662 1.403887e+02 0.2389673913 0.16495974 1.448641e+00
## ENSG00000120669 2.462030e+01 -0.4924462012 0.67407679 -7.305491e-01
## ENSG00000120675 6.829763e+02 0.3892169627 0.17659041 2.204066e+00
## ENSG00000120685 5.130140e+02 0.0665390979 0.14416376 4.615522e-01
## ENSG00000120686 1.910418e+03 0.0638549971 0.09546938 6.688532e-01
## ENSG00000120688 4.012637e+02 0.4006086203 0.11476363 3.490728e+00
## ENSG00000120690 1.426822e+03 0.8459172158 0.12950740 6.531806e+00
## ENSG00000120693 4.492721e+02 -0.1718911545 0.31637149 -5.433206e-01
## ENSG00000120694 1.265599e+03 -0.1685260518 0.14166990 -1.189569e+00
## ENSG00000120696 1.590405e+02 -0.4626571001 0.14959372 -3.092757e+00
## ENSG00000120697 4.727182e+02 0.3059198910 0.13075663 2.339613e+00
## ENSG00000120699 2.367349e+02 0.0208670254 0.24627590 8.473028e-02
## ENSG00000120705 2.930856e+03 0.1825181133 0.11254586 1.621722e+00
## ENSG00000120708 1.130659e+04 -0.3538887983 0.42106047 -8.404702e-01
## ENSG00000120709 1.277981e+03 -0.0556362042 0.10347063 -5.377005e-01
## ENSG00000120725 1.071958e+03 -0.1077917005 0.14864350 -7.251693e-01
## ENSG00000120727 1.182050e+03 0.2088025534 0.09168344 2.277429e+00
## ENSG00000120729 2.779950e+00 0.1312679944 1.23918928 1.059305e-01
## ENSG00000120733 1.942240e+03 0.1236391414 0.09232181 1.339219e+00
## ENSG00000120738 6.812099e+02 -0.8158696593 0.37387699 -2.182187e+00
## ENSG00000120742 1.932643e+03 -0.0749756888 0.14611385 -5.131320e-01
## ENSG00000120756 1.054535e+01 -1.4406324218 0.52752816 -2.730911e+00
## ENSG00000120784 2.168167e+02 0.2030600000 0.16457421 1.233851e+00
## ENSG00000120798 4.898498e+02 -0.0225806297 0.17813593 -1.267607e-01
## ENSG00000120800 8.238913e+02 0.5220249113 0.18805058 2.775981e+00
## ENSG00000120802 5.274657e+02 -0.5723283565 0.14450218 -3.960690e+00
## ENSG00000120805 2.250137e+03 -0.3013861755 0.10273443 -2.933643e+00
## ENSG00000120820 9.611851e+02 -0.4145945216 0.18298979 -2.265670e+00
## ENSG00000120832 3.282997e+02 0.6749846292 0.23500188 2.872252e+00
## ENSG00000120833 9.644058e+01 -0.2584767977 0.25796702 -1.001976e+00
## ENSG00000120837 1.847899e+03 0.9569063524 0.34079801 2.807840e+00
## ENSG00000120860 8.472602e+02 -0.0699167235 0.12977361 -5.387592e-01
## ENSG00000120868 5.704893e+02 0.1506936752 0.13809067 1.091266e+00
## ENSG00000120875 5.179182e+00 -0.1845691175 0.89480774 -2.062668e-01
## ENSG00000120885 1.485615e+04 -0.1470167435 0.20901056 -7.033939e-01
## ENSG00000120889 2.488846e+03 -0.3396055718 0.16056802 -2.115026e+00
## ENSG00000120896 3.611693e+03 0.4811046945 0.18071040 2.662297e+00
## ENSG00000120899 4.027154e+02 1.1305989526 0.41647805 2.714666e+00
## ENSG00000120903 5.147208e-01 -0.5392480781 2.52744748 -2.133568e-01
## ENSG00000120907 4.641316e+00 0.6837207124 0.81804027 8.358032e-01
## ENSG00000120910 3.732774e+02 0.3234612125 0.16554814 1.953880e+00
## ENSG00000120913 2.759056e+03 0.1200188068 0.17297711 6.938421e-01
## ENSG00000120915 4.555897e+01 -0.6399394152 0.41920903 -1.526540e+00
## ENSG00000120925 6.151989e+02 0.0494503978 0.10784982 4.585116e-01

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## ENSG00000120937 0.000000e+00      NA      NA      NA
## ENSG00000120942 2.915698e+02      0.6735582470 0.16631030 4.050009e+00
## ENSG00000120948 2.588884e+03     -0.2461650132 0.13896509 -1.771416e+00
## ENSG00000120949 1.141230e+00      0.1130475347 1.87217604 6.038296e-02
## ENSG00000120952 6.940086e-01      3.0063690022 3.44318881 8.731351e-01
## ENSG00000120963 7.359726e+02     -0.1329203421 0.13389661 -9.927088e-01
## ENSG00000120992 4.590427e+02      0.1464344640 0.16270319 9.000098e-01
## ENSG00000121005 1.085315e+01      0.1826101761 1.26069289 1.448491e-01
## ENSG00000121022 9.005731e+02     -0.0504594229 0.09400436 -5.367775e-01
## ENSG00000121039 7.825204e+03     -0.0962645666 0.32767262 -2.937828e-01
## ENSG00000121053 1.899142e+00      0.0759454738 1.16956669 6.493471e-02
## ENSG00000121057 4.080898e+02      0.0195420449 0.19031774 1.026812e-01
## ENSG00000121058 2.698899e+02      0.0526236937 0.14767472 3.563487e-01
## ENSG00000121060 1.698171e+03     -0.1909207891 0.15750886 -1.212127e+00
## ENSG00000121064 2.697442e+03     -0.0500235279 0.14412825 -3.470765e-01
## ENSG00000121067 9.200168e+02     -0.0205542667 0.12716143 -1.616392e-01
## ENSG00000121068 3.217131e+03      0.3099732330 0.14666949 2.113413e+00
## ENSG00000121073 4.910217e+02      0.1224103900 0.18414385 6.647541e-01
## ENSG00000121075 6.723406e+02      0.0548672515 0.34380601 1.595878e-01
## ENSG00000121089 2.704209e+00     -1.4011802166 1.65910182 -8.445414e-01
## ENSG00000121101 6.179494e+00      0.5756805335 1.07477243 5.356302e-01
## ENSG00000121104 1.723848e+02     -0.4219802725 0.15705129 -2.686895e+00
## ENSG00000121152 1.228676e+01      0.3149322239 0.48926807 6.436803e-01
## ENSG00000121207 2.565678e+01     -0.4642128686 0.93225107 -4.979483e-01
## ENSG00000121210 4.455872e+02     -0.6290708557 0.18545478 -3.392044e+00
## ENSG00000121211 4.587089e+00     -0.1102638582 0.84366107 -1.306969e-01
## ENSG00000121236 1.716032e+02     -0.4095734361 0.16600264 -2.467271e+00
## ENSG00000121270 7.173131e+00     -0.1078168561 0.78991981 -1.364909e-01
## ENSG00000121274 3.348266e+02      0.1988864513 0.14818154 1.342181e+00
## ENSG00000121281 2.404019e+02      0.1092357958 0.31242188 3.496420e-01
## ENSG00000121289 5.887713e+02      0.0801781780 0.14259987 5.622598e-01
## ENSG00000121297 8.772390e+02     -0.2566336303 0.13789574 -1.861070e+00
## ENSG00000121310 9.040802e+02     -0.2246421988 0.17424955 -1.289198e+00
## ENSG00000121314 0.000000e+00      NA      NA      NA
## ENSG00000121316 4.149654e+01     -0.3080738393 0.32857950 -9.375930e-01
## ENSG00000121318 1.413565e+00     -0.5674560781 1.41746050 -4.003329e-01
## ENSG00000121335 1.356395e+00     -0.1677507390 1.75968102 -9.533020e-02
## ENSG00000121350 3.186714e+02      0.0799753246 0.17831656 4.485019e-01
## ENSG00000121351 1.439735e+00     -0.3452664678 1.34821608 -2.560913e-01
## ENSG00000121361 2.195721e+02      0.7138069227 0.25527415 2.796237e+00
## ENSG00000121377 0.000000e+00      NA      NA      NA
## ENSG00000121380 1.242908e+00     -0.7448946923 1.52319556 -4.890342e-01
## ENSG00000121381 0.000000e+00      NA      NA      NA
## ENSG00000121388 0.000000e+00      NA      NA      NA
## ENSG00000121390 6.414776e+02      0.0603615409 0.13665552 4.417058e-01
## ENSG00000121406 1.577179e+02     -0.3146508051 0.16558516 -1.900235e+00
## ENSG00000121410 1.835875e+02      0.3125941347 0.40205627 7.774885e-01
## ENSG00000121413 7.379587e+02      0.0224899800 0.14338743 1.568476e-01
## ENSG00000121417 1.936479e+02     -0.5114192695 0.21578616 -2.370028e+00
## ENSG00000121440 2.736006e+03     -0.0640178460 0.24783440 -2.583090e-01
## ENSG00000121446 2.660778e+00     -0.1861586044 1.63330066 -1.139769e-01
## ENSG00000121454 8.229371e+01      -0.6372594879 0.26848101 -2.373574e+00
## ENSG00000121481 3.433860e+02     -0.2805855168 0.19387262 -1.447267e+00
## ENSG00000121486 5.289455e+02     -0.3153263042 0.16843229 -1.872125e+00

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## ENSG00000121542 3.168926e+02 -0.1381795855 0.13806926 -1.000799e+00
## ENSG00000121552 6.701206e+01 -0.4026956227 0.70550980 -5.707867e-01
## ENSG00000121570 1.503381e+01 -0.2746482161 0.42833995 -6.411921e-01
## ENSG00000121577 1.858110e+01 -0.0854022350 0.70066308 -1.218877e-01
## ENSG00000121578 5.207264e+02 0.2453390659 0.16537642 1.483519e+00
## ENSG00000121579 2.568026e+03 0.0405343050 0.17615134 2.301107e-01
## ENSG00000121594 8.836795e-01 -1.1419979916 2.75600372 -4.143674e-01
## ENSG00000121621 3.335830e+01 -1.2879803213 0.35085522 -3.670974e+00
## ENSG00000121634 0.000000e+00 NA NA NA
## ENSG00000121644 1.444699e+03 0.2540797280 0.12376180 2.052974e+00
## ENSG00000121653 2.587528e+02 -0.4947909703 0.28479822 -1.737339e+00
## ENSG00000121671 5.618689e+02 -0.2762490713 0.16384905 -1.685997e+00
## ENSG00000121680 2.650058e+02 0.2872151149 0.14350572 2.001419e+00
## ENSG00000121690 9.010403e+01 -0.6498519566 0.21669065 -2.998985e+00
## ENSG00000121691 2.105155e+03 0.7710984948 0.19378891 3.979064e+00
## ENSG00000121716 3.396584e+02 0.2575506320 0.16947106 1.519732e+00
## ENSG00000121741 1.565833e+03 0.0057391732 0.14096395 4.071376e-02
## ENSG00000121742 0.000000e+00 NA NA NA
## ENSG00000121743 1.116546e+02 -1.2593556094 0.74668961 -1.686585e+00
## ENSG00000121749 1.032653e+03 -0.0114936568 0.11736003 -9.793502e-02
## ENSG00000121753 5.150093e+02 -0.6847570869 0.16755340 -4.086799e+00
## ENSG00000121764 2.703199e-01 1.7280878899 3.51555352 4.915550e-01
## ENSG00000121766 5.318653e+02 -0.1598305480 0.12694246 -1.259079e+00
## ENSG00000121769 8.305162e+01 -0.7014938869 0.32900732 -2.132153e+00
## ENSG00000121774 1.969912e+03 -0.1920470206 0.15741977 -1.219968e+00
## ENSG00000121775 2.491481e+02 -0.1560542340 0.15824848 -9.861342e-01
## ENSG00000121797 0.000000e+00 NA NA NA
## ENSG00000121807 0.000000e+00 NA NA NA
## ENSG00000121851 5.609754e+02 0.2525086875 0.14166212 1.782472e+00
## ENSG00000121853 0.000000e+00 NA NA NA
## ENSG00000121858 2.426339e+02 -0.9278268119 0.34080702 -2.722440e+00
## ENSG00000121864 4.140847e+02 -0.0385537115 0.12984451 -2.969222e-01
## ENSG00000121871 3.600584e-01 2.0858235074 3.23978618 6.438152e-01
## ENSG00000121879 1.165414e+03 0.5642161836 0.15227950 3.705136e+00
## ENSG00000121892 2.516850e+03 0.1999373611 0.08880398 2.251446e+00
## ENSG00000121895 4.374398e+00 -1.4418366392 0.92135519 -1.564909e+00
## ENSG00000121897 1.205566e+02 -0.23765556267 0.19321526 -1.230004e+00
## ENSG00000121898 2.738763e+03 -0.0129761891 0.41017153 -3.163601e-02
## ENSG00000121900 3.696283e+02 -0.2970775594 0.21847800 -1.359760e+00
## ENSG00000121903 1.372118e+02 0.0205067795 0.21283171 9.635209e-02
## ENSG00000121904 8.884435e+02 0.4384445575 0.29905120 1.466119e+00
## ENSG00000121905 2.780401e+00 -0.6898577443 0.98221747 -7.023473e-01
## ENSG00000121931 2.550875e+02 0.1607278943 0.25505369 6.301728e-01
## ENSG00000121933 1.018132e+00 -0.6083344458 1.72925399 -3.517901e-01
## ENSG00000121940 9.427062e+02 0.1108673579 0.14739939 7.521562e-01
## ENSG00000121957 5.838091e+02 0.5150767449 0.29581563 1.741209e+00
## ENSG00000121964 4.191351e+02 0.3274911939 0.19005182 1.723168e+00
## ENSG00000121966 0.000000e+00 NA NA NA
## ENSG00000121988 1.152040e+02 -0.3657804174 0.27126875 -1.348406e+00
## ENSG00000121989 2.396162e+02 -0.1051737882 0.21485662 -4.895069e-01
## ENSG00000122008 6.726537e+02 0.1108176189 0.09487575 1.168029e+00
## ENSG00000122012 2.837132e+00 -1.3409801629 1.13834019 -1.178014e+00
## ENSG00000122025 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000122026 8.732202e+03 -0.0713397806 0.10983090 -6.495420e-01

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## ENSG00000122033 4.376825e+02 -0.1765546720 0.13359658 -1.321551e+00
## ENSG00000122034 7.245381e+02 0.0979093501 0.11874920 8.245053e-01
## ENSG00000122035 9.247006e+02 2.2582657257 0.40421560 5.586785e+00
## ENSG00000122042 1.114627e+03 -0.0037347350 0.17922045 -2.083878e-02
## ENSG00000122068 1.289096e+03 -0.1486227604 0.12105774 -1.227701e+00
## ENSG00000122085 4.883380e+02 -0.4665690115 0.11146194 -4.185904e+00
## ENSG00000122121 3.799889e+02 0.2394328940 0.47431223 5.048002e-01
## ENSG00000122122 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000122126 1.275438e+03 0.0726457365 0.08700052 8.350035e-01
## ENSG00000122133 1.314905e+00 1.2307370591 1.77150673 6.947403e-01
## ENSG00000122136 0.000000e+00 NA NA NA
## ENSG00000122140 4.807435e+02 -0.0280338961 0.13803641 -2.030906e-01
## ENSG00000122145 0.000000e+00 NA NA NA
## ENSG00000122176 1.500435e+04 -0.1009585104 0.19445843 -5.191779e-01
## ENSG00000122180 4.566131e-01 2.3755262864 3.09380105 7.678342e-01
## ENSG00000122188 5.649296e+00 0.4224596431 0.80230618 5.265566e-01
## ENSG00000122194 1.481253e+01 -0.2337167179 0.49289070 -4.741755e-01
## ENSG00000122203 2.537217e+03 0.1419697154 0.14564592 9.747593e-01
## ENSG00000122218 7.088741e+03 -0.0387894015 0.08100395 -4.788581e-01
## ENSG00000122223 0.000000e+00 NA NA NA
## ENSG00000122224 7.245845e+00 0.1222228961 0.63824766 1.914976e-01
## ENSG00000122254 1.752646e+00 0.9646000093 1.38890918 6.945019e-01
## ENSG00000122257 1.254034e+03 0.0446388153 0.14963408 2.983198e-01
## ENSG00000122299 1.477799e+03 0.5027005525 0.12333716 4.075824e+00
## ENSG00000122304 0.000000e+00 NA NA NA
## ENSG00000122335 9.740478e+02 -0.3063446054 0.19562197 -1.566003e+00
## ENSG00000122359 7.948269e+03 0.3619177803 0.14823217 2.441560e+00
## ENSG00000122367 1.308526e+01 0.6669910580 0.48053393 1.388021e+00
## ENSG00000122375 0.000000e+00 NA NA NA
## ENSG00000122376 4.116620e+02 0.4400735744 0.11369993 3.870482e+00
## ENSG00000122378 1.092179e+02 0.2460368701 0.39642082 6.206457e-01
## ENSG00000122386 1.820894e+02 -0.2165597848 0.23186511 -9.339904e-01
## ENSG00000122390 6.346795e+02 -0.2805763891 0.11063645 -2.536021e+00
## ENSG00000122406 1.268272e+04 0.0223309952 0.13078608 1.707444e-01
## ENSG00000122417 5.689046e+02 -0.2468322363 0.15813423 -1.560903e+00
## ENSG00000122420 1.769328e+03 -0.7066139241 0.24817665 -2.847222e+00
## ENSG00000122432 1.305063e+01 0.2165601454 0.52644662 4.113620e-01
## ENSG00000122435 2.638276e+02 -0.2105560942 0.19429469 -1.083695e+00
## ENSG00000122477 2.069966e+01 0.2424652321 0.37464554 6.471857e-01
## ENSG00000122481 1.826946e+02 0.1842983308 0.16151222 1.141080e+00
## ENSG00000122482 6.572421e+02 0.0517702959 0.12838213 4.032516e-01
## ENSG00000122483 1.077159e+02 0.1619606889 0.33221701 4.875147e-01
## ENSG00000122484 8.642496e+02 0.0186611265 0.15268272 1.222216e-01
## ENSG00000122490 7.399589e+02 0.4000108495 0.10804837 3.702146e+00
## ENSG00000122507 5.509255e+02 -0.3641442760 0.13028516 -2.794979e+00
## ENSG00000122512 2.646319e+02 -0.1801562901 0.12873346 -1.399452e+00
## ENSG00000122515 1.041462e+03 -0.0279657832 0.13155822 -2.125734e-01
## ENSG00000122543 1.486275e+00 -0.9574576926 1.39299338 -6.873383e-01
## ENSG00000122545 8.769402e+03 0.2416555115 0.15739460 1.535348e+00
## ENSG00000122547 2.148075e+02 -0.1177646316 0.23392488 -5.034293e-01
## ENSG00000122550 7.562806e+02 -0.0749738528 0.10901754 -6.877229e-01
## ENSG00000122557 8.326125e+02 0.2128481682 0.13208441 1.611456e+00
## ENSG00000122565 2.061454e+03 0.0197026930 0.10984781 1.793635e-01
## ENSG00000122566 8.038644e+03 0.2346011962 0.13678952 1.715052e+00

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## ENSG00000122574 4.577824e+00    0.0931483181 0.87413972 1.065600e-01
## ENSG00000122584 0.000000e+00      NA        NA        NA
## ENSG00000122585 0.000000e+00      NA        NA        NA
## ENSG00000122591 3.826998e+03    0.1675852082 0.19318674 8.674778e-01
## ENSG00000122592 2.143676e+00    2.2068726247 1.66155557 1.328197e+00
## ENSG00000122641 8.808339e+02    0.9837221777 0.34996376 2.810926e+00
## ENSG00000122642 6.739986e+03   -0.0066916359 0.19451398 -3.440183e-02
## ENSG00000122643 2.469019e+02    0.0675295825 0.19667562 3.433551e-01
## ENSG00000122644 2.058718e+02    0.0104113014 0.27961693 3.723416e-02
## ENSG00000122674 1.056485e+03    0.2570660627 0.26072743 9.859571e-01
## ENSG00000122678 4.017232e+02    0.2952910825 0.19855191 1.487224e+00
## ENSG00000122679 8.791901e+00   -3.0454869039 1.28788118 -2.364727e+00
## ENSG00000122687 3.249458e+02    -0.0862296248 0.15664884 -5.504645e-01
## ENSG00000122691 4.439845e+02   -0.1836895221 0.17136606 -1.071913e+00
## ENSG00000122692 1.233931e+03   -0.0073341751 0.09174293 -7.994268e-02
## ENSG00000122694 1.231773e+03   -0.2074068314 0.19005978 -1.091272e+00
## ENSG00000122696 2.761624e+02    0.1379606699 0.15504792 8.897938e-01
## ENSG00000122705 2.280770e+03   -0.1050026789 0.08272605 -1.269282e+00
## ENSG00000122707 1.158511e+04   -0.2463192290 0.23662352 -1.040975e+00
## ENSG00000122711 2.375921e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000122718 0.000000e+00      NA        NA        NA
## ENSG00000122728 1.076935e+00    0.4950146342 1.64831397 3.003157e-01
## ENSG00000122729 3.070670e+03    0.0382986058 0.17633999 2.171862e-01
## ENSG00000122733 1.124098e+01   -1.8478101720 0.94198903 -1.961605e+00
## ENSG00000122735 1.231919e+00   -1.8996953208 1.63039548 -1.165175e+00
## ENSG00000122741 1.036286e+03    0.0975866330 0.13814559 7.064043e-01
## ENSG00000122756 5.472971e-01   -1.3257182334 3.47229140 -3.817992e-01
## ENSG00000122778 2.620590e+02    -0.4330121626 0.37462385 -1.155859e+00
## ENSG00000122779 2.768776e+02   -0.2906885836 0.14068896 -2.066179e+00
## ENSG00000122783 6.767662e+02    0.2456831094 0.24448806 1.004888e+00
## ENSG00000122786 2.300279e+04    0.7385227951 0.18903077 3.906892e+00
## ENSG00000122787 2.486041e+00    0.0169383450 1.05498097 1.605559e-02
## ENSG00000122824 9.159877e+00    0.6039254644 0.85768293 7.041360e-01
## ENSG00000122852 0.000000e+00      NA        NA        NA
## ENSG00000122859 0.000000e+00      NA        NA        NA
## ENSG00000122861 8.392042e+02   -0.5282554083 0.30146725 -1.752281e+00
## ENSG00000122862 2.110623e+02    0.1830151850 0.42270872 4.329582e-01
## ENSG00000122863 1.057129e+03    0.8570172296 0.22939431 3.736000e+00
## ENSG00000122870 3.962797e+03   -0.0270894319 0.14109764 -1.919907e-01
## ENSG00000122872 1.958124e-01   0.1733657147 3.53381154 4.905913e-02
## ENSG00000122873 2.346330e+02   -0.1607958471 0.19687424 -8.167440e-01
## ENSG00000122877 1.688579e+01   -2.9456939404 0.53618282 -5.493824e+00
## ENSG00000122882 4.599089e+02   -0.0795605290 0.10805293 -7.363107e-01
## ENSG00000122884 2.677519e+03   -0.3464495581 0.18133433 -1.910557e+00
## ENSG00000122912 3.217323e+02   -0.1466314204 0.17580703 -8.340476e-01
## ENSG00000122952 7.487621e+01    0.0344670165 0.22511978 1.531052e-01
## ENSG00000122958 1.356809e+03    0.1124767824 0.09187122 1.224287e+00
## ENSG00000122965 6.650284e+02    0.1783124803 0.12553311 1.420442e+00
## ENSG00000122966 3.043860e+02   -1.6348667929 0.21474550 -7.613043e+00
## ENSG00000122970 5.777331e+02    0.5749911860 0.14745963 3.899312e+00
## ENSG00000122971 5.300002e+02    0.9830221788 0.28188534 3.487312e+00
## ENSG00000122986 8.945745e+01   -0.0328505249 0.30577644 -1.074331e-01
## ENSG00000123009 1.862932e-01   0.8946997229 3.53381154 2.531826e-01
## ENSG00000123064 8.043414e+02    0.0341137352 0.15170249 2.248726e-01

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## ENSG00000123066 3.347306e+03    0.1960351444 0.14699406 1.333626e+00
## ENSG00000123080 4.723022e+02   -0.1341537460 0.20172452 -6.650344e-01
## ENSG00000123091 2.460532e+03   -0.0320660228 0.11412418 -2.809748e-01
## ENSG00000123094 1.308347e+03    0.7348335493 0.22344507 3.288654e+00
## ENSG00000123095 1.016007e+02   -0.1291242587 0.35974516 -3.589326e-01
## ENSG00000123096 7.467369e+02    0.2311369080 0.25107066 9.206050e-01
## ENSG00000123104 2.361729e+02    0.9774825721 0.30914851 3.161854e+00
## ENSG00000123106 4.275690e+02   -0.0051891046 0.12627333 -4.109422e-02
## ENSG00000123119 8.665318e+01    0.2856211190 0.26226772 1.089044e+00
## ENSG00000123124 8.763549e+02   -0.0152544884 0.13923353 -1.095605e-01
## ENSG00000123130 9.160055e+02    0.3833807358 0.11672948 3.284352e+00
## ENSG00000123131 1.520925e+03    0.0041778180 0.12555877 3.327381e-02
## ENSG00000123136 3.601233e+02    0.2204967576 0.22215958 9.925152e-01
## ENSG00000123143 2.773213e+03    0.1246863372 0.18185556 6.856339e-01
## ENSG00000123144 1.513645e+03    0.1732141053 0.09772429 1.772477e+00
## ENSG00000123146 6.988620e+02    0.3497781082 0.37841172 9.243321e-01
## ENSG00000123154 1.461841e+02    0.4862083766 0.16112523 3.017581e+00
## ENSG00000123159 1.211335e+03    0.2463238405 0.10418959 2.364189e+00
## ENSG00000123165 0.000000e+00      NA          NA          NA
## ENSG00000123171 0.000000e+00      NA          NA          NA
## ENSG00000123178 1.923370e+02    0.5927365810 0.18664985 3.175661e+00
## ENSG00000123179 3.556562e+02    0.5247240320 0.15969683 3.285751e+00
## ENSG00000123191 9.821102e+01   -0.0262442242 0.28009042 -9.369911e-02
## ENSG00000123200 2.968256e+03    -0.0060955089 0.10643942 -5.726740e-02
## ENSG00000123201 1.862932e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000123213 5.361094e+02    0.7324568449 0.14839485 4.935864e+00
## ENSG00000123219 4.628523e+01   -0.1980137277 0.31180744 -6.350513e-01
## ENSG00000123240 5.058538e+03    -0.1052901310 0.13598090 -7.743009e-01
## ENSG00000123243 1.388417e+04   -0.8621323235 1.07924708 -7.988276e-01
## ENSG00000123268 4.272715e+02   -0.2174348881 0.12401081 -1.753354e+00
## ENSG00000123297 2.888253e+02    0.1943135434 0.15488147 1.254595e+00
## ENSG00000123307 0.000000e+00      NA          NA          NA
## ENSG00000123329 1.755926e+00    0.0213217946 1.73723599 1.227340e-02
## ENSG00000123338 1.906286e+01   -1.0078238746 1.18808843 -8.482735e-01
## ENSG00000123342 6.340306e+02    0.3572262020 0.14618040 2.443735e+00
## ENSG00000123349 4.050289e+03   -0.0419658166 0.13794323 -3.042253e-01
## ENSG00000123352 6.391008e+02   -0.5614916233 0.13671518 -4.107017e+00
## ENSG00000123353 2.159266e+02    0.3799597222 0.22664180 1.676477e+00
## ENSG00000123358 2.528807e+02    1.3895245280 0.23485666 5.916479e+00
## ENSG00000123360 4.118980e+00   -0.9430527484 1.20812561 -7.805916e-01
## ENSG00000123364 2.776034e-01    1.7547236597 3.51383760 4.993753e-01
## ENSG00000123374 3.568110e+02    0.3950773182 0.24508935 1.611973e+00
## ENSG00000123384 8.548036e+04   -0.1226490998 0.11633415 -1.054283e+00
## ENSG00000123388 0.000000e+00      NA          NA          NA
## ENSG00000123395 5.990070e+02    0.2767752096 0.10569740 2.618562e+00
## ENSG00000123405 1.267380e+01   -2.4782330336 0.58618056 -4.227764e+00
## ENSG00000123407 0.000000e+00      NA          NA          NA
## ENSG00000123411 2.437792e+02   -0.5717799098 0.14250017 -4.012486e+00
## ENSG00000123415 2.585350e+02   -0.0830998993 0.15139993 -5.488767e-01
## ENSG00000123416 8.248079e+03   -0.7674888853 0.24841178 -3.089583e+00
## ENSG00000123427 1.646037e+02    0.0286964738 0.28080836 1.021924e-01
## ENSG00000123444 4.173361e+02   -0.0906575429 0.14709207 -6.163319e-01
## ENSG00000123447 0.000000e+00      NA          NA          NA
## ENSG00000123453 3.693948e+01   -0.1837129304 0.57192708 -3.212174e-01

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## ENSG00000123454 2.099820e+00 -0.0973245258 1.12103856 -8.681639e-02
## ENSG00000123472 7.860461e+02 -0.0474546847 0.10704761 -4.433045e-01
## ENSG00000123473 1.175341e+02 0.1554544537 0.27478851 5.657240e-01
## ENSG00000123485 3.145334e+01 0.9918700783 0.36807832 2.694726e+00
## ENSG00000123496 2.320433e+02 -0.1733916214 0.47495185 -3.650720e-01
## ENSG00000123500 2.601301e+01 -0.3376496593 1.10729485 -3.049320e-01
## ENSG00000123505 5.456391e+02 0.1705035857 0.14026717 1.215563e+00
## ENSG00000123545 1.452281e+02 0.2370361408 0.24078344 9.844370e-01
## ENSG00000123552 2.537465e+02 0.0479608952 0.20506452 2.338820e-01
## ENSG00000123560 8.912604e+00 -0.9238027323 0.69887289 -1.321847e+00
## ENSG00000123561 0.000000e+00 NA NA NA
## ENSG00000123562 5.008553e+03 1.0045451688 0.08904321 1.128155e+01
## ENSG00000123569 0.000000e+00 NA NA NA
## ENSG00000123570 5.891697e+01 -0.3874145964 0.32666291 -1.185977e+00
## ENSG00000123572 1.061252e+02 1.3264805281 0.58659067 2.261339e+00
## ENSG00000123575 6.733620e+02 0.2192210766 0.12705432 1.725412e+00
## ENSG00000123576 0.000000e+00 NA NA NA
## ENSG00000123584 0.000000e+00 NA NA NA
## ENSG00000123594 0.000000e+00 NA NA NA
## ENSG00000123595 5.662488e+02 0.1128475851 0.13478395 8.372480e-01
## ENSG00000123600 5.368820e+02 -0.2174739711 0.18071936 -1.203379e+00
## ENSG00000123607 4.393840e+02 0.2436815769 0.10864340 2.242949e+00
## ENSG00000123609 2.335822e+02 -0.3592189554 0.16712862 -2.149356e+00
## ENSG00000123610 3.198991e+02 -2.4297265771 0.48859791 -4.972855e+00
## ENSG00000123612 2.259655e+01 -1.6063462301 0.47622273 -3.373099e+00
## ENSG00000123636 7.206084e+02 -0.3712133574 0.13559248 -2.737713e+00
## ENSG00000123643 8.079668e+02 0.8852651946 0.18936577 4.674895e+00
## ENSG00000123684 1.057342e+03 0.2020254127 0.10895693 1.854177e+00
## ENSG00000123685 4.378150e+01 2.0182921541 0.50697596 3.981041e+00
## ENSG00000123689 4.228706e+01 -2.6884625661 0.51158089 -5.255205e+00
## ENSG00000123700 8.669479e+02 -0.1730680949 0.24593482 -7.037153e-01
## ENSG00000123728 5.948292e+02 -0.0044577976 0.12796806 -3.483524e-02
## ENSG00000123737 4.903898e+02 0.6896720194 0.21773021 3.167553e+00
## ENSG00000123739 6.160415e+02 -0.3684036076 0.18902523 -1.948965e+00
## ENSG00000123810 5.136960e+01 -0.2470746791 0.28075746 -8.800289e-01
## ENSG00000123815 3.967661e+02 -0.1609098634 0.16670882 -9.652151e-01
## ENSG00000123836 3.365097e+02 -0.0041328735 0.14878439 -2.777760e-02
## ENSG00000123838 4.238265e+00 0.0306445563 0.97256143 3.150912e-02
## ENSG00000123843 3.711613e+01 0.5514697426 0.32688190 1.687061e+00
## ENSG00000123870 3.648644e+01 0.0147163311 0.60549835 2.430449e-02
## ENSG00000123892 3.374888e+01 -0.0170748174 0.51329976 -3.326481e-02
## ENSG00000123901 6.137432e+00 -0.2759617737 0.71325333 -3.869057e-01
## ENSG00000123908 1.665210e+03 0.4224516932 0.18674514 2.262183e+00
## ENSG00000123933 3.525060e+03 -0.2487452277 0.17781039 -1.398935e+00
## ENSG00000123965 1.165436e+01 0.1246638099 0.79497418 1.568149e-01
## ENSG00000123975 2.505743e+02 0.0841718468 0.22012998 3.823734e-01
## ENSG00000123977 5.159131e+00 0.8631633107 1.10036381 7.844345e-01
## ENSG00000123983 2.741065e+03 -0.3224123159 0.22499069 -1.433003e+00
## ENSG00000123989 3.031710e+03 0.2946388463 0.15656223 1.881928e+00
## ENSG00000123992 1.737965e+03 -0.0398871046 0.14024781 -2.844045e-01
## ENSG00000123999 1.734572e+01 0.6725987208 0.43722773 1.538326e+00
## ENSG00000124003 3.485272e-01 -0.6384443796 3.36463731 -1.897513e-01
## ENSG00000124006 1.621408e+03 0.3773133760 0.13544129 2.785808e+00
## ENSG00000124019 2.946910e+00 0.2641600651 1.05497152 2.503954e-01

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## ENSG00000124067 1.855651e+03    0.0919071540 0.14508703 6.334622e-01
## ENSG00000124074 2.560342e+02    0.0592586810 0.14143449 4.189832e-01
## ENSG00000124089 0.000000e+00      NA          NA          NA
## ENSG00000124091 5.134318e+00    -0.6938210608 0.75647850 -9.171722e-01
## ENSG00000124092 1.091093e+01    -0.1218547726 0.68175702 -1.787364e-01
## ENSG00000124097 5.476059e-01    -1.5202860556 2.43156555 -6.252293e-01
## ENSG00000124098 2.784509e+03    -0.0221830704 0.16246025 -1.365446e-01
## ENSG00000124102 2.453481e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000124103 2.619589e+00    -1.0635839866 1.22686829 -8.669097e-01
## ENSG00000124104 1.085134e+03    -0.7930795114 0.23420057 -3.386326e+00
## ENSG00000124107 1.349037e+01    -0.0729380590 0.75675616 -9.638251e-02
## ENSG00000124116 1.457132e+01    -0.1313766967 0.83826475 -1.567246e-01
## ENSG00000124120 8.878177e+02     0.1759961525 0.13604133 1.293696e+00
## ENSG00000124126 2.060342e+02    -0.7630538961 0.36837563 -2.071402e+00
## ENSG00000124134 2.660465e+01    -2.5700055285 0.78524170 -3.272885e+00
## ENSG00000124140 9.518207e+00    0.4121563918 0.57849136 7.124677e-01
## ENSG00000124143 0.000000e+00      NA          NA          NA
## ENSG00000124145 5.523074e+03    -0.3826167221 0.18251261 -2.096385e+00
## ENSG00000124151 1.617040e+03     1.3512233843 0.20302290 6.655522e+00
## ENSG00000124155 4.893536e+03    -0.0532339476 0.09413112 -5.655297e-01
## ENSG00000124157 0.000000e+00      NA          NA          NA
## ENSG00000124159 2.233754e+00    -1.4205943720 1.20311006 -1.180768e+00
## ENSG00000124160 6.841222e+02     0.0116594099 0.13644891 8.544891e-02
## ENSG00000124164 1.241711e+03     0.2325818335 0.13639739 1.705178e+00
## ENSG00000124171 2.513407e+01     0.6676734378 0.47731335 1.398816e+00
## ENSG00000124172 2.420964e+03     0.1051718072 0.17982348 5.848614e-01
## ENSG00000124177 1.513346e+03     -0.2614977286 0.20421916 -1.280476e+00
## ENSG00000124181 1.554003e+03     -0.0639598897 0.16414683 -3.896505e-01
## ENSG00000124191 2.192855e+02     -0.2940018436 0.34899661 -8.424203e-01
## ENSG00000124193 2.731797e+03     -0.1999482268 0.12973660 -1.541186e+00
## ENSG00000124194 1.550118e+00     -1.9954631279 2.15984247 -9.238929e-01
## ENSG00000124196 0.000000e+00      NA          NA          NA
## ENSG00000124198 1.645925e+03     0.3314620609 0.13436171 2.466938e+00
## ENSG00000124201 3.133549e+03     0.0465519017 0.09464317 4.918675e-01
## ENSG00000124203 0.000000e+00      NA          NA          NA
## ENSG00000124205 2.630364e-01     1.7010395714 3.51732531 4.836174e-01
## ENSG00000124207 1.270279e+03     -0.0710027530 0.10546600 -6.732288e-01
## ENSG00000124208 2.340476e+02     0.3373148399 0.30946919 1.089979e+00
## ENSG00000124209 1.218557e+03     0.0472119561 0.09822362 4.806579e-01
## ENSG00000124212 9.969468e+03     -0.6651987145 0.38962529 -1.707278e+00
## ENSG00000124214 2.943792e+03     -0.0885092992 0.10188699 -8.687007e-01
## ENSG00000124215 8.049487e+00     1.4163356002 0.78800055 1.797379e+00
## ENSG00000124216 6.585099e+01     -0.5713785022 0.31939678 -1.788930e+00
## ENSG00000124217 1.967779e+02     -0.0208290398 0.17126019 -1.216222e-01
## ENSG00000124222 1.758287e+03     -0.1786394599 0.10528510 -1.696721e+00
## ENSG00000124224 2.346014e+02     -0.3980520317 0.16421283 -2.424001e+00
## ENSG00000124225 1.483442e+02     -0.8784897143 0.55489681 -1.583159e+00
## ENSG00000124226 1.582870e+03     -0.5510997573 0.10636191 -5.181364e+00
## ENSG00000124227 0.000000e+00      NA          NA          NA
## ENSG00000124228 9.082146e+02     0.1746461871 0.09425391 1.852933e+00
## ENSG00000124232 8.973850e-02     0.8946997229 3.53381154 2.531826e-01
## ENSG00000124233 0.000000e+00      NA          NA          NA
## ENSG00000124237 0.000000e+00      NA          NA          NA
## ENSG00000124243 3.631383e+02     -0.2723178230 0.17017109 -1.600259e+00

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```

## ENSG00000124249 2.084474e+02 -1.3412203767 0.50992250 -2.630244e+00
## ENSG00000124251 1.253605e+01 0.1813128729 0.52532010 3.451474e-01
## ENSG00000124253 2.442436e+00 1.3043341305 1.13557681 1.148609e+00
## ENSG00000124256 8.625753e+00 0.5283791292 0.82257869 6.423448e-01
## ENSG00000124257 6.638586e+01 -0.3649995206 0.22636594 -1.612431e+00
## ENSG00000124260 4.470231e+00 0.0381570875 0.76356510 4.997228e-02
## ENSG00000124275 5.842466e+02 0.1687645868 0.26183846 6.445370e-01
## ENSG00000124279 1.101139e+02 -0.1338230441 0.21419874 -6.247611e-01
## ENSG00000124299 1.622027e+03 -0.1206937179 0.10762352 -1.121444e+00
## ENSG00000124302 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000124313 3.296462e+02 0.2744928695 0.13759828 1.994886e+00
## ENSG00000124333 9.474323e+02 0.0313184748 0.10555473 2.967037e-01
## ENSG00000124334 1.208043e+00 0.8663466788 2.68466889 3.227015e-01
## ENSG00000124343 1.135730e+03 0.0858697828 0.14483387 5.928847e-01
## ENSG00000124356 6.227273e+02 -0.0524048197 0.11734769 -4.465773e-01
## ENSG00000124357 1.265577e+03 -0.2944787137 0.13901055 -2.118391e+00
## ENSG00000124370 1.551603e+02 -0.3979919542 0.17818058 -2.233644e+00
## ENSG00000124374 3.213178e+01 1.0678431006 0.34195334 3.122774e+00
## ENSG00000124380 5.257862e+02 0.0640166062 0.10508965 6.091619e-01
## ENSG00000124383 5.054141e+02 -0.1587303775 0.12113777 -1.310329e+00
## ENSG00000124391 2.453481e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000124399 0.000000e+00 NA NA NA
## ENSG00000124406 3.126826e+01 -0.6017979158 0.61468658 -9.790321e-01
## ENSG00000124422 5.111005e+03 -0.4142920028 0.10472055 -3.956167e+00
## ENSG00000124429 4.411604e-01 0.1383509203 2.60704103 5.306818e-02
## ENSG00000124440 2.210549e+02 1.9711809824 0.51336905 3.839696e+00
## ENSG00000124444 1.678239e+02 -0.2333709205 0.20803208 -1.121803e+00
## ENSG00000124449 4.738883e-01 1.3858885251 3.08025089 4.499272e-01
## ENSG00000124459 2.623818e+02 -0.2868697916 0.15177917 -1.890047e+00
## ENSG00000124466 2.016705e+01 -1.4103658197 0.43583124 -3.236037e+00
## ENSG00000124467 6.754816e+00 -0.2391140655 1.53686662 -1.555854e-01
## ENSG00000124469 3.919525e+00 -1.3835519799 0.97252695 -1.422636e+00
## ENSG00000124479 2.121941e+00 -4.4467416257 1.87066717 -2.377089e+00
## ENSG00000124486 5.490661e+03 0.3837393290 0.15398583 2.492043e+00
## ENSG00000124490 0.000000e+00 NA NA NA
## ENSG00000124491 0.000000e+00 NA NA NA
## ENSG00000124493 5.410388e+00 -0.4863706830 1.31511063 -3.698325e-01
## ENSG00000124496 4.840605e+02 -0.7805267635 0.12729626 -6.131577e+00
## ENSG00000124507 3.318174e+00 0.4579073834 1.48799848 3.077338e-01
## ENSG00000124508 2.344777e+02 -0.3809771174 0.23754849 -1.603787e+00
## ENSG00000124523 2.141568e+02 0.0852461847 0.15616751 5.458638e-01
## ENSG00000124532 3.308873e+02 0.0229386546 0.11895497 1.928348e-01
## ENSG00000124535 7.707367e+02 0.1583565426 0.09869919 1.604436e+00
## ENSG00000124541 4.793549e+02 0.0129767910 0.14774393 8.783299e-02
## ENSG00000124549 1.463441e+02 -0.1158769483 0.18771395 -6.173060e-01
## ENSG00000124557 8.004934e-01 2.2352426153 1.94531693 1.149038e+00
## ENSG00000124562 6.869846e+02 0.0386550028 0.15094822 2.560812e-01
## ENSG00000124564 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000124568 0.000000e+00 NA NA NA
## ENSG00000124570 1.624698e+03 -0.1873285393 0.12130099 -1.544328e+00
## ENSG00000124571 5.902556e+02 -0.0068778649 0.15336419 -4.484661e-02
## ENSG00000124574 5.364455e+02 0.0189586722 0.19913375 9.520572e-02
## ENSG00000124575 1.027100e+00 0.0977110903 2.28425657 4.277588e-02
## ENSG00000124587 6.771406e+02 0.1477888178 0.28333221 5.216097e-01

```

```

## ENSG00000124588 3.601350e+02 -0.1754364708 0.15943917 -1.100335e+00
## ENSG00000124593 1.099712e+02 0.1960627094 0.18567974 1.055919e+00
## ENSG00000124596 3.518058e+02 0.1149550298 0.14894150 7.718133e-01
## ENSG00000124602 4.702395e+00 -0.3775254081 0.91260786 -4.136776e-01
## ENSG00000124608 3.825276e+02 -0.7200424983 0.22446604 -3.207802e+00
## ENSG00000124610 0.000000e+00 NA NA NA
## ENSG00000124613 1.235158e+02 -0.3424623767 0.28077128 -1.219720e+00
## ENSG00000124614 8.718073e+03 0.0215182520 0.22970482 9.367784e-02
## ENSG00000124615 5.284951e+02 0.5077133347 0.20734561 2.448633e+00
## ENSG00000124635 3.697441e+01 0.2240437732 0.35100947 6.382841e-01
## ENSG00000124641 3.610591e+02 0.0248566652 0.16573261 1.499805e-01
## ENSG00000124657 3.825780e-01 0.8194074584 3.24082488 2.528392e-01
## ENSG00000124659 4.810459e+02 0.2420673427 0.16485661 1.468351e+00
## ENSG00000124664 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000124678 1.822852e+00 -0.6749392155 1.64648507 -4.099273e-01
## ENSG00000124688 2.825448e+02 0.2093995384 0.14296261 1.464715e+00
## ENSG00000124701 8.402882e-01 0.5611046698 1.94886175 2.879140e-01
## ENSG00000124702 1.042624e+03 0.6285854450 0.09811085 6.406890e+00
## ENSG00000124713 5.388376e+00 0.0658299181 0.69009228 9.539292e-02
## ENSG00000124721 6.414405e-01 -0.4185859456 2.96349362 -1.412475e-01
## ENSG00000124731 1.069670e+00 1.7557049811 2.61251712 6.720358e-01
## ENSG00000124733 7.833264e+02 -0.1452537675 0.11728587 -1.238459e+00
## ENSG00000124743 2.703554e+00 0.0722155121 1.09656928 6.585586e-02
## ENSG00000124749 1.071329e+02 -0.5903250408 0.31572250 -1.869759e+00
## ENSG00000124762 8.083339e+03 -0.9820957035 0.23445974 -4.188761e+00
## ENSG00000124766 1.291408e+03 -2.3365482342 0.25161233 -9.286303e+00
## ENSG00000124767 1.580313e+03 0.1537405601 0.11810213 1.301759e+00
## ENSG00000124772 1.675505e+01 1.4601848613 0.52804266 2.765278e+00
## ENSG00000124780 3.949539e-01 -2.0032883166 3.47499160 -5.764872e-01
## ENSG00000124782 6.205794e+02 -0.0102205798 0.09360798 -1.091849e-01
## ENSG00000124783 2.877514e+03 -0.1045292455 0.12025230 -8.692494e-01
## ENSG00000124784 3.188973e+02 0.0323559283 0.15944195 2.029323e-01
## ENSG00000124785 1.121845e+01 -0.3986768487 0.75140003 -5.305787e-01
## ENSG00000124786 6.648964e+02 0.1654310748 0.14099443 1.173316e+00
## ENSG00000124787 6.149488e+01 -0.2103104359 0.28567722 -7.361820e-01
## ENSG00000124788 1.398523e+03 -0.2565820230 0.15612914 -1.643396e+00
## ENSG00000124789 1.136332e+03 0.0548297800 0.09846826 5.568269e-01
## ENSG00000124795 2.796380e+03 0.1537101985 0.15238582 1.008691e+00
## ENSG00000124802 1.433467e+02 0.2269918005 0.21091758 1.076211e+00
## ENSG00000124812 0.000000e+00 NA NA NA
## ENSG00000124813 1.450062e+02 -0.0162774719 0.34525782 -4.714585e-02
## ENSG00000124818 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000124827 3.653351e-01 -1.9012116495 3.25807053 -5.835391e-01
## ENSG00000124831 2.084867e+03 0.4385942564 0.20331273 2.157240e+00
## ENSG00000124839 8.054486e+00 1.2213500973 0.95633831 1.277111e+00
## ENSG00000124875 2.518884e+01 0.3045845228 1.09481523 2.782063e-01
## ENSG00000124882 1.381910e+01 0.1623585928 0.63926864 2.539755e-01
## ENSG00000124900 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000124920 2.245198e+01 0.7732815414 0.43844469 1.763692e+00
## ENSG00000124935 0.000000e+00 NA NA NA
## ENSG00000124939 0.000000e+00 NA NA NA
## ENSG00000124942 9.702104e+04 0.3380419537 0.11911389 2.837973e+00
## ENSG00000125037 1.231697e+03 0.2717740008 0.09732556 2.792422e+00
## ENSG00000125046 1.642823e+01 -0.8266739063 0.52860025 -1.563892e+00

```

## ENSG00000125084	0.000000e+00	NA	NA	NA
## ENSG00000125089	6.967865e+00	-0.1108997345	1.12147193	-9.888766e-02
## ENSG00000125107	3.911866e+03	0.0252840706	0.14104541	1.792619e-01
## ENSG00000125122	4.225005e+01	-0.1929318197	0.36990987	-5.215644e-01
## ENSG00000125124	1.063819e+03	-0.3777182712	0.18359851	-2.057306e+00
## ENSG00000125144	1.825539e+01	2.5244122341	1.33606839	1.889433e+00
## ENSG00000125148	3.695879e+03	2.1985635709	0.16700874	1.316436e+01
## ENSG00000125149	3.361649e+02	-0.0436414134	0.13437671	-3.247692e-01
## ENSG00000125166	8.027296e+02	-0.0529934477	0.17618037	-3.007909e-01
## ENSG00000125170	4.570930e+02	0.1691044418	0.22273178	7.592291e-01
## ENSG00000125207	0.000000e+00	NA	NA	NA
## ENSG00000125245	1.361651e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000125246	3.373126e+01	0.4871747200	0.37264879	1.307329e+00
## ENSG00000125247	2.872145e+02	-0.5235746657	0.26941988	-1.943341e+00
## ENSG00000125249	7.523260e+02	-0.0020174669	0.20784888	-9.706412e-03
## ENSG00000125255	2.453481e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000125257	1.305505e+03	0.4904213197	0.26278398	1.866253e+00
## ENSG00000125266	1.203052e+03	0.3372395786	0.37303821	9.040349e-01
## ENSG00000125285	1.388017e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000125304	3.017815e+03	0.1289197024	0.11079165	1.163623e+00
## ENSG00000125319	2.642639e+01	-0.1293821601	0.48469099	-2.669374e-01
## ENSG00000125337	1.360131e+00	0.4214721241	1.40409901	3.001727e-01
## ENSG00000125347	5.073943e+02	-0.5097555064	0.21879094	-2.329875e+00
## ENSG00000125351	2.929756e+02	0.1533934783	0.17213441	8.911262e-01
## ENSG00000125352	1.691798e+02	0.1508584830	0.16085996	9.378250e-01
## ENSG00000125354	2.369649e+02	-0.2051778086	0.25623366	-8.007449e-01
## ENSG00000125355	6.617544e+00	-0.3082069813	0.74033776	-4.163059e-01
## ENSG00000125356	6.930435e+02	0.2266704392	0.10420678	2.175199e+00
## ENSG00000125363	0.000000e+00	NA	NA	NA
## ENSG00000125375	5.008587e+02	0.3671680090	0.17902435	2.050939e+00
## ENSG00000125378	2.724772e+03	0.1483512920	0.25788070	5.752710e-01
## ENSG00000125384	2.820912e+02	0.2878817546	0.27866182	1.033086e+00
## ENSG00000125385	0.000000e+00	NA	NA	NA
## ENSG00000125386	6.904067e+02	-0.0019270076	0.11336995	-1.699752e-02
## ENSG00000125388	1.358294e+02	-0.1669752248	0.18343106	-9.102887e-01
## ENSG00000125398	5.721802e+02	-1.2387405054	0.36161004	-3.425625e+00
## ENSG00000125409	9.466438e+00	-0.8393334471	0.95087149	-8.826991e-01
## ENSG00000125414	7.863549e-01	2.1536521757	2.77597303	7.758188e-01
## ENSG00000125430	3.276313e+02	0.9161441645	0.16093842	5.692514e+00
## ENSG00000125434	9.812093e+01	-0.0699468424	0.22591283	-3.096187e-01
## ENSG00000125445	4.250789e+02	0.0506206378	0.15851659	3.193397e-01
## ENSG00000125447	6.065748e+02	0.2251989204	0.11537885	1.951821e+00
## ENSG00000125449	1.709503e+02	0.1191325347	0.15906695	7.489459e-01
## ENSG00000125450	4.356027e+02	0.2487956922	0.13327764	1.866747e+00
## ENSG00000125454	8.632123e+01	0.5527112658	0.24252423	2.278994e+00
## ENSG00000125457	1.724516e+02	0.3473098565	0.25552367	1.359208e+00
## ENSG00000125458	2.995300e+02	0.1569188412	0.13793314	1.137644e+00
## ENSG00000125459	3.180014e+02	-0.2257730863	0.19033380	-1.186195e+00
## ENSG00000125462	6.223309e+00	0.0211846474	0.70400366	3.009167e-02
## ENSG00000125482	2.813664e+02	-0.2180977522	0.16210823	-1.345384e+00
## ENSG00000125484	9.846843e+02	-0.0667311103	0.11032132	-6.048795e-01
## ENSG00000125485	1.915571e+02	0.1461955023	0.18501684	7.901740e-01
## ENSG00000125492	3.511638e-01	0.8190074632	3.31790428	2.468448e-01
## ENSG00000125498	0.000000e+00	NA	NA	NA

```

## ENSG00000125503 2.642930e+03    0.6799749389 0.08490716  8.008452e+00
## ENSG00000125505 8.178754e+02   -0.0073841923 0.23772224 -3.106227e-02
## ENSG00000125508 1.949547e+00    0.6272296701 1.30896910  4.791784e-01
## ENSG00000125510 5.412275e+01   -0.4263478213 0.33594173 -1.269112e+00
## ENSG00000125520 9.965981e+02   -0.4969577576 0.18031272 -2.756088e+00
## ENSG00000125522 0.000000e+00      NA          NA          NA
## ENSG00000125531 1.352118e+01   -0.5441089936 0.52910757 -1.028352e+00
## ENSG00000125533 0.000000e+00      NA          NA          NA
## ENSG00000125534 2.148615e+03   -0.0640513561 0.10919572 -5.865739e-01
## ENSG00000125538 8.483738e-01   -1.5357836551 2.82284796 -5.440547e-01
## ENSG00000125551 2.635309e+01    0.4521274244 0.40918974  1.104933e+00
## ENSG00000125571 0.000000e+00      NA          NA          NA
## ENSG00000125611 1.653193e+02   -0.1320940325 0.19111163 -6.911878e-01
## ENSG00000125618 3.327019e+01   -0.4348026805 1.08378091 -4.011906e-01
## ENSG00000125629 4.412657e+02    0.3495913543 0.19266307  1.814522e+00
## ENSG00000125630 2.850789e+02    0.0102150018 0.23610199  4.326521e-02
## ENSG00000125631 1.170959e+00    0.1801037334 1.58825363  1.133973e-01
## ENSG00000125633 1.677155e+03   -0.2453408985 0.10373037 -2.365179e+00
## ENSG00000125637 9.472388e+01   -0.4643807188 0.26504004 -1.752115e+00
## ENSG00000125648 1.569460e+03   -0.0293370573 0.12628756 -2.323036e-01
## ENSG00000125650 5.958808e+01    0.4712347406 0.27265750  1.728303e+00
## ENSG00000125651 1.455247e+03   -0.1319504898 0.09622438 -1.371279e+00
## ENSG00000125652 2.543146e+02    0.1426513525 0.23331695  6.114059e-01
## ENSG00000125656 4.775871e+02    0.1373716041 0.10736697  1.279459e+00
## ENSG00000125657 1.392642e+01   -1.6318393499 0.52603131 -3.102172e+00
## ENSG00000125675 4.270406e+02   -0.6224323461 0.17180715 -3.622855e+00
## ENSG00000125676 1.955684e+03    0.6328609488 0.21075177  3.002874e+00
## ENSG00000125686 1.354769e+03    0.0510217492 0.07200940  7.085429e-01
## ENSG00000125691 1.162139e+04   -0.0039252014 0.13245178 -2.963495e-02
## ENSG00000125695 8.523707e-01   -3.1389091656 3.42540194 -9.163623e-01
## ENSG00000125703 2.380126e+02   -0.0545270200 0.25672001 -2.123988e-01
## ENSG00000125726 9.116544e-01   3.3747981468 2.58240979  1.306841e+00
## ENSG00000125730 8.445143e+03    0.0075729433 0.33041672  2.291937e-02
## ENSG00000125731 4.145888e+01   -0.0300684093 0.35734507 -8.414390e-02
## ENSG00000125733 1.616778e+03    0.2079566548 0.15942204  1.304441e+00
## ENSG00000125734 1.177620e+03   -0.0930071369 0.16057418 -5.792160e-01
## ENSG00000125735 1.079940e+01   -0.5613297454 0.66596626 -8.428802e-01
## ENSG00000125740 2.236789e+01    0.1684082870 0.43645787  3.858523e-01
## ENSG00000125741 5.334274e+02    0.0620143953 0.12013494  5.162062e-01
## ENSG00000125743 1.778758e+03   -0.0206698074 0.11075698 -1.866231e-01
## ENSG00000125744 4.171183e+02    0.3825200966 0.16113550  2.373903e+00
## ENSG00000125746 5.493038e+02    0.3287795690 0.13447748  2.444867e+00
## ENSG00000125753 9.455816e+02    0.4190795648 0.16469827  2.544529e+00
## ENSG00000125755 1.283159e+03    0.1014890965 0.15722929  6.454847e-01
## ENSG00000125772 3.367129e+02   -0.3810814951 0.28162396 -1.353157e+00
## ENSG00000125775 4.136222e+01    0.3300152826 0.37919928  8.702951e-01
## ENSG00000125779 6.441034e+02    0.0309564680 0.12696331  2.438222e-01
## ENSG00000125780 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000125787 1.053354e+00   -0.9190097133 1.62969441 -5.639154e-01
## ENSG00000125788 0.000000e+00      NA          NA          NA
## ENSG00000125798 0.000000e+00      NA          NA          NA
## ENSG00000125810 2.809202e+00   -0.5232435811 1.40279634 -3.730004e-01
## ENSG00000125812 3.060509e+02    0.0350050841 0.17064258  2.051369e-01
## ENSG00000125813 2.212567e-01    1.5394092681 3.52295593  4.369652e-01

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## ENSG00000125814 2.218015e+02    0.2086580827 0.14217995 1.467563e+00
## ENSG00000125815 0.000000e+00      NA        NA        NA
## ENSG00000125816 0.000000e+00      NA        NA        NA
## ENSG00000125817 1.892243e+03    0.1277927639 0.11555957 1.105860e+00
## ENSG00000125818 1.742118e+03    0.1063352796 0.17098020 6.219158e-01
## ENSG00000125820 0.000000e+00      NA        NA        NA
## ENSG00000125821 5.167515e+02    0.1129684566 0.10661454 1.059597e+00
## ENSG00000125823 1.430988e+00    0.4190816143 1.81313591 2.311363e-01
## ENSG00000125826 1.419032e+03    0.0026757148 0.08172869 3.273899e-02
## ENSG00000125827 1.979925e+03    0.1347983393 0.21308098 6.326155e-01
## ENSG00000125831 0.000000e+00      NA        NA        NA
## ENSG00000125834 4.850421e+02    -0.1899988566 0.12853926 -1.478139e+00
## ENSG00000125835 8.311078e+02    0.4150320285 0.17672754 2.348429e+00
## ENSG00000125841 1.183746e+03    -0.1458092609 0.08865741 -1.644637e+00
## ENSG00000125843 2.962262e+02    -0.1928682530 0.14116847 -1.366228e+00
## ENSG00000125844 1.200893e+04    0.0582741366 0.16890748 3.450063e-01
## ENSG00000125845 1.017296e+02    -0.4312667384 0.42109068 -1.024166e+00
## ENSG00000125846 2.696434e+02    -0.0056752753 0.16327928 -3.475809e-02
## ENSG00000125848 1.847256e+02    -2.4707949398 0.35117192 -7.035856e+00
## ENSG00000125850 0.000000e+00      NA        NA        NA
## ENSG00000125851 1.366509e+03    0.1910312628 0.70097341 2.725228e-01
## ENSG00000125861 0.000000e+00      NA        NA        NA
## ENSG00000125863 5.432414e+02    -0.0285333654 0.14360373 -1.986952e-01
## ENSG00000125864 5.520923e+01    0.0951484111 0.41367010 2.300104e-01
## ENSG00000125868 1.593794e+04    0.9010211431 0.21315949 4.226981e+00
## ENSG00000125869 6.340781e-01    -0.2317957951 2.42848527 -9.544871e-02
## ENSG00000125870 5.889170e+02    0.1237740915 0.11117495 1.113327e+00
## ENSG00000125871 2.934877e+02    0.1748635094 0.22766222 7.680831e-01
## ENSG00000125872 3.214209e+00    2.9718919010 1.49585632 1.986750e+00
## ENSG00000125875 1.715552e+03    0.0134121662 0.13549395 9.898720e-02
## ENSG00000125877 4.148588e+02    0.3655937672 0.20018429 1.826286e+00
## ENSG00000125878 0.000000e+00      NA        NA        NA
## ENSG00000125879 0.000000e+00      NA        NA        NA
## ENSG00000125885 1.648746e+02    0.1086039359 0.15679825 6.926349e-01
## ENSG00000125888 0.000000e+00      NA        NA        NA
## ENSG00000125895 1.967547e+00    0.0981601921 1.27795068 7.681063e-02
## ENSG00000125898 7.642282e+01    0.1953305542 0.38167534 5.117715e-01
## ENSG00000125900 0.000000e+00      NA        NA        NA
## ENSG00000125901 2.467533e+02    0.1266019138 0.14894588 8.499860e-01
## ENSG00000125903 0.000000e+00      NA        NA        NA
## ENSG00000125910 2.422390e-01    -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000125912 1.225647e+03    0.1791938623 0.12838686 1.395734e+00
## ENSG00000125931 1.269768e+00    1.3520675049 1.85131993 7.303262e-01
## ENSG00000125944 8.996772e+02    -0.1070323975 0.17564225 -6.093773e-01
## ENSG00000125945 3.823893e+02    -0.4876159223 0.19780021 -2.465194e+00
## ENSG00000125952 1.134988e+03    0.1031274000 0.13612282 7.576055e-01
## ENSG00000125954 6.106762e+01    0.0932251294 0.36991832 2.520154e-01
## ENSG00000125962 2.002264e+02    -0.2715335636 0.18682744 -1.453392e+00
## ENSG00000125965 4.576117e+02    -1.2244131752 0.28453386 -4.303225e+00
## ENSG00000125966 6.667467e+01    0.4537395331 0.43706068 1.038161e+00
## ENSG00000125967 2.148908e+02    -0.3241585674 0.19641023 -1.650416e+00
## ENSG00000125968 5.142322e+01    0.7136642991 0.37644125 1.895819e+00
## ENSG00000125970 2.091880e+03    -0.4312629242 0.10476064 -4.116650e+00
## ENSG00000125971 1.436560e+03    0.1390119586 0.12290377 1.131063e+00

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```

## ENSG00000125975 0.000000e+00 NA NA NA
## ENSG00000125977 2.103983e+03 0.0559604176 0.08071099 6.933432e-01
## ENSG00000125991 3.701886e+03 -0.0997426338 0.12758937 -7.817472e-01
## ENSG00000125995 3.799722e+02 0.1443514757 0.18361915 7.861461e-01
## ENSG00000125997 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000125998 4.559863e+00 -0.2110617529 0.93115976 -2.266655e-01
## ENSG00000125999 3.033254e+00 -0.3687915301 0.92317572 -3.994814e-01
## ENSG00000126001 8.704710e+02 -0.2694773837 0.16861520 -1.598180e+00
## ENSG00000126003 3.601599e+02 0.2261365445 0.13843649 1.633504e+00
## ENSG00000126005 1.030192e+03 0.1237766464 0.14547517 8.508438e-01
## ENSG00000126010 4.385515e+00 -1.2904242042 0.83887935 -1.538272e+00
## ENSG00000126012 1.840690e+03 0.0476387598 0.19509472 2.441827e-01
## ENSG00000126016 4.043984e+02 -2.4980044752 0.33276258 -7.506867e+00
## ENSG00000126062 1.341136e+03 0.3757434596 0.08529021 4.405470e+00
## ENSG00000126067 1.217063e+03 -0.1022078522 0.10993156 -9.297407e-01
## ENSG00000126070 5.285302e+02 -0.0748683697 0.26280650 -2.848802e-01
## ENSG00000126088 1.189137e+03 -0.2482653743 0.13751173 -1.805412e+00
## ENSG00000126091 2.209434e+02 -0.1795745508 0.13648878 -1.315673e+00
## ENSG00000126106 1.355733e+02 0.7142746106 0.31459253 2.270475e+00
## ENSG00000126107 1.158592e+03 -0.0865392287 0.10236225 -8.454213e-01
## ENSG00000126214 2.546627e+03 0.2909778762 0.08427543 3.452701e+00
## ENSG00000126215 1.565018e+02 0.2022270776 0.18492100 1.093586e+00
## ENSG00000126216 4.767528e+02 -0.1363495612 0.11940041 -1.141952e+00
## ENSG00000126217 4.137885e+00 -1.3498244245 1.26062885 -1.070755e+00
## ENSG00000126218 2.946418e+02 0.7469377963 0.23178373 3.222564e+00
## ENSG00000126226 9.035746e+02 0.1043940704 0.12805619 8.152208e-01
## ENSG00000126231 2.726728e+00 0.4097816381 1.19393737 3.432187e-01
## ENSG00000126233 2.126202e-01 -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000126243 3.098613e+02 0.2748079705 0.13228664 2.077368e+00
## ENSG00000126246 4.074700e+01 1.0415277098 0.42543925 2.448123e+00
## ENSG00000126247 6.683689e+03 0.1633686067 0.07327104 2.229648e+00
## ENSG00000126249 5.122486e+01 -0.0260594912 0.26175119 -9.955825e-02
## ENSG00000126251 0.000000e+00 NA NA NA
## ENSG00000126254 9.248669e+02 0.2529558171 0.13405068 1.887016e+00
## ENSG00000126259 0.000000e+00 NA NA NA
## ENSG00000126261 1.662868e+03 0.2401161045 0.13343235 1.799534e+00
## ENSG00000126262 6.215628e+00 1.6198701647 0.82276309 1.968817e+00
## ENSG00000126264 1.072060e+01 0.4583388919 0.60972750 7.517110e-01
## ENSG00000126266 1.062906e+00 -3.4467881714 1.94089108 -1.775879e+00
## ENSG00000126267 1.473704e+03 0.0034323499 0.09988942 3.436150e-02
## ENSG00000126337 7.448721e-01 1.2745304427 2.29971905 5.542114e-01
## ENSG00000126351 1.681955e+03 0.2100944812 0.14024886 1.498012e+00
## ENSG00000126353 2.304098e+01 0.0460630085 0.39949783 1.153023e-01
## ENSG00000126368 3.989961e+02 -0.4074733610 0.21822429 -1.867223e+00
## ENSG00000126391 6.1999961e+02 0.4752128389 0.18666488 2.545807e+00
## ENSG00000126432 2.344248e+03 0.0136119942 0.12300285 1.106641e-01
## ENSG00000126453 1.167438e+02 0.1156933303 0.17860110 6.477750e-01
## ENSG00000126456 5.249503e+02 -0.1602557969 0.11589492 -1.382768e+00
## ENSG00000126457 1.194539e+03 -0.0743763905 0.13114896 -5.671138e-01
## ENSG00000126458 2.035871e+03 0.5851734752 0.13874024 4.217763e+00
## ENSG00000126460 7.453136e+00 0.3200433995 0.70345805 4.549573e-01
## ENSG00000126461 1.308850e+03 0.1986361262 0.13155465 1.509913e+00
## ENSG00000126464 6.779508e+02 0.0126599365 0.13718605 9.228297e-02
## ENSG00000126467 7.317959e+00 -0.1700491468 0.66741968 -2.547859e-01

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```

## ENSG00000126500 5.909650e+00 -0.5768477677 0.72056195 -8.005526e-01
## ENSG00000126522 4.722571e+02 0.5721209194 0.27904342 2.050294e+00
## ENSG00000126524 2.430567e+03 0.3502428090 0.13452833 2.603487e+00
## ENSG00000126545 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000126549 0.000000e+00 NA NA NA
## ENSG00000126550 1.227411e+01 -0.1834631687 0.49528798 -3.704172e-01
## ENSG00000126561 8.162690e+02 0.7061264748 0.13486004 5.235995e+00
## ENSG00000126562 3.057608e+01 -0.3106577633 0.81433709 -3.814855e-01
## ENSG00000126581 1.478519e+03 0.2028676192 0.08106403 2.502560e+00
## ENSG00000126583 2.062111e+00 0.9647565314 1.37050903 7.039403e-01
## ENSG00000126602 6.323890e+02 -0.2709004690 0.17750199 -1.526183e+00
## ENSG00000126603 2.950078e+02 -0.1054047116 0.22392874 -4.707065e-01
## ENSG00000126653 7.272767e+02 0.0004252347 0.13972900 3.043282e-03
## ENSG00000126698 1.745724e+03 -0.1686327033 0.10182376 -1.656123e+00
## ENSG00000126705 5.988253e+02 -0.5261235833 0.12004270 -4.382804e+00
## ENSG00000126709 5.708905e+02 0.1591129525 0.23356719 6.812299e-01
## ENSG00000126733 1.272748e+00 0.3948019040 1.60791748 2.455362e-01
## ENSG00000126746 9.004920e+02 -0.1169672833 0.11607949 -1.007648e+00
## ENSG00000126749 3.297586e+02 0.3218982987 0.26538779 1.212936e+00
## ENSG00000126752 3.178114e-01 1.7508468609 3.51408558 4.982368e-01
## ENSG00000126756 7.035332e+02 0.1649282399 0.12240628 1.347384e+00
## ENSG00000126759 6.916828e+00 -0.1653218564 0.74760894 -2.211341e-01
## ENSG00000126767 6.501281e+02 0.4138725775 0.12385917 3.341477e+00
## ENSG00000126768 2.066257e+02 0.0454417959 0.16338752 2.781228e-01
## ENSG00000126773 1.526685e+03 -0.3116170458 0.10178254 -3.061596e+00
## ENSG00000126775 8.840396e+02 -0.0364504497 0.19656076 -1.854411e-01
## ENSG00000126777 7.333314e+03 0.3868119845 0.22462631 1.722024e+00
## ENSG00000126778 4.807205e+02 -0.2357416831 0.23274138 -1.012891e+00
## ENSG00000126785 7.086057e+02 -1.3163984401 0.33457895 -3.934493e+00
## ENSG00000126787 1.925501e+01 -0.1036303445 0.49690199 -2.085529e-01
## ENSG00000126790 5.047722e+02 0.2413577684 0.11894161 2.029212e+00
## ENSG00000126803 4.700628e+02 2.5566689654 0.51531793 4.961343e+00
## ENSG00000126804 7.535441e+02 0.2134674724 0.12366566 1.726166e+00
## ENSG00000126814 4.433931e+02 -0.2297872214 0.23852522 -9.633666e-01
## ENSG00000126821 5.879183e+02 0.3165081938 0.13811110 2.291693e+00
## ENSG00000126822 2.579958e+02 0.0440089690 0.24901142 1.767347e-01
## ENSG00000126838 2.537997e+00 -0.4909728693 2.46827111 -1.989137e-01
## ENSG00000126856 1.040793e+01 -0.3346671346 0.55578616 -6.021509e-01
## ENSG00000126858 5.291872e+02 -0.0166019578 0.14414537 -1.151751e-01
## ENSG00000126860 4.905664e+01 -1.4616413592 0.30511179 -4.790511e+00
## ENSG00000126861 3.122422e+02 -1.6945654367 0.25819976 -6.563002e+00
## ENSG00000126870 5.107109e+02 -0.2496577349 0.20994927 -1.189134e+00
## ENSG00000126878 8.812030e+01 -2.4281359877 0.47286190 -5.134979e+00
## ENSG00000126882 1.936668e+01 -0.9245121005 0.42414104 -2.179728e+00
## ENSG00000126883 1.142721e+03 -0.0509839998 0.13530701 -3.768023e-01
## ENSG00000126890 0.000000e+00 NA NA NA
## ENSG00000126895 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000126903 7.876340e+02 0.1807838354 0.16984629 1.064397e+00
## ENSG00000126934 2.768143e+03 0.2267582502 0.11368219 1.994668e+00
## ENSG00000126945 2.014217e+03 -0.0265099879 0.09604289 -2.760224e-01
## ENSG00000126947 1.187024e+03 -0.2496235813 0.20012819 -1.247318e+00
## ENSG00000126950 7.880088e+02 -1.6279387945 0.31505844 -5.167101e+00
## ENSG00000126952 0.000000e+00 NA NA NA
## ENSG00000126953 7.887178e+01 -0.0380311904 0.23941559 -1.588501e-01

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## ENSG00000126970 1.859120e+02 -0.4684512184 0.15688752 -2.985905e+00
## ENSG00000127022 1.444384e+04 0.0364120294 0.15016284 2.424836e-01
## ENSG00000127054 1.089371e+03 0.0937657718 0.09883328 9.487267e-01
## ENSG00000127074 2.213712e+00 -1.1710951309 1.63863047 -7.146792e-01
## ENSG00000127080 1.630902e+02 -0.1797613423 0.21895397 -8.210006e-01
## ENSG00000127081 7.672891e+01 -0.1976978916 0.24566770 -8.047370e-01
## ENSG00000127083 3.061387e+02 1.8020648318 0.52735146 3.417199e+00
## ENSG00000127084 2.121478e-01 -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000127124 2.081729e+01 0.3711207022 0.41582881 8.924843e-01
## ENSG00000127125 5.158218e+02 0.0525435685 0.10836307 4.848845e-01
## ENSG00000127129 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000127152 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000127184 2.167572e+03 0.0065729456 0.18209814 3.609562e-02
## ENSG00000127191 1.461248e+02 -0.3248027218 0.16498548 -1.968675e+00
## ENSG00000127220 3.191489e+02 -0.0435280081 0.15283906 -2.847964e-01
## ENSG00000127241 8.090867e+03 -0.2239887104 0.25497488 -8.784736e-01
## ENSG00000127249 6.647348e+00 -0.8633151980 0.94256981 -9.159165e-01
## ENSG00000127252 1.219759e+00 1.2700776401 1.62478577 7.816893e-01
## ENSG00000127311 1.173358e+02 -0.0765944273 0.24133931 -3.173724e-01
## ENSG00000127314 3.493380e+03 0.3073660109 0.13734058 2.237984e+00
## ENSG00000127318 0.000000e+00 NA NA NA
## ENSG00000127324 2.533514e+01 3.9053772995 0.88599176 4.407916e+00
## ENSG00000127325 4.552545e+00 0.7179103742 0.81308698 8.829441e-01
## ENSG00000127328 6.761895e+01 0.5947060902 0.31476204 1.889383e+00
## ENSG00000127329 2.183296e+01 -0.6930603003 0.52016669 -1.332381e+00
## ENSG00000127334 7.531214e+02 -0.0265689717 0.21856285 -1.215622e-01
## ENSG00000127337 1.204805e+02 -0.2004554905 0.20532482 -9.762848e-01
## ENSG00000127362 2.057636e+00 1.0532302836 1.15824333 9.093342e-01
## ENSG00000127364 1.147056e+01 -0.6771704063 0.62647968 -1.080914e+00
## ENSG00000127366 6.312121e+00 -0.7576626631 0.68879779 -1.099978e+00
## ENSG00000127377 1.075288e+01 0.1494747753 0.88971823 1.680024e-01
## ENSG00000127399 8.765318e+00 -0.1559377598 0.58493143 -2.665915e-01
## ENSG00000127412 0.000000e+00 NA NA NA
## ENSG00000127415 5.304977e+02 0.0713890290 0.18869682 3.783266e-01
## ENSG00000127418 6.305857e+02 -0.0073103849 0.16845834 -4.339580e-02
## ENSG00000127419 3.917973e+02 -0.3066757566 0.15521036 -1.975872e+00
## ENSG00000127423 9.053492e+00 -0.2214676253 0.52102306 -4.250630e-01
## ENSG00000127445 6.614781e+02 0.2238794083 0.09545495 2.345393e+00
## ENSG00000127452 4.538405e+02 0.0167012119 0.13669147 1.221818e-01
## ENSG00000127463 1.463148e+03 -0.0903319234 0.16257360 -5.556371e-01
## ENSG00000127472 1.549059e+01 -0.1092710648 0.93554539 -1.167993e-01
## ENSG00000127481 8.274228e+03 -0.0752255761 0.13417392 -5.606572e-01
## ENSG00000127483 4.798626e+03 -0.1323369482 0.08964769 -1.476189e+00
## ENSG00000127507 1.237743e+01 0.2797898778 0.45387909 6.164414e-01
## ENSG00000127511 1.258482e+03 -0.1329996292 0.08457847 -1.572500e+00
## ENSG00000127515 0.000000e+00 NA NA NA
## ENSG00000127526 1.264061e+03 0.0501328822 0.13332292 3.760260e-01
## ENSG00000127527 5.632681e+02 -0.2200952668 0.10189101 -2.160105e+00
## ENSG00000127528 9.722045e+01 -0.6579638354 0.34151062 -1.926628e+00
## ENSG00000127529 0.000000e+00 NA NA NA
## ENSG00000127530 0.000000e+00 NA NA NA
## ENSG00000127533 1.361157e+01 -0.5110811450 0.59767450 -8.551162e-01
## ENSG00000127540 1.019427e+03 0.2326822901 0.21357478 1.089465e+00
## ENSG00000127554 3.155345e+02 -0.0984389186 0.13604022 -7.236016e-01

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## ENSG00000127561 4.090898e+01    1.3658249867 0.41583081 3.284569e+00
## ENSG00000127564 1.057440e+01    0.0829288183 0.71503688 1.159784e-01
## ENSG00000127578 3.561945e+00    0.7903704750 1.04475171 7.565151e-01
## ENSG00000127580 2.989511e+02    -0.1289055118 0.13670102 -9.429740e-01
## ENSG00000127585 1.650343e+01    1.5124720815 0.64947288 2.328769e+00
## ENSG00000127586 8.682343e+01    -0.5205352812 0.30214416 -1.722804e+00
## ENSG00000127588 2.630364e-01    1.7010395714 3.51732531 4.836174e-01
## ENSG00000127589 3.043626e+00    -0.3554015305 1.00314411 -3.542876e-01
## ENSG00000127603 1.247725e+04    0.2959365044 0.13604715 2.175250e+00
## ENSG00000127616 1.605290e+03    0.0047076636 0.16540880 2.846078e-02
## ENSG00000127663 1.374797e+03    0.1712852748 0.14254911 1.201588e+00
## ENSG00000127666 2.621536e+02    0.3624194121 0.15363593 2.358950e+00
## ENSG00000127720 9.288994e+01    -0.1194191827 0.21593476 -5.530336e-01
## ENSG00000127743 8.034596e-01    0.5911738597 2.30456665 2.565228e-01
## ENSG00000127774 2.304769e+02    0.3247328211 0.13786971 2.355360e+00
## ENSG00000127780 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000127804 6.553473e+02    -0.3238034029 0.18213927 -1.777779e+00
## ENSG00000127824 2.502562e+02    -1.6936421139 0.21026371 -8.054847e+00
## ENSG00000127831 5.079120e-01    1.5009342341 3.04704229 4.925873e-01
## ENSG00000127837 1.397216e+03    0.1545071869 0.18452619 8.373185e-01
## ENSG00000127838 4.022269e+02    0.0904298176 0.23862440 3.789630e-01
## ENSG00000127863 1.989934e+03    -0.7350855450 0.34720892 -2.117128e+00
## ENSG00000127870 7.537896e+02    0.0784924779 0.13733872 5.715248e-01
## ENSG00000127884 1.065189e+03    -0.1503654939 0.09790052 -1.535901e+00
## ENSG00000127903 1.006833e+01    -0.0071870133 0.64634619 -1.111945e-02
## ENSG00000127914 1.480634e+03    0.1367427975 0.12429317 1.100163e+00
## ENSG00000127920 8.693979e+02    0.3798616605 0.26511352 1.432826e+00
## ENSG00000127922 7.387548e+02    0.0790417899 0.10513567 7.518075e-01
## ENSG00000127928 3.239888e+00    0.2309162721 1.37427386 1.680278e-01
## ENSG00000127946 1.436852e+03    0.4921223911 0.17193517 2.862256e+00
## ENSG00000127947 1.646709e+03    0.3104282453 0.10072426 3.081961e+00
## ENSG00000127948 8.806210e+02    0.3048594382 0.15854416 1.922868e+00
## ENSG00000127951 2.283975e+02    -0.8290807655 0.93755191 -8.843038e-01
## ENSG00000127952 3.731767e+02    -0.1977389822 0.14633062 -1.351317e+00
## ENSG00000127954 5.240733e+02    4.9472981443 0.74208980 6.666711e+00
## ENSG00000127955 5.331378e+02    0.5254770966 0.25363740 2.071765e+00
## ENSG00000127957 6.225648e+01    -0.0734413298 0.22549282 -3.256925e-01
## ENSG00000127980 4.580828e+02    0.0400399396 0.15286633 2.619278e-01
## ENSG00000127989 1.687742e+02    0.2883850039 0.23817620 1.210805e+00
## ENSG00000127990 1.857459e+03    0.0539124132 0.19663759 2.741714e-01
## ENSG00000127993 2.223197e+02    0.0355497997 0.15180136 2.341863e-01
## ENSG00000127995 3.264604e+02    -0.0404438702 0.14811963 -2.730487e-01
## ENSG00000128000 1.344645e+02    -0.0099271638 0.19400103 -5.117067e-02
## ENSG00000128011 1.394266e+01    -0.3715853665 0.43114052 -8.618660e-01
## ENSG00000128016 1.613673e+03    0.2924319659 0.13956824 2.095262e+00
## ENSG00000128039 1.873538e+02    0.4316408855 0.19053744 2.265386e+00
## ENSG00000128040 0.000000e+00      NA          NA          NA
## ENSG00000128045 1.220428e+02    3.9687462286 1.03251597 3.843763e+00
## ENSG00000128050 1.064426e+03    -0.1980372745 0.18116235 -1.093148e+00
## ENSG00000128052 3.222474e+00    2.2718941177 1.18172853 1.922518e+00
## ENSG00000128059 1.866124e+02    -0.1012590384 0.21845226 -4.635294e-01
## ENSG00000128159 1.146446e+03    0.2808338776 0.14697810 1.910719e+00
## ENSG00000128165 6.139187e+01    -2.6994802851 0.43943795 -6.143029e+00
## ENSG00000128185 6.393113e+02    -0.0478402327 0.12286244 -3.893804e-01

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```

## ENSG00000128191 6.721336e+02 -0.0863312875 0.14937083 -5.779662e-01
## ENSG00000128203 4.347446e+01 -0.0588385364 0.45154266 -1.303056e-01
## ENSG00000128218 4.093775e-01 -1.0128167315 3.49346056 -2.899179e-01
## ENSG00000128228 1.341523e+02 0.6283383565 0.39846438 1.576900e+00
## ENSG00000128242 5.675367e+00 0.6013360288 0.79586100 7.555792e-01
## ENSG00000128245 1.357180e+03 0.0037622986 0.13893108 2.708032e-02
## ENSG00000128250 1.459429e+00 -0.7710508367 2.16534427 -3.560870e-01
## ENSG00000128253 0.000000e+00 NA NA NA
## ENSG00000128262 1.596298e+02 1.4718264929 0.59714219 2.464784e+00
## ENSG00000128266 1.327134e+01 0.4519941053 0.59784007 7.560452e-01
## ENSG00000128268 1.264629e+01 0.0112958268 1.01300081 1.115086e-02
## ENSG00000128271 6.720737e+00 1.2179079208 0.78191654 1.557593e+00
## ENSG00000128272 5.843287e+03 -0.2223636895 0.12936307 -1.718912e+00
## ENSG00000128274 1.261590e+03 0.5651638083 0.16807121 3.362645e+00
## ENSG00000128276 0.000000e+00 NA NA NA
## ENSG00000128283 1.632157e+03 0.0782889766 0.12415168 6.305914e-01
## ENSG00000128284 4.570227e+02 0.3910397533 0.28945321 1.350960e+00
## ENSG00000128285 6.052271e+00 -5.2160306227 1.20000606 -4.346670e+00
## ENSG00000128294 3.431820e+02 0.0550322711 0.21878513 2.515357e-01
## ENSG00000128298 2.580623e+01 0.4444688921 0.55984713 7.939112e-01
## ENSG00000128309 6.049706e+02 0.9599098404 0.18158437 5.286302e+00
## ENSG00000128310 0.000000e+00 NA NA NA
## ENSG00000128311 3.236231e+02 1.3415896493 0.15903919 8.435592e+00
## ENSG00000128313 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000128322 2.452472e-01 -1.3524091010 3.52264096 -3.839191e-01
## ENSG00000128335 1.065931e+03 0.2355850980 0.19990189 1.178504e+00
## ENSG00000128340 6.450414e+01 -0.4954298748 0.38813929 -1.276423e+00
## ENSG00000128342 1.542763e+02 -2.3309150570 0.35289851 -6.605058e+00
## ENSG00000128346 1.797037e+02 0.0370018238 0.23921105 1.546828e-01
## ENSG00000128383 1.671698e+00 -1.1142636898 1.23787226 -9.001443e-01
## ENSG00000128394 8.889643e+01 -0.4271451326 0.22688207 -1.882675e+00
## ENSG00000128408 6.164990e+00 -0.3176727325 1.01866338 -3.118525e-01
## ENSG00000128422 1.983662e+00 -1.4334710237 1.44994829 -9.886360e-01
## ENSG00000128438 5.689842e+00 -0.0510534788 1.12983740 -4.518657e-02
## ENSG00000128463 9.596647e+02 -0.0454702297 0.10777306 -4.219072e-01
## ENSG00000128482 4.319790e+01 1.2478090306 0.40074370 3.113733e+00
## ENSG00000128487 1.383746e+02 -0.7377238038 0.37570369 -1.963579e+00
## ENSG00000128510 1.633545e+02 -2.2285994313 0.53553394 -4.161453e+00
## ENSG00000128512 1.059501e+03 0.1878716966 0.21157350 8.879737e-01
## ENSG00000128513 3.523699e+02 0.0004736339 0.14428630 3.282598e-03
## ENSG00000128519 0.000000e+00 NA NA NA
## ENSG00000128524 1.248388e+03 0.0984538707 0.14249326 6.909370e-01
## ENSG00000128534 3.267142e+02 -0.1300095772 0.14312573 -9.083592e-01
## ENSG00000128536 7.735592e+01 -0.3586435271 0.39365906 -9.110511e-01
## ENSG00000128563 5.120618e+02 -0.2224270161 0.10204772 -2.179637e+00
## ENSG00000128564 2.907425e+00 1.9753159223 1.70450735 1.158878e+00
## ENSG00000128567 1.150314e+01 -0.3617264468 0.73555303 -4.917748e-01
## ENSG00000128573 4.806127e+02 0.0162016345 0.17027278 9.515105e-02
## ENSG00000128578 7.218565e+01 -0.5323798733 0.38656711 -1.377199e+00
## ENSG00000128581 4.035668e+02 -0.2626514615 0.10253755 -2.561515e+00
## ENSG00000128585 1.884777e+03 -0.0527223607 0.11809054 -4.464571e-01
## ENSG00000128590 5.728067e+02 0.1840100672 0.09983780 1.843090e+00
## ENSG00000128591 1.206461e+04 -0.2376679098 0.13572628 -1.751082e+00
## ENSG00000128594 2.226385e+01 -1.9835674505 0.54384276 -3.647318e+00

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## ENSG00000128595 2.534906e+04    0.0686360361 0.17093556  4.015316e-01
## ENSG00000128596 3.411741e+02    0.3823017474 0.20933933  1.826230e+00
## ENSG00000128602 2.946204e+02    -0.9610464045 0.55528709 -1.730720e+00
## ENSG00000128604 2.283902e+00    0.7094411397 1.58330344  4.480765e-01
## ENSG00000128606 1.254185e+03    -2.2117389084 0.64649823 -3.421106e+00
## ENSG00000128607 8.387493e+02    -0.1024926122 0.13094604 -7.827088e-01
## ENSG00000128609 9.125019e+02    0.1582987590 0.14577871  1.085884e+00
## ENSG00000128610 5.113881e-01    2.5295263436 3.46620533  7.297682e-01
## ENSG00000128617 6.628434e+01    0.4501619672 0.29623862  1.519592e+00
## ENSG00000128626 1.250764e+02    0.2981501493 0.19037188  1.566146e+00
## ENSG00000128641 2.337694e+03    -0.2372195510 0.35292392 -6.721549e-01
## ENSG00000128645 0.000000e+00      NA          NA          NA
## ENSG00000128652 5.472971e-01    -1.3257182334 3.47229140 -3.817992e-01
## ENSG00000128654 4.067060e+02    -0.0848906593 0.18391108 -4.615853e-01
## ENSG00000128655 9.690606e+00    0.7098827612 0.65672172  1.080949e+00
## ENSG00000128656 2.070487e+03    -0.5036931157 0.30008154 -1.678521e+00
## ENSG00000128683 2.365422e+00    0.0002416068 1.39136881  1.736468e-04
## ENSG00000128692 4.164051e-01    2.2676627718 3.48234977  6.511875e-01
## ENSG00000128694 1.055809e+02    -0.4907642456 0.19803738 -2.478139e+00
## ENSG00000128699 1.837307e+03    1.0414506861 0.16416011  6.344115e+00
## ENSG00000128708 4.696062e+02    -0.1439792103 0.11190127 -1.286663e+00
## ENSG00000128709 0.000000e+00      NA          NA          NA
## ENSG00000128710 0.000000e+00      NA          NA          NA
## ENSG00000128713 0.000000e+00      NA          NA          NA
## ENSG00000128714 0.000000e+00      NA          NA          NA
## ENSG00000128731 1.851813e+03    0.3033432086 0.21640422  1.401743e+00
## ENSG00000128739 1.297993e+03    -0.1255569284 0.10294594 -1.219639e+00
## ENSG00000128789 7.789000e+02    0.2676335046 0.13878909  1.928347e+00
## ENSG00000128791 1.034553e+04    0.0180223202 0.17663735  1.020301e-01
## ENSG00000128805 3.623900e+02    -0.6516121123 0.22140533 -2.943073e+00
## ENSG00000128815 4.070049e+01    1.1074161039 0.53452780  2.071765e+00
## ENSG00000128829 2.485520e+03    -0.0593734385 0.16674070 -3.560825e-01
## ENSG00000128833 6.851734e+00    -0.0172734983 0.92757468 -1.862222e-02
## ENSG00000128849 7.498081e+01    0.3540132102 0.60983552  5.805061e-01
## ENSG00000128872 8.209161e+02    0.2585108000 0.15647045  1.652138e+00
## ENSG00000128881 6.730988e+02    -0.1653543919 0.14526176 -1.138320e+00
## ENSG00000128886 2.910172e+01    -0.5462706237 0.40333423 -1.354387e+00
## ENSG00000128891 2.840405e+02    -0.0359329210 0.14946626 -2.404082e-01
## ENSG00000128908 1.145917e+03    0.2634391951 0.11234288  2.344957e+00
## ENSG00000128915 7.267403e+02    0.0188364603 0.14477031  1.301127e-01
## ENSG00000128917 7.126523e+01    3.7464582007 1.31224596  2.854997e+00
## ENSG00000128918 5.166209e+00    -0.6074069921 0.85221672 -7.127377e-01
## ENSG00000128923 1.481507e+03    1.0579151716 0.11616593  9.106932e+00
## ENSG00000128928 1.231838e+03    0.3185258949 0.13631777  2.336642e+00
## ENSG00000128944 1.254193e+02    0.6129441019 0.32770289  1.870426e+00
## ENSG00000128951 8.183536e+02    0.2321221418 0.19203404  1.208755e+00
## ENSG00000128965 9.057852e+01    -0.4782414276 0.62471919 -7.655302e-01
## ENSG00000128973 1.951249e+02    -0.0101157568 0.18702236 -5.408849e-02
## ENSG00000128989 2.139769e+03    0.1204416452 0.12821299  9.393872e-01
## ENSG00000129003 2.677051e+03    0.0669186115 0.16890495  3.961909e-01
## ENSG00000129007 2.231097e+01    0.3286139614 0.42140267  7.798099e-01
## ENSG00000129009 4.018854e+03    -0.2113721004 0.30226375 -6.992969e-01
## ENSG00000129028 7.549140e+01    -0.2667007180 0.36527272 -7.301414e-01
## ENSG00000129038 4.264633e+03    -0.5228688522 0.09424203 -5.548149e+00

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## ENSG00000129048 1.444970e+03 -1.4430546357 0.31497211 -4.581531e+00
## ENSG00000129055 9.614690e+02 -0.1976622481 0.12501663 -1.581088e+00
## ENSG00000129071 5.697592e+02 0.0504111652 0.13616529 3.702204e-01
## ENSG00000129083 4.339809e+03 0.1854375588 0.09102951 2.037115e+00
## ENSG00000129084 1.518056e+03 0.0564008642 0.12211662 4.618607e-01
## ENSG00000129103 2.697415e+03 0.0699458398 0.12222415 5.722751e-01
## ENSG00000129116 2.289946e+04 0.8763324711 0.20310753 4.314623e+00
## ENSG00000129128 3.708195e+03 0.8349370397 0.20549798 4.062994e+00
## ENSG00000129151 3.195355e+00 -0.7205747111 0.96541530 -7.463883e-01
## ENSG00000129152 0.000000e+00 NA NA NA
## ENSG00000129158 1.742979e+02 -0.0804849644 0.22712937 -3.543574e-01
## ENSG00000129159 2.457027e+00 -3.1213652140 1.81476775 -1.719981e+00
## ENSG00000129167 9.480641e+00 -0.0534720759 0.58042207 -9.212619e-02
## ENSG00000129170 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000129173 3.208109e+00 -0.5596406140 1.11149533 -5.035024e-01
## ENSG00000129187 1.979409e+03 -0.0369718716 0.11131353 -3.321418e-01
## ENSG00000129194 2.202264e+01 0.0111596664 0.69722633 1.600580e-02
## ENSG00000129195 1.292951e+01 -0.0756631847 0.51986907 -1.455428e-01
## ENSG00000129197 4.493677e+02 0.0525703358 0.12349953 4.256724e-01
## ENSG00000129204 1.272825e+02 0.2809859198 0.16996967 1.653153e+00
## ENSG00000129214 2.737426e+01 -0.6362877671 0.47936665 -1.327351e+00
## ENSG00000129219 7.144406e+02 0.1064830632 0.12370477 8.607838e-01
## ENSG00000129221 9.132977e-01 1.5018713670 1.98229079 7.576443e-01
## ENSG00000129226 1.633336e+03 -0.1179682986 0.18404224 -6.409849e-01
## ENSG00000129235 3.601517e+02 0.3723263314 0.17798510 2.091896e+00
## ENSG00000129244 5.340002e+00 -0.5397380034 0.76269483 -7.076723e-01
## ENSG00000129245 7.860414e+02 0.2722083355 0.12042871 2.260328e+00
## ENSG00000129250 7.770758e+03 0.3736612956 0.18924243 1.974511e+00
## ENSG00000129255 6.602272e+02 -0.1403928977 0.14940221 -9.396976e-01
## ENSG00000129292 1.448609e+03 0.0005233755 0.14142120 3.700828e-03
## ENSG00000129295 4.984160e+01 -0.2066222099 0.34234301 -6.035532e-01
## ENSG00000129315 6.884614e+02 0.0590789021 0.13089864 4.513332e-01
## ENSG00000129317 5.348244e+02 -0.2479810069 0.20695209 -1.198253e+00
## ENSG00000129347 4.882241e+02 0.0424281246 0.11487535 3.693405e-01
## ENSG00000129351 2.891243e+03 0.0277188116 0.12615452 2.197211e-01
## ENSG00000129353 4.016783e+03 0.5592663490 0.18615894 3.004241e+00
## ENSG00000129354 6.621019e-01 -0.8247228029 2.40904755 -3.423439e-01
## ENSG00000129355 7.847996e+01 0.5735261346 0.36337040 1.578351e+00
## ENSG00000129422 5.297738e+02 0.0935796070 0.16060307 5.826763e-01
## ENSG00000129437 1.294417e+00 -0.2028178527 1.39969059 -1.449019e-01
## ENSG00000129450 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000129451 2.994414e+00 -1.2895514223 1.04650457 -1.232246e+00
## ENSG00000129455 0.000000e+00 NA NA NA
## ENSG00000129460 2.497118e+02 0.0459918234 0.14099134 3.262032e-01
## ENSG00000129465 2.922859e+01 0.1223085208 0.43844742 2.789582e-01
## ENSG00000129467 1.157402e+02 -1.2610404095 0.26182086 -4.816424e+00
## ENSG00000129472 3.720083e+02 0.1107059439 0.17037322 6.497849e-01
## ENSG00000129473 1.769313e+03 0.3840247027 0.12860024 2.986190e+00
## ENSG00000129474 5.684020e+02 -0.3025738675 0.24545490 -1.232707e+00
## ENSG00000129480 2.225253e+02 0.1694633015 0.19259598 8.798901e-01
## ENSG00000129484 2.276262e+02 -0.7956354061 0.15745576 -5.053073e+00
## ENSG00000129493 1.520689e+03 0.0960712295 0.15355896 6.256309e-01
## ENSG00000129514 9.352510e+00 -0.8211912902 0.76601462 -1.072031e+00
## ENSG00000129515 2.579712e+03 -0.0011933910 0.08515020 -1.401513e-02

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## ENSG00000129518 6.659535e+02    0.0258181805 0.12768680 2.021993e-01
## ENSG00000129521 7.270191e+01   -1.1868893979 0.57603415 -2.060450e+00
## ENSG00000129534 4.529575e+02    0.0785982524 0.19205915 4.092398e-01
## ENSG00000129535 1.094061e+01    0.1582867633 0.52444451 3.018179e-01
## ENSG00000129538 0.000000e+00      NA          NA          NA
## ENSG00000129559 1.673369e+03    0.1771940348 0.11020813 1.607813e+00
## ENSG00000129562 1.587196e+03    0.1598371908 0.11920086 1.340906e+00
## ENSG00000129566 9.734809e+02    0.3314068787 0.24100473 1.375105e+00
## ENSG00000129595 9.531102e+01   -0.0104241964 0.30114099 -3.461567e-02
## ENSG00000129596 9.502762e+01    1.1262593564 0.71277274 1.580110e+00
## ENSG00000129625 3.094332e+03    0.1638724791 0.11401542 1.437283e+00
## ENSG00000129636 2.031634e+03    0.1463876071 0.11929079 1.227149e+00
## ENSG00000129646 5.855590e+01   -0.3401820613 0.46868464 -7.258229e-01
## ENSG00000129654 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000129657 1.343073e+03    0.0399881511 0.14316915 2.793070e-01
## ENSG00000129667 6.368401e+01   -0.2283131935 0.31579960 -7.229686e-01
## ENSG00000129673 1.373029e+00    0.1027844655 1.73899576 5.910564e-02
## ENSG00000129675 8.013119e+02    0.0124596444 0.13259516 9.396756e-02
## ENSG00000129680 8.364624e+02    0.1910468872 0.15173350 1.259095e+00
## ENSG00000129682 3.811970e+02   -1.5057074122 0.74200379 -2.029245e+00
## ENSG00000129691 7.104494e+02   -0.0347004016 0.10318646 -3.362883e-01
## ENSG00000129696 1.650201e+02    0.0564342092 0.18579213 3.037492e-01
## ENSG00000129744 0.000000e+00      NA          NA          NA
## ENSG00000129749 7.984422e+00    0.5911014711 0.63856607 9.256700e-01
## ENSG00000129757 2.488151e+02    0.3951942986 0.27333761 1.445810e+00
## ENSG00000129810 5.873917e+00    0.2191612725 0.66061876 3.317515e-01
## ENSG00000129824 3.144341e+03   -0.0972082767 1.96810593 -4.939179e-02
## ENSG00000129862 0.000000e+00      NA          NA          NA
## ENSG00000129864 0.000000e+00      NA          NA          NA
## ENSG00000129873 0.000000e+00      NA          NA          NA
## ENSG00000129910 7.568303e+00   -0.4476337073 0.66701582 -6.710991e-01
## ENSG00000129911 1.830359e+02   -0.2445442216 0.22701320 -1.077225e+00
## ENSG00000129925 1.915561e+03    0.3090606830 0.13251429 2.332282e+00
## ENSG00000129932 1.586702e+02    0.2896602790 0.18944195 1.529019e+00
## ENSG00000129933 1.166443e+03    0.1886232117 0.10542341 1.789197e+00
## ENSG00000129946 2.991679e+02   -0.3231141335 0.19470168 -1.659534e+00
## ENSG00000129951 2.645580e+01    0.0911994701 0.47227257 1.931077e-01
## ENSG00000129965 3.124455e+00    1.3597619749 1.31396492 1.034854e+00
## ENSG00000129968 1.074750e+03    0.1154515814 0.15057902 7.667176e-01
## ENSG00000129988 1.311446e+01    0.9283583327 0.86711374 1.070630e+00
## ENSG00000129990 1.713915e+01   -0.5620254965 0.78694663 -7.141850e-01
## ENSG00000129991 4.873290e-01    0.0294215711 2.57125008 1.144252e-02
## ENSG00000129993 3.050688e+00   -2.8108177727 1.47092855 -1.910914e+00
## ENSG00000130005 3.740282e+02   -0.3643307345 0.14001009 -2.602175e+00
## ENSG00000130021 3.254830e+02    0.1215114813 0.28994856 4.190794e-01
## ENSG00000130023 2.018490e+02   -0.0243699970 0.17339863 -1.405432e-01
## ENSG00000130024 1.376958e+03    0.1977060016 0.14182005 1.394062e+00
## ENSG00000130032 5.755680e+01   -1.9966382781 0.82737200 -2.413229e+00
## ENSG00000130035 3.582291e+00    0.5931319782 1.61541278 3.671705e-01
## ENSG00000130037 1.864945e+01   -0.6593333452 0.96962099 -6.799908e-01
## ENSG00000130038 5.594297e+01    0.1199261555 0.44011840 2.724861e-01
## ENSG00000130045 3.203483e+01   -0.0562411644 0.38777786 -1.450345e-01
## ENSG00000130052 1.878105e+02   -0.0711246187 0.40126050 -1.772530e-01
## ENSG00000130054 0.000000e+00      NA          NA          NA

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## ENSG00000130055 2.702399e+00 -0.1189415321 0.99163280 -1.199451e-01
## ENSG00000130066 4.094028e+03 1.3195375057 0.16682434 7.909742e+00
## ENSG00000130119 1.834759e+02 0.1309855233 0.16482784 7.946808e-01
## ENSG00000130147 3.172232e+03 -0.0131282223 0.22789386 -5.760674e-02
## ENSG00000130150 8.322601e+02 0.5210626210 0.24123004 2.160024e+00
## ENSG00000130158 6.934925e+02 -0.0382097605 0.17055936 -2.240262e-01
## ENSG00000130159 3.298496e+02 0.0501543713 0.25742880 1.948281e-01
## ENSG00000130164 9.857976e+02 0.4846579171 0.37872564 1.279707e+00
## ENSG00000130165 5.480376e+02 -0.0045046513 0.11274402 -3.995468e-02
## ENSG00000130167 4.111320e-01 -0.6717679409 3.51984350 -1.908517e-01
## ENSG00000130173 2.201818e+00 -0.2662343863 1.42125384 -1.873236e-01
## ENSG00000130175 5.337604e+03 0.0509407958 0.07632812 6.673923e-01
## ENSG00000130176 1.099470e+03 0.6359018383 0.33482661 1.899197e+00
## ENSG00000130177 1.473038e+03 0.1140232238 0.06955790 1.639256e+00
## ENSG00000130182 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000130193 1.003811e+02 -0.3473462028 0.21752640 -1.596800e+00
## ENSG00000130201 7.439283e+00 0.1341869288 0.60113446 2.232228e-01
## ENSG00000130202 1.210325e+03 0.2882255846 0.12179665 2.366449e+00
## ENSG00000130203 2.394142e+03 -0.2162300152 0.38770005 -5.577250e-01
## ENSG00000130204 3.905261e+02 0.2343990623 0.18814528 1.245841e+00
## ENSG00000130208 4.380709e+01 -0.5270393678 0.69373739 -7.597102e-01
## ENSG00000130222 1.316457e+01 -1.5324084693 0.81166031 -1.887992e+00
## ENSG00000130224 3.734500e+02 0.7681692977 0.15944119 4.817885e+00
## ENSG00000130226 1.681964e+00 1.2753587833 1.52111646 8.384360e-01
## ENSG00000130227 1.721209e+03 -0.3832813120 0.11374513 -3.369650e+00
## ENSG00000130234 0.000000e+00 NA NA NA
## ENSG00000130244 1.815663e+02 -0.1529997581 0.23545165 -6.498139e-01
## ENSG00000130254 1.146951e+03 0.1336119894 0.15437241 8.655173e-01
## ENSG00000130255 4.651898e+03 0.0328908783 0.21394817 1.537329e-01
## ENSG00000130270 7.495123e+01 0.0550598990 0.38530025 1.429013e-01
## ENSG00000130283 6.362201e+00 -0.6850371811 0.89154338 -7.683722e-01
## ENSG00000130287 2.230619e+00 -1.8692515904 1.91583826 -9.756834e-01
## ENSG00000130294 1.160613e+00 2.8928981353 2.18988172 1.321029e+00
## ENSG00000130299 1.295235e+02 0.0721672445 0.15681887 4.601949e-01
## ENSG00000130300 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000130303 7.782278e+01 -0.1419130847 0.36766154 -3.859884e-01
## ENSG00000130304 5.754477e+02 -0.0684315274 0.15873666 -4.311010e-01
## ENSG00000130305 1.940636e+02 0.0097050347 0.21266515 4.563528e-02
## ENSG00000130307 7.387047e+00 -0.0206154501 0.62409672 -3.303246e-02
## ENSG00000130309 1.764713e+03 0.2212891291 0.09330484 2.371679e+00
## ENSG00000130311 6.431502e+02 0.3921763725 0.12790057 3.066260e+00
## ENSG00000130312 4.376669e+02 0.2196795490 0.12011996 1.828835e+00
## ENSG00000130313 9.383698e+02 -0.1881037758 0.11812104 -1.592466e+00
## ENSG00000130332 3.133005e+02 -0.1681923929 0.15288714 -1.100108e+00
## ENSG00000130338 5.643489e+02 -0.3090109506 0.23703404 -1.303656e+00
## ENSG00000130340 4.635301e+03 -0.4579546913 0.14747722 -3.105257e+00
## ENSG00000130347 5.967081e+01 -0.3079072461 0.29056942 -1.059668e+00
## ENSG00000130348 2.763758e+02 -0.2188900796 0.18741770 -1.167926e+00
## ENSG00000130349 1.911831e+02 -0.0307283995 0.14313323 -2.146839e-01
## ENSG00000130363 3.351149e+02 -0.1260806109 0.20566590 -6.130361e-01
## ENSG00000130368 7.163219e+00 -0.0131005526 0.68007293 -1.926345e-02
## ENSG00000130377 5.427372e+00 -0.6630237312 0.92428801 -7.173346e-01
## ENSG00000130382 1.768946e+03 0.3675546308 0.15297460 2.402717e+00
## ENSG00000130383 1.315182e-01 0.8946997229 3.53381154 2.531826e-01

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```

## ENSG00000130385 0.000000e+00 NA NA NA
## ENSG00000130396 6.617667e+02 -0.0559690379 0.14150361 -3.955308e-01
## ENSG00000130402 7.227131e+03 0.8291138167 0.18648103 4.446103e+00
## ENSG00000130413 8.824592e+01 -0.1864367835 0.42295442 -4.407964e-01
## ENSG00000130414 6.727641e+02 0.0463075992 0.16788406 2.758308e-01
## ENSG00000130427 8.316246e-01 -2.1265378135 1.88771332 -1.126515e+00
## ENSG00000130429 2.083605e+03 0.0662580873 0.15723834 4.213863e-01
## ENSG00000130433 1.831377e+00 1.1955906628 1.74308567 6.859047e-01
## ENSG00000130449 6.278252e+02 -0.0877103456 0.20047788 -4.375063e-01
## ENSG00000130475 1.901610e+01 -0.2774102968 0.58551866 -4.737856e-01
## ENSG00000130477 3.764273e+00 -0.2924767178 1.03490218 -2.826129e-01
## ENSG00000130479 6.538048e+02 0.4939019657 0.13670214 3.612979e+00
## ENSG00000130487 7.230056e+00 -2.9101088265 1.01440482 -2.868784e+00
## ENSG00000130489 2.080710e+02 0.2975200012 0.18186482 1.635940e+00
## ENSG00000130508 1.197688e+04 0.2653983413 0.21396336 1.240392e+00
## ENSG00000130511 6.701711e+02 -0.3407186544 0.14794480 -2.303012e+00
## ENSG00000130513 4.762219e+02 -1.9657004928 0.30497983 -6.445346e+00
## ENSG00000130517 1.158163e+03 -0.4905192561 0.17655839 -2.778227e+00
## ENSG00000130518 9.518535e+01 -0.6955567696 0.39119320 -1.778039e+00
## ENSG00000130520 6.056596e+02 0.0824625421 0.10865476 7.589409e-01
## ENSG00000130522 1.389918e+03 -0.2732194016 0.16832854 -1.623132e+00
## ENSG00000130528 1.445256e+00 1.7935259229 1.53849287 1.165768e+00
## ENSG00000130529 5.532321e+02 0.4459084509 0.19861864 2.245048e+00
## ENSG00000130538 0.000000e+00 NA NA NA
## ENSG00000130540 3.106433e+01 -0.0437184990 0.76148484 -5.741217e-02
## ENSG00000130544 1.400014e+02 -0.2143492874 0.16368620 -1.309513e+00
## ENSG00000130545 2.021609e+00 0.0738833938 1.67237959 4.417860e-02
## ENSG00000130558 2.093696e+02 0.2319229445 0.42738194 5.426597e-01
## ENSG00000130559 5.623632e+02 -0.1460919569 0.19724015 -7.406806e-01
## ENSG00000130560 4.845237e+02 -0.0215312634 0.12408876 -1.735150e-01
## ENSG00000130561 9.681029e+00 -0.4581021439 0.55484762 -8.256360e-01
## ENSG00000130584 2.121962e+02 -0.8575874726 0.22407219 -3.827282e+00
## ENSG00000130589 7.157645e+02 -0.2090414892 0.14973320 -1.396093e+00
## ENSG00000130590 4.649416e+01 -0.4087555273 0.29956972 -1.364475e+00
## ENSG00000130592 2.149795e+01 -0.3009149510 0.53059442 -5.671280e-01
## ENSG00000130595 6.626372e-01 -1.7059113270 2.91256327 -5.857079e-01
## ENSG00000130598 0.000000e+00 NA NA NA
## ENSG00000130612 1.842325e+00 -1.8724399611 1.41297219 -1.325178e+00
## ENSG00000130635 9.398832e+03 -0.5328393042 0.15114737 -3.525297e+00
## ENSG00000130638 2.146038e+03 0.0789829019 0.11372419 6.945128e-01
## ENSG00000130640 1.271081e+03 0.0059748865 0.08353478 7.152573e-02
## ENSG00000130643 2.615475e+00 -1.1177476835 1.32064421 -8.463655e-01
## ENSG00000130649 2.774994e+01 -0.3836863216 0.41015221 -9.354730e-01
## ENSG00000130653 1.516838e+02 0.3487612161 0.31783076 1.097317e+00
## ENSG00000130656 0.000000e+00 NA NA NA
## ENSG00000130669 4.119858e+02 -0.1540614427 0.16982574 -9.071737e-01
## ENSG00000130675 0.000000e+00 NA NA NA
## ENSG00000130684 4.745693e+02 -0.0841353700 0.13083281 -6.430755e-01
## ENSG00000130695 8.144852e+01 -0.2167393566 0.30401291 -7.129281e-01
## ENSG00000130699 1.158041e+02 0.1076864133 0.34098880 3.158063e-01
## ENSG00000130700 0.000000e+00 NA NA NA
## ENSG00000130701 2.776034e-01 1.7547236597 3.51383760 4.993753e-01
## ENSG00000130702 1.184395e+03 -0.1005420411 0.17988900 -5.589116e-01
## ENSG00000130703 6.672868e+02 -0.2044084643 0.10577258 -1.932528e+00

```

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## ENSG00000130706 1.376222e+03    0.1802530444 0.07252938  2.485242e+00
## ENSG00000130707 1.184418e+03    -0.3364160872 0.35884769 -9.374899e-01
## ENSG00000130711 1.862932e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000130713 1.909593e+02    -0.2601158057 0.19699443 -1.320422e+00
## ENSG00000130714 6.724951e+02    0.0596081352 0.12129218  4.914425e-01
## ENSG00000130717 6.063205e+02    0.0840779962 0.12858866  6.538524e-01
## ENSG00000130720 2.270807e+02    -0.4195135086 1.05988682 -3.958097e-01
## ENSG00000130723 5.436140e+03    0.1679276402 0.10680204  1.572326e+00
## ENSG00000130724 1.294359e+03    0.0320941560 0.12677405  2.531603e-01
## ENSG00000130725 6.743023e+02    0.0354863408 0.10659408  3.329110e-01
## ENSG00000130726 2.968561e+03    -0.0569721988 0.08447633 -6.744162e-01
## ENSG00000130731 4.356260e+02    0.0068054969 0.15654782  4.347232e-02
## ENSG00000130733 6.894832e+02    -0.2898860675 0.11509941 -2.518571e+00
## ENSG00000130734 1.111430e+02    0.1866764850 0.22525760  8.287245e-01
## ENSG00000130741 2.330614e+03    -0.1548564223 0.13093170 -1.182727e+00
## ENSG00000130748 3.883617e+01    0.2759527525 0.36367271  7.587942e-01
## ENSG00000130749 6.652225e+02    0.0668206909 0.12165631  5.492579e-01
## ENSG00000130751 1.107940e+01    -0.5020506773 0.59617517 -8.421194e-01
## ENSG00000130755 4.423059e+00    -0.6263128556 0.75819783 -8.260547e-01
## ENSG00000130758 1.930789e+02    0.0780353193 0.24390751  3.199382e-01
## ENSG00000130762 1.182263e+00    -2.7561493426 1.75901159 -1.566874e+00
## ENSG00000130764 7.294068e+02    0.0295304020 0.15364957  1.921932e-01
## ENSG00000130766 8.479304e+02    -0.9088732752 0.19878079 -4.572239e+00
## ENSG00000130768 1.046250e+00    -1.3263154674 2.09174722 -6.340706e-01
## ENSG00000130770 6.890391e+02    -0.1117499024 0.12248029 -9.123909e-01
## ENSG00000130772 2.390988e+02    0.2332035197 0.11800412  1.976232e+00
## ENSG00000130775 8.872929e+01    -0.3850444456 0.28210129 -1.364916e+00
## ENSG00000130779 5.442787e+03    0.2462073138 0.13905172  1.770617e+00
## ENSG00000130783 1.087484e+01    0.3557664025 0.51965276  6.846233e-01
## ENSG00000130787 3.131757e+02    -0.3532564403 0.26392564 -1.338470e+00
## ENSG00000130803 5.701382e+02    0.1138268449 0.11230249  1.013574e+00
## ENSG00000130810 2.531052e+02    0.6128474641 0.26370889  2.323955e+00
## ENSG00000130811 2.062668e+03    0.2138439167 0.09939996  2.151348e+00
## ENSG00000130812 7.478680e+00    -0.0652931121 0.67184667 -9.718454e-02
## ENSG00000130813 6.731706e+02    0.0056489752 0.10975462  5.146913e-02
## ENSG00000130816 1.789023e+03    -0.0036623639 0.08767697 -4.177110e-02
## ENSG00000130818 5.285760e+02    -0.2609626544 0.09833076 -2.653927e+00
## ENSG00000130821 1.004775e+03    0.1179842629 0.16330299  7.224869e-01
## ENSG00000130822 1.148538e+01    -0.2922726459 0.62780249 -4.655487e-01
## ENSG00000130826 4.847448e+02    -0.0345772326 0.18090361 -1.911362e-01
## ENSG00000130827 1.567625e+03    0.0765660048 0.15266630  5.015253e-01
## ENSG00000130829 2.126202e-01    -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000130830 2.946885e+02    -0.0501706464 0.14507417 -3.458276e-01
## ENSG00000130844 2.828312e+02    -0.0052261558 0.18530080 -2.820363e-02
## ENSG00000130856 3.266246e+02    -0.3033568407 0.15444900 -1.964123e+00
## ENSG00000130876 2.212567e-01    1.5394092681 3.52295593  4.369652e-01
## ENSG00000130881 9.347949e+02    -0.3930067023 0.13475688 -2.916413e+00
## ENSG00000130921 3.504828e+02    -0.3891436897 0.11796838 -3.298712e+00
## ENSG00000130935 4.762755e+02    -0.0521122235 0.14941189 -3.487823e-01
## ENSG00000130939 2.315187e+03    0.0443389413 0.12492300  3.549302e-01
## ENSG00000130940 1.379223e+01    0.8207806973 1.00312114  8.182269e-01
## ENSG00000130943 2.648228e+01    -0.4690237884 0.37835286 -1.239646e+00
## ENSG00000130948 4.526513e+00    1.1334154125 0.83850706  1.351706e+00
## ENSG00000130950 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01

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## ENSG00000130956 1.352801e+03    0.6211276429 0.21648046 2.869209e+00
## ENSG00000130957 5.779180e-01    0.6737450073 2.98428394 2.257644e-01
## ENSG00000130958 5.000085e+02    0.3630320450 0.13636231 2.662261e+00
## ENSG00000130962 8.856327e+02    0.3761543711 0.22860025 1.645468e+00
## ENSG00000130985 6.245808e+03    0.0635897483 0.09886121 6.432224e-01
## ENSG00000130988 1.263381e+02    -0.0347693241 0.25780075 -1.348690e-01
## ENSG00000130997 5.782775e+01    -0.2501930373 0.38014873 -6.581451e-01
## ENSG00000131002 6.960241e+02    -0.0797475137 2.11236511 -3.775271e-02
## ENSG00000131013 6.850253e+02    -0.0445783308 0.13355828 -3.337744e-01
## ENSG00000131015 1.491792e+01    -0.3455853175 0.43849338 -7.881198e-01
## ENSG00000131016 4.017551e+04    -0.9694773282 0.33647402 -2.881284e+00
## ENSG00000131018 3.292736e+03    0.1178757176 0.11997072 9.825374e-01
## ENSG00000131019 3.643215e+01    -0.5437202415 0.37207293 -1.461327e+00
## ENSG00000131023 7.354011e+02    0.0342099015 0.16356110 2.091567e-01
## ENSG00000131037 1.059170e+01    0.8074915327 0.57351947 1.407958e+00
## ENSG00000131042 0.000000e+00    NA NA NA
## ENSG00000131043 6.982892e+02    0.2426815447 0.09406458 2.579946e+00
## ENSG00000131044 3.917979e+00    -0.7541126325 0.89126380 -8.461161e-01
## ENSG00000131050 1.035781e+00    -0.6050928624 2.28347991 -2.649872e-01
## ENSG00000131051 4.535250e+03    -0.0638616557 0.12950970 -4.931033e-01
## ENSG00000131055 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000131059 0.000000e+00    NA NA NA
## ENSG00000131061 8.244635e+01    0.0755445876 0.19597902 3.854728e-01
## ENSG00000131067 6.252189e+02    -0.0140722313 0.13457261 -1.045698e-01
## ENSG00000131068 0.000000e+00    NA NA NA
## ENSG00000131069 6.805997e+02    0.2951722165 0.18225964 1.619515e+00
## ENSG00000131080 1.117370e+03    -0.9259976202 0.18382927 -5.037270e+00
## ENSG00000131089 5.789901e+02    -0.3751428788 0.14915965 -2.515043e+00
## ENSG00000131094 2.978856e+01    -0.3669779887 0.56254702 -6.523508e-01
## ENSG00000131095 7.794811e+00    0.0894840058 1.90349960 4.701026e-02
## ENSG00000131096 2.588866e+00    -0.5810374295 1.15824249 -5.016544e-01
## ENSG00000131097 8.654173e-01    -0.2239209464 1.75330412 -1.277137e-01
## ENSG00000131100 2.231745e+03    0.3185228162 0.11228152 2.836823e+00
## ENSG00000131115 2.737932e+02    -0.3206034212 0.13856817 -2.313687e+00
## ENSG00000131116 4.878977e+02    -0.0998219140 0.14868342 -6.713722e-01
## ENSG00000131126 1.293241e+00    -2.0124040134 1.79287277 -1.122447e+00
## ENSG00000131127 1.302720e+02    -0.2669063871 0.20707917 -1.288910e+00
## ENSG00000131142 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000131143 3.631409e+03    -0.0293886884 0.09653222 -3.044443e-01
## ENSG00000131148 3.957012e+02    0.5143654686 0.12964157 3.967597e+00
## ENSG00000131149 8.767950e+02    -0.4330554481 0.25225849 -1.716713e+00
## ENSG00000131152 1.084681e+01    0.1231052134 0.85330240 1.442692e-01
## ENSG00000131153 2.297902e+01    -0.5337077380 0.43346824 -1.231250e+00
## ENSG00000131165 1.481369e+03    0.1240235109 0.16627580 7.458903e-01
## ENSG00000131171 2.936420e+03    -0.0078387753 0.11414131 -6.867606e-02
## ENSG00000131174 8.590389e+02    -0.2313797083 0.18028676 -1.283398e+00
## ENSG00000131183 0.000000e+00    NA NA NA
## ENSG00000131187 7.913321e+00    -0.5339605225 0.69585938 -7.673397e-01
## ENSG00000131188 3.149365e+01    -0.1368110316 0.45639794 -2.997626e-01
## ENSG00000131196 1.386377e+02    0.0689715853 0.19385912 3.557820e-01
## ENSG00000131203 3.840489e-01    -0.6310698606 3.52264070 -1.791468e-01
## ENSG00000131233 6.739854e+00    -0.2625408986 0.81944259 -3.203896e-01
## ENSG00000131236 7.167079e+03    0.5453122157 0.10908951 4.998759e+00
## ENSG00000131238 7.431372e+02    0.1443463083 0.14860505 9.713419e-01

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## ENSG00000131242 5.139729e+01 -2.4101978824 0.43606030 -5.527212e+00
## ENSG00000131263 1.186084e+03 0.2010888319 0.07822297 2.570713e+00
## ENSG00000131264 0.000000e+00 NA NA NA
## ENSG00000131269 2.846869e+02 -0.2093702906 0.11663468 -1.795095e+00
## ENSG00000131323 6.008441e+02 -0.4565660962 0.12967081 -3.520963e+00
## ENSG00000131351 4.689137e+01 0.3793813136 0.34370974 1.103784e+00
## ENSG00000131355 0.000000e+00 NA NA NA
## ENSG00000131368 5.199497e+02 0.0335021141 0.11047132 3.032653e-01
## ENSG00000131370 1.431484e+03 -0.8577983545 0.20788013 -4.126409e+00
## ENSG00000131373 2.197301e+02 0.0558797386 0.15096223 3.701571e-01
## ENSG00000131374 3.315042e+03 -0.2343627459 0.11023443 -2.126039e+00
## ENSG00000131375 7.467380e+02 0.1037311665 0.12209428 8.495989e-01
## ENSG00000131378 1.587166e+03 0.1442319139 0.21988297 6.559485e-01
## ENSG00000131379 4.021449e+00 -0.3345493960 0.83957248 -3.984759e-01
## ENSG00000131381 9.181325e+02 -0.1476620783 0.14407128 -1.024924e+00
## ENSG00000131386 1.396021e+04 1.5606508753 0.28588166 5.459080e+00
## ENSG00000131389 7.383952e+02 -1.9639962359 0.20587014 -9.539976e+00
## ENSG00000131398 2.114033e+00 1.4682370555 1.64722315 8.913407e-01
## ENSG00000131400 9.208670e+00 -0.1405492417 0.60204527 -2.334529e-01
## ENSG00000131401 2.760317e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000131408 1.596406e+03 0.3556027871 0.12120887 2.933802e+00
## ENSG00000131409 1.708666e+01 -0.3557184555 0.51155677 -6.953646e-01
## ENSG00000131435 3.264870e+02 -0.5196395486 0.18033597 -2.881508e+00
## ENSG00000131437 3.854058e+02 -0.6660722301 0.19415640 -3.430596e+00
## ENSG00000131446 5.557410e+03 0.8526234014 0.13717236 6.215708e+00
## ENSG00000131459 1.036264e+03 1.3540840115 0.28830318 4.696736e+00
## ENSG00000131462 4.832274e+02 -0.2289533188 0.24005796 -9.537418e-01
## ENSG00000131467 1.712925e+03 0.3647326377 0.11423450 3.192841e+00
## ENSG00000131469 7.837187e+03 -0.0154767437 0.19491320 -7.940326e-02
## ENSG00000131470 7.195530e+01 0.2422771718 0.27738130 8.734445e-01
## ENSG00000131471 3.148796e+02 0.2332820782 0.73822435 3.160043e-01
## ENSG00000131473 3.672522e+03 0.1304953389 0.14143013 9.226842e-01
## ENSG00000131475 5.237954e+02 0.1062019035 0.09826893 1.080727e+00
## ENSG00000131477 8.290663e+00 0.2613290859 0.57701027 4.529020e-01
## ENSG00000131480 2.342299e+01 0.6070652453 0.39442753 1.539105e+00
## ENSG00000131482 9.161509e-01 -0.5712960986 2.28476949 -2.500454e-01
## ENSG00000131495 5.205232e+02 0.1654455750 0.12611182 1.311896e+00
## ENSG00000131503 1.299645e+03 0.0361894936 0.11028942 3.281321e-01
## ENSG00000131504 1.772715e+03 0.3764024771 0.15410963 2.442433e+00
## ENSG00000131507 2.965423e+03 0.4074052473 0.13763727 2.959992e+00
## ENSG00000131508 1.170840e+03 0.2355218672 0.12273880 1.918887e+00
## ENSG00000131558 2.329698e+03 -0.0671708844 0.07970080 -8.427881e-01
## ENSG00000131584 1.092403e+03 -0.5530807533 0.21489815 -2.573688e+00
## ENSG00000131591 1.293772e+02 0.0053507566 0.21505169 2.488126e-02
## ENSG00000131620 1.288016e+03 0.2726700383 0.75036762 3.633819e-01
## ENSG00000131626 1.455711e+03 0.2183591201 0.14282820 1.528824e+00
## ENSG00000131634 3.954274e+02 0.7688708129 0.29264832 2.627286e+00
## ENSG00000131650 1.533055e+00 -1.1628643854 1.65938354 -7.007810e-01
## ENSG00000131652 2.184259e+02 -0.0875551970 0.18581034 -4.712074e-01
## ENSG00000131653 2.845879e+03 0.0682479816 0.14362979 4.751659e-01
## ENSG00000131668 6.287672e-01 1.8402538163 2.90484964 6.335109e-01
## ENSG00000131669 4.894209e+02 -0.5532088754 0.22954674 -2.410005e+00
## ENSG00000131686 9.828428e+00 -0.1154684773 0.55959007 -2.063448e-01
## ENSG00000131697 2.164695e+02 -0.1411515659 0.20408255 -6.916396e-01

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## ENSG00000131711 6.602140e+03 -0.4412022969 0.23146996 -1.906089e+00
## ENSG00000131721 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000131724 1.725269e+03 0.0012573656 0.23667601 5.312603e-03
## ENSG00000131725 5.480048e+02 0.2336006714 0.12587662 1.855791e+00
## ENSG00000131730 1.658638e+01 -0.6523363289 0.43750541 -1.491036e+00
## ENSG00000131732 6.044968e+02 -0.3871480954 0.15481724 -2.500678e+00
## ENSG00000131737 0.000000e+00 NA NA NA
## ENSG00000131738 0.000000e+00 NA NA NA
## ENSG00000131746 4.426424e+00 -0.8030339796 0.96649039 -8.308763e-01
## ENSG00000131747 2.798132e+02 -0.5514537992 0.27172589 -2.029449e+00
## ENSG00000131748 7.611645e+02 -0.0922810696 0.12844783 -7.184323e-01
## ENSG00000131759 8.308284e+02 -0.2514155575 0.14916984 -1.685432e+00
## ENSG00000131771 8.966994e+01 -3.0422880431 0.70587488 -4.309954e+00
## ENSG00000131773 1.804287e+02 0.0560497534 0.24127428 2.323072e-01
## ENSG00000131778 7.088080e+02 -0.2674677144 0.13406601 -1.995045e+00
## ENSG00000131779 5.359758e+02 0.2248596380 0.12044042 1.866978e+00
## ENSG00000131781 1.002556e+02 0.1328705484 0.18047753 7.362166e-01
## ENSG00000131788 8.097207e+02 -0.0654729862 0.13736153 -4.766472e-01
## ENSG00000131791 9.605107e+02 0.0621951202 0.12450617 4.995344e-01
## ENSG00000131797 9.458036e+01 -0.5850600516 0.21735896 -2.691677e+00
## ENSG00000131808 0.000000e+00 NA NA NA
## ENSG00000131828 7.463628e+02 0.1535089153 0.10807156 1.420438e+00
## ENSG00000131831 1.035620e+03 1.4759542670 0.95764179 1.541238e+00
## ENSG00000131844 5.676880e+02 0.3795638434 0.16019297 2.369416e+00
## ENSG00000131845 2.957380e+02 -0.1340779684 0.11057411 -1.212562e+00
## ENSG00000131848 5.763078e+01 -0.2297488585 0.25846058 -8.889126e-01
## ENSG00000131849 1.706561e+02 -0.0624948861 0.21426967 -2.916646e-01
## ENSG00000131864 7.024285e-01 2.0839857498 2.78396719 7.485669e-01
## ENSG00000131871 8.124247e+02 0.6748965323 0.09083994 7.429513e+00
## ENSG00000131873 7.537759e+02 0.0071497932 0.19935970 3.586378e-02
## ENSG00000131876 2.649755e+02 -0.0872101658 0.20789973 -4.194819e-01
## ENSG00000131885 0.000000e+00 NA NA NA
## ENSG00000131899 1.247875e+03 -0.4344720394 0.13111190 -3.313750e+00
## ENSG00000131910 5.304316e-01 0.3152841132 2.55223712 1.235325e-01
## ENSG00000131914 6.098697e+00 0.0993495455 0.68996666 1.439918e-01
## ENSG00000131931 1.713118e+02 0.1205789906 0.14307021 8.427959e-01
## ENSG00000131941 1.154541e+02 0.3451547663 0.29633185 1.164758e+00
## ENSG00000131943 6.847357e+02 0.2931430619 0.16396401 1.787850e+00
## ENSG00000131944 8.901395e+01 0.1766887726 0.22193869 7.961152e-01
## ENSG00000131951 1.187960e+00 0.3021389043 3.36066543 8.990449e-02
## ENSG00000131966 1.285991e+03 -0.0430227383 0.09357607 -4.597622e-01
## ENSG00000131969 2.419379e+01 0.2857811123 0.44012881 6.493124e-01
## ENSG00000131979 8.600068e+01 1.5993095431 0.29615559 5.400234e+00
## ENSG00000131981 4.7777969e+03 -0.3547586282 0.19078449 -1.859473e+00
## ENSG00000131982 0.000000e+00 NA NA NA
## ENSG00000132000 3.323089e+02 0.2149733434 0.45503531 4.724322e-01
## ENSG00000132002 1.573591e+03 -0.3899013870 0.13175222 -2.959354e+00
## ENSG00000132003 1.460158e+02 0.5901011172 0.35641446 1.655660e+00
## ENSG00000132004 8.204183e+01 -0.1570246658 0.19326032 -8.125034e-01
## ENSG00000132005 1.715911e+02 -0.0675474693 0.27567525 -2.450255e-01
## ENSG00000132010 3.215242e+01 -0.2276217515 0.31593398 -7.204725e-01
## ENSG00000132016 1.311674e+01 -0.6432404905 0.57261679 -1.123335e+00
## ENSG00000132017 1.958179e+02 -0.0587955128 0.17499517 -3.359836e-01
## ENSG00000132024 5.572088e+02 -0.0093962591 0.13153798 -7.143381e-02

```

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## ENSG00000132026 2.196157e+00    0.2067522472 1.48102656  1.396006e-01
## ENSG00000132031 5.447893e+01    0.6433593314 0.35872571  1.793458e+00
## ENSG00000132109 4.336911e+02    -0.2002061783 0.14110492 -1.418846e+00
## ENSG00000132122 2.740195e+02    0.0411397824 0.18148841  2.266799e-01
## ENSG00000132128 1.907945e+03    -0.0014260446 0.08248002 -1.728958e-02
## ENSG00000132141 4.247301e+01    0.9927418265 0.35846370  2.769435e+00
## ENSG00000132153 1.134613e+03    0.1003071922 0.10889992  9.210952e-01
## ENSG00000132155 2.894665e+03    0.8247310962 0.13079520  6.305515e+00
## ENSG00000132164 1.100474e+00    -0.1053557928 1.61883480 -6.508125e-02
## ENSG00000132170 5.207181e+02    1.0690412510 0.28721019  3.722156e+00
## ENSG00000132182 7.208357e+00    -0.9842636626 0.85611567 -1.149685e+00
## ENSG00000132185 1.814050e+00    -0.5171967102 1.30779024 -3.954737e-01
## ENSG00000132196 1.049937e+02    0.0910269868 0.26300527  3.461033e-01
## ENSG00000132199 4.050127e+02    -0.4803336930 0.23639896 -2.031877e+00
## ENSG00000132205 5.430432e+02    -0.2220893266 0.15892308 -1.397464e+00
## ENSG00000132207 3.155756e+02    0.1452745741 0.20854454  6.966117e-01
## ENSG00000132254 6.892690e+02    -0.2123551787 0.14956108 -1.419856e+00
## ENSG00000132256 5.463222e+02    -0.5786338559 0.16519612 -3.502709e+00
## ENSG00000132259 2.668439e+00    -0.5618092892 1.02332536 -5.490036e-01
## ENSG00000132274 3.076063e+03    -0.1818589815 0.11022530 -1.649884e+00
## ENSG00000132275 2.469558e+02    -0.1606920821 0.20000690 -8.034327e-01
## ENSG00000132286 4.594300e+02    0.1034039301 0.13387748  7.723773e-01
## ENSG00000132294 2.920864e+03    -0.0110122428 0.12862239 -8.561684e-02
## ENSG00000132297 2.934387e+01    -0.0734348713 0.40702931 -1.804167e-01
## ENSG00000132300 9.653821e+02    -0.1177415599 0.11282036 -1.043620e+00
## ENSG00000132305 1.1666665e+03    0.0948854486 0.12392116  7.656921e-01
## ENSG00000132313 4.718883e+02    0.0854079848 0.15139468  5.641412e-01
## ENSG00000132321 2.989021e+01    -1.4395177828 0.46006453 -3.128948e+00
## ENSG00000132323 3.669901e+02    0.0219453837 0.16753550  1.309895e-01
## ENSG00000132326 1.008713e+02    -0.9621722627 0.39474941 -2.437425e+00
## ENSG00000132329 1.625450e+02    -0.0468690415 0.59925566 -7.821210e-02
## ENSG00000132330 1.602051e+02    0.6303684062 0.14828229  4.251137e+00
## ENSG00000132334 7.620361e+01    1.2669543042 0.36261938  3.493896e+00
## ENSG00000132341 2.903094e+03    0.1666469139 0.14553798  1.145041e+00
## ENSG00000132356 2.379482e+03    0.7436118820 0.09778692  7.604410e+00
## ENSG00000132357 6.906903e+02    0.3446872042 0.10433880  3.303538e+00
## ENSG00000132359 4.146872e+01    0.1549621096 0.66454661  2.331847e-01
## ENSG00000132361 9.058122e+02    0.4508190093 0.15943588  2.827588e+00
## ENSG00000132376 7.483577e+02    0.4905177342 0.13542057  3.622180e+00
## ENSG00000132382 8.080782e+02    0.2209459638 0.11344279  1.947642e+00
## ENSG00000132383 1.323706e+03    -0.1140306703 0.20151282 -5.658730e-01
## ENSG00000132386 9.695042e+03    -0.1490487299 0.13079779 -1.139536e+00
## ENSG00000132388 9.342827e+02    -0.1469481066 0.11826270 -1.242557e+00
## ENSG00000132394 1.769979e+02    -0.1308883049 0.16449000 -7.957220e-01
## ENSG00000132405 1.219177e+03    -0.2122956515 0.09526006 -2.228590e+00
## ENSG00000132406 3.727782e+02    0.3865757771 0.13132454  2.943667e+00
## ENSG00000132423 4.340183e+01    0.1764840666 0.30332104  5.818392e-01
## ENSG00000132424 3.476335e+03    -0.1864557563 0.10053758 -1.854588e+00
## ENSG00000132429 1.316233e+02    0.3478654838 0.37730424  9.219761e-01
## ENSG00000132432 4.823509e+02    0.1750712010 0.18459613  9.484013e-01
## ENSG00000132434 3.160143e+02    -0.2921666755 0.19451425 -1.502032e+00
## ENSG00000132436 1.702805e+02    -0.4872948254 0.23211643 -2.099355e+00
## ENSG00000132437 0.000000e+00          NA          NA          NA
## ENSG00000132446 0.000000e+00          NA          NA          NA

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## ENSG00000132463 1.709716e+03    0.2938597035 0.10356941  2.837321e+00
## ENSG00000132464 2.179274e+01   -0.1303678679 0.84816601 -1.537056e-01
## ENSG00000132465 4.497110e+01   -0.1983554194 0.62105440 -3.193849e-01
## ENSG00000132466 2.638024e+03    0.0434248263 0.11937278  3.637750e-01
## ENSG00000132467 5.888652e+02    0.3012162892 0.11664440  2.582347e+00
## ENSG00000132470 1.260419e+01   -0.2821580273 0.58629341 -4.812574e-01
## ENSG00000132471 1.585275e+03    0.1291452647 0.13941211  9.263561e-01
## ENSG00000132475 3.497289e+03   -0.2296269017 0.09536580 -2.407854e+00
## ENSG00000132478 4.061269e+02   -0.1593861910 0.24437408 -6.522222e-01
## ENSG00000132481 8.532362e+01   -0.0743103952 0.29007108 -2.561800e-01
## ENSG00000132485 1.999119e+03   -0.0550730982 0.11636282 -4.732878e-01
## ENSG00000132507 3.583033e+03    0.2925729813 0.10497470  2.787081e+00
## ENSG00000132510 6.891714e+02   -0.6140564324 0.19301173 -3.181446e+00
## ENSG00000132514 0.000000e+00      NA          NA          NA
## ENSG00000132517 5.122059e+00   -0.8068424284 0.78082482 -1.033321e+00
## ENSG00000132518 5.109348e+00    2.5863604581 1.39462903  1.854515e+00
## ENSG00000132522 6.970039e+02    0.1269376259 0.14047059  9.036598e-01
## ENSG00000132530 5.540704e+02   -0.9422935424 0.14115629 -6.675534e+00
## ENSG00000132535 4.867482e+02   -0.3881992176 0.12207215 -3.180080e+00
## ENSG00000132541 4.328511e+02   -0.6730013469 0.24545770 -2.741822e+00
## ENSG00000132549 2.973778e+03   -0.2473411224 0.14517246 -1.703774e+00
## ENSG00000132554 6.258939e+01   -0.1195803630 0.31141281 -3.839931e-01
## ENSG00000132561 3.327362e+03   -0.2149293825 0.43501491 -4.940736e-01
## ENSG00000132563 3.936405e+02    0.1449163748 0.26580964  5.451886e-01
## ENSG00000132570 8.276705e+01   -0.2881384089 0.23797727 -1.210781e+00
## ENSG00000132581 7.754790e+02    0.1379816403 0.11572085  1.192366e+00
## ENSG00000132589 2.015728e+03    0.5269312136 0.12804322  4.115261e+00
## ENSG00000132591 5.232906e+02    0.1319715886 0.14657866  9.003465e-01
## ENSG00000132600 5.773205e+02    0.3094884145 0.17734310  1.745139e+00
## ENSG00000132603 2.872294e+02    0.5073202606 0.19390357  2.616353e+00
## ENSG00000132604 4.770576e+02   -0.0211673144 0.19931388 -1.062009e-01
## ENSG00000132612 1.245285e+03    0.3295769836 0.08640627  3.814272e+00
## ENSG00000132613 3.383653e+03    0.7184302314 0.25076215  2.864987e+00
## ENSG00000132622 6.659738e+01   -2.3625302620 0.38945158 -6.066300e+00
## ENSG00000132623 1.048234e+02    0.0725998192 0.33028375  2.198104e-01
## ENSG00000132631 0.000000e+00      NA          NA          NA
## ENSG00000132635 6.114242e+02   -0.0839163786 0.13884674 -6.043813e-01
## ENSG00000132639 1.559385e+02   -0.3971414409 0.64226268 -6.183474e-01
## ENSG00000132640 1.620264e+03    0.1062915120 0.23041180  4.613111e-01
## ENSG00000132646 8.934535e+02   -0.6339845405 0.16402524 -3.865165e+00
## ENSG00000132661 6.494819e+01   -0.3290394062 0.23465638 -1.402218e+00
## ENSG00000132664 1.581536e+02    0.1019981754 0.21166067  4.818948e-01
## ENSG00000132669 1.179853e+03    0.2917538977 0.16243239  1.796156e+00
## ENSG00000132670 2.426808e+03    0.1571372554 0.13415295  1.171329e+00
## ENSG00000132671 0.000000e+00      NA          NA          NA
## ENSG00000132676 1.208237e+03   -0.0473857373 0.13225279 -3.582967e-01
## ENSG00000132677 3.492702e+00    0.1675792868 0.90911032  1.843333e-01
## ENSG00000132680 6.926217e+02    0.0638081360 0.09815284  6.500896e-01
## ENSG00000132681 6.009237e+00    1.0111879652 1.03148844  9.803192e-01
## ENSG00000132688 7.427488e+02   -0.8025103358 0.33270274 -2.412094e+00
## ENSG00000132692 3.871451e+00   -0.9221808115 1.12325406 -8.209904e-01
## ENSG00000132693 5.306408e-01    1.5711542105 2.97451578  5.282050e-01
## ENSG00000132694 1.298952e+03    0.0587740227 0.07994615  7.351701e-01
## ENSG00000132698 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01

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## ENSG00000132702 7.801685e-01    0.1558063350 1.82257135 8.548710e-02
## ENSG00000132703 0.000000e+00      NA          NA          NA
## ENSG00000132704 1.533811e+01    0.5408274556 0.45194623 1.196663e+00
## ENSG00000132716 2.956684e+03    0.0842043509 0.10325851 8.154713e-01
## ENSG00000132718 2.259310e+03    0.0811953148 0.14486695 5.604820e-01
## ENSG00000132740 3.218151e+02    1.1059507714 0.27829989 3.973953e+00
## ENSG00000132744 0.000000e+00      NA          NA          NA
## ENSG00000132746 2.614253e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000132749 9.300626e+00    -0.7855697550 0.92423122 -8.499710e-01
## ENSG00000132763 1.219328e+02    -0.0763935385 0.22861394 -3.341596e-01
## ENSG00000132768 1.669401e+02    0.2979604201 0.21006445 1.418424e+00
## ENSG00000132773 9.790565e+01    -0.2200431197 0.17395307 -1.264957e+00
## ENSG00000132780 9.291642e+02    -0.2582352430 0.14083801 -1.833562e+00
## ENSG00000132781 1.235472e+02    -0.0297912585 0.19317624 -1.542180e-01
## ENSG00000132792 5.232002e+02    0.1293444484 0.15765779 8.204127e-01
## ENSG00000132793 2.112836e+02    0.7265215812 0.32809654 2.214353e+00
## ENSG00000132801 1.074750e+02    -0.5670381019 0.21132925 -2.683197e+00
## ENSG00000132819 1.640129e+02    -0.0025326648 0.14857446 -1.704643e-02
## ENSG00000132821 2.527466e+01    0.2236981037 0.59939741 3.732050e-01
## ENSG00000132823 8.676802e+02    0.3782329079 0.15831650 2.389093e+00
## ENSG00000132824 6.964259e+03    0.3878446905 0.13939862 2.782271e+00
## ENSG00000132825 1.571145e+02    0.4306039549 0.19342503 2.226206e+00
## ENSG00000132837 1.308735e+02    -0.1472073476 0.28735297 -5.122875e-01
## ENSG00000132840 4.449630e+02    -0.3679163159 0.46449725 -7.920743e-01
## ENSG00000132842 1.865016e+03    0.1769771459 0.10068387 1.757751e+00
## ENSG00000132846 3.411825e+02    -0.5761650088 0.22244708 -2.590122e+00
## ENSG00000132849 2.376373e+02    0.1274905508 0.16262856 7.839370e-01
## ENSG00000132854 5.525686e+00    -2.5640437866 1.08387524 -2.365626e+00
## ENSG00000132855 1.027083e+00    1.8709834193 2.28156361 8.200444e-01
## ENSG00000132872 0.000000e+00      NA          NA          NA
## ENSG00000132874 1.782475e+01    0.5157097335 0.47239581 1.091690e+00
## ENSG00000132879 4.136780e+02    -0.0231196467 0.14970424 -1.544355e-01
## ENSG00000132881 6.721265e+01    0.5967511589 0.29174400 2.045462e+00
## ENSG00000132906 1.825780e+02    0.1936966179 0.18688148 1.036468e+00
## ENSG00000132911 1.361651e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000132912 1.483381e+03    -0.0741253474 0.11086685 -6.685980e-01
## ENSG00000132915 1.109974e+01    -0.0981522072 0.58843458 -1.668022e-01
## ENSG00000132932 2.688309e+00    -0.7188063616 1.21127359 -5.934302e-01
## ENSG00000132938 8.861415e-01    -1.2549251184 1.97872180 -6.342100e-01
## ENSG00000132950 2.741941e+02    -0.2826780808 0.12892210 -2.192627e+00
## ENSG00000132952 3.054184e+02    -0.0366916734 0.12735729 -2.881003e-01
## ENSG00000132953 6.834123e+02    0.1355923564 0.12911015 1.050207e+00
## ENSG00000132958 1.082212e+00    -1.6699671004 1.65528137 -1.008872e+00
## ENSG00000132963 1.028348e+03    0.3971511202 0.15803883 2.512997e+00
## ENSG00000132964 2.811404e+02    0.0401143001 0.21620259 1.855403e-01
## ENSG00000132965 1.269111e+01    1.8027793090 0.67189920 2.683110e+00
## ENSG00000132967 2.051758e+02    -0.2442265217 0.31389666 -7.780475e-01
## ENSG00000132970 1.317169e+03    1.0814088529 0.13074980 8.270826e+00
## ENSG00000132972 2.587887e-01    -1.3619532296 3.52197862 -3.867012e-01
## ENSG00000132975 1.176263e+00    -0.9566735881 1.70496543 -5.611103e-01
## ENSG00000133019 9.691547e-01    -0.9342917461 2.80591784 -3.329719e-01
## ENSG00000133020 2.630364e-01    1.7010395714 3.51732531 4.836174e-01
## ENSG00000133026 1.544337e+04    0.6222548068 0.28049291 2.218433e+00
## ENSG00000133027 2.490024e+02    0.5509508452 0.24643057 2.235724e+00

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## ENSG00000133028 7.589643e+02    0.0343190295 0.16577260 2.070247e-01
## ENSG00000133030 4.866707e+03   -0.0238698511 0.13882876 -1.719374e-01
## ENSG00000133048 3.057665e+02   -0.0579299143 0.95714076 -6.052392e-02
## ENSG00000133055 3.532132e+00    0.3354263920 1.00585046 3.334754e-01
## ENSG00000133056 2.064867e+02   -0.4712693597 0.53017236 -8.888984e-01
## ENSG00000133059 1.626712e+03   -0.4234464645 0.13052002 -3.244303e+00
## ENSG00000133063 6.935224e+00    0.4063297659 1.28065098 3.172838e-01
## ENSG00000133065 1.247497e+03   0.1137702844 0.15882804 7.163111e-01
## ENSG00000133067 3.539819e+00    0.2769027861 1.61986373 1.709420e-01
## ENSG00000133069 1.465887e+02   -1.0739911108 0.21995273 -4.882827e+00
## ENSG00000133083 5.297103e+02   -0.2795631550 0.77355541 -3.614003e-01
## ENSG00000133101 2.505461e+00    0.4298259793 1.17092789 3.670815e-01
## ENSG00000133103 6.209057e+02   -0.6310286819 0.14093190 -4.477543e+00
## ENSG00000133104 2.378246e+03    0.3241860482 0.13000484 2.493646e+00
## ENSG00000133105 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000133106 2.156750e+02    0.6734678129 0.22055451 3.053521e+00
## ENSG00000133107 1.874965e+01   -0.3246027931 0.78072017 -4.157735e-01
## ENSG00000133110 4.174359e+03   -1.2715236996 0.81380079 -1.562451e+00
## ENSG00000133111 6.781633e+01    0.5048890534 0.34761924 -1.452420e+00
## ENSG00000133112 6.719602e+04    0.0514456035 0.11501564 4.472922e-01
## ENSG00000133114 4.259802e+02   -0.1796389225 0.14606864 -1.229825e+00
## ENSG00000133115 0.000000e+00      NA          NA          NA
## ENSG00000133116 6.480213e+00   -0.3891236792 1.02854468 -3.783245e-01
## ENSG00000133119 7.400483e+01   -0.1101737810 0.22298996 -4.940751e-01
## ENSG00000133121 1.034190e+03    0.7081815285 0.17311951 4.090709e+00
## ENSG00000133124 1.388017e-01   0.8946997229 3.53381154 2.531826e-01
## ENSG00000133131 1.092959e+03   -0.2378377832 0.12047946 -1.974094e+00
## ENSG00000133134 1.843673e+00   -0.8059800330 1.36128374 -5.920735e-01
## ENSG00000133135 3.287522e+01   -0.2532136319 0.48041259 -5.270753e-01
## ENSG00000133136 0.000000e+00      NA          NA          NA
## ENSG00000133138 7.720864e+02   -0.2084768676 0.17204308 -1.211771e+00
## ENSG00000133142 3.090518e+03    1.4798722030 0.17940770 8.248655e+00
## ENSG00000133169 4.390277e+00    1.9704369576 1.31210580 1.501736e+00
## ENSG00000133193 5.967492e+02    0.0097490304 0.16881878 5.774849e-02
## ENSG00000133195 2.757458e+02   -0.0342640885 0.27457582 -1.247892e-01
## ENSG00000133216 3.934817e+02   -1.8137668779 0.40008529 -4.533451e+00
## ENSG00000133226 1.525149e+03   -0.1153487779 0.10135637 -1.138052e+00
## ENSG00000133243 2.197008e+03    0.1069339830 0.12250761 8.728762e-01
## ENSG00000133246 8.281189e+00   -0.0576287726 0.83418248 -6.908413e-02
## ENSG00000133247 8.928487e+01   -0.2906782774 0.20419567 -1.423528e+00
## ENSG00000133250 1.375084e+02   -0.0150365220 0.26945909 -5.580261e-02
## ENSG00000133256 2.666023e+01   -0.3826293869 0.54928312 -6.965977e-01
## ENSG00000133265 3.840283e+02    0.0764629800 0.16569547 4.614669e-01
## ENSG00000133275 1.049395e+03   0.0517324803 0.16469959 3.141021e-01
## ENSG00000133302 1.363021e+02    0.1232243961 0.30065462 4.098537e-01
## ENSG00000133313 9.719815e+02    0.1086824556 0.10094664 1.076633e+00
## ENSG00000133315 1.465925e+02    0.0849156849 0.20957150 4.051872e-01
## ENSG00000133316 2.910530e+02    0.2654551578 0.15864559 1.673259e+00
## ENSG00000133317 7.664126e-01   -0.6558831533 2.03095066 -3.229439e-01
## ENSG00000133318 3.558425e+03    0.1884272145 0.16421571 1.147437e+00
## ENSG00000133321 4.284316e+02   -0.4823465085 0.31159045 -1.548014e+00
## ENSG00000133328 7.837184e-01   0.9684285472 2.89129821 3.349459e-01
## ENSG00000133392 8.840551e+01    0.4595094996 0.79519519 5.778575e-01
## ENSG00000133393 4.861316e+02    0.0628068416 0.31952171 1.965652e-01

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## ENSG00000133398 4.722032e+02    0.2389523131 0.12091390 1.976219e+00
## ENSG00000133401 9.486389e+01    0.8994785248 0.38160014 2.357123e+00
## ENSG00000133422 8.654899e+02    0.2656715764 0.10503657 2.529325e+00
## ENSG00000133424 8.916584e+02    -0.3352514261 0.21137725 -1.586034e+00
## ENSG00000133433 2.287704e+02    0.3147320605 0.79674685 3.950214e-01
## ENSG00000133454 1.503434e+00    1.0124170808 1.53269751 6.605459e-01
## ENSG00000133460 1.041602e+02    -0.4520954084 0.19381902 -2.332565e+00
## ENSG00000133466 3.196590e+02    -0.4711720098 0.22776455 -2.068680e+00
## ENSG00000133475 0.000000e+00      NA       NA       NA
## ENSG00000133477 1.190967e+01    -0.2849908957 0.47415745 -6.010470e-01
## ENSG00000133488 8.137951e+00    0.5761004798 0.79987175 7.202411e-01
## ENSG00000133519 3.742823e+00    -0.5729332532 0.96062653 -5.964162e-01
## ENSG00000133561 5.307197e-01    1.4776825802 3.48706909 4.237606e-01
## ENSG00000133574 0.000000e+00      NA       NA       NA
## ENSG00000133597 3.017846e+02    0.5031520510 0.21513545 2.338769e+00
## ENSG00000133606 2.074341e+03    0.1285395644 0.11208371 1.146818e+00
## ENSG00000133612 1.136063e+03    0.1710632384 0.17222740 9.932405e-01
## ENSG00000133619 2.183218e+02    -0.3798894078 0.19477038 -1.950448e+00
## ENSG00000133624 2.658463e+02    -0.0603872799 0.15674526 -3.852575e-01
## ENSG00000133627 8.465150e+01    0.0625377747 0.27728790 2.255337e-01
## ENSG00000133636 0.000000e+00      NA       NA       NA
## ENSG00000133639 1.443738e+03    0.5034480290 0.10979344 4.585411e+00
## ENSG00000133640 6.682799e+00    -0.3977624333 0.97330149 -4.086734e-01
## ENSG00000133641 3.050578e+02    0.4320057277 0.18320324 2.358068e+00
## ENSG00000133657 4.539004e+03    0.1264302053 0.17122214 7.383987e-01
## ENSG00000133661 7.249738e+00    0.0855226492 0.98514293 8.681243e-02
## ENSG00000133665 4.855318e+00    0.3291781888 0.96912261 3.396662e-01
## ENSG00000133678 2.915739e+02    -0.1274531641 0.15783887 -8.074891e-01
## ENSG00000133687 5.737225e+03    0.4979167156 0.33088335 1.504810e+00
## ENSG00000133703 7.832060e+02    0.0254658827 0.12272438 2.075047e-01
## ENSG00000133704 1.395172e+03    -0.0543476093 0.11591551 -4.688554e-01
## ENSG00000133706 1.875313e+03    -0.0119093578 0.15215402 -7.827173e-02
## ENSG00000133710 3.021006e-01    0.6955464566 3.52545350 1.972928e-01
## ENSG00000133731 2.978967e+02    0.3096847210 0.16233470 1.907693e+00
## ENSG00000133739 1.787059e+02    0.0587041819 0.19886627 2.951943e-01
## ENSG00000133740 8.889119e+01    -0.1417307214 0.27765506 -5.104561e-01
## ENSG00000133742 1.997332e+00    0.3661170566 1.72023100 2.128302e-01
## ENSG00000133773 2.709279e+02    -0.0277558947 0.14389101 -1.928953e-01
## ENSG00000133789 3.724182e+03    0.5945763812 0.17607586 3.376819e+00
## ENSG00000133794 2.803876e+02    0.4842201008 0.22902022 2.114312e+00
## ENSG00000133800 7.106664e+00    0.7079766478 0.65227809 1.085391e+00
## ENSG00000133805 8.021497e+02    0.6482661889 0.28110585 2.306128e+00
## ENSG00000133808 5.437475e+00    1.9237402449 0.86205428 2.231577e+00
## ENSG00000133812 4.028081e+03    0.8516668351 0.29556122 2.881524e+00
## ENSG00000133816 2.052250e+03    1.0550896412 0.28275108 3.731514e+00
## ENSG00000133818 3.012512e+03    0.6033387355 0.19570242 3.082940e+00
## ENSG00000133835 2.540509e+03    0.1254060592 0.15708564 7.983292e-01
## ENSG00000133858 2.278387e+03    0.4002400195 0.12588777 3.179340e+00
## ENSG00000133863 4.076164e+00    -0.3489454046 1.44255974 -2.418932e-01
## ENSG00000133872 2.915051e+03    -0.1230978087 0.11955730 -1.029614e+00
## ENSG00000133874 1.190130e+02    -0.5139660401 0.34524069 -1.488718e+00
## ENSG00000133878 2.635654e+00    -0.0066954161 0.96103192 -6.966903e-03
## ENSG00000133884 1.083722e+03    -0.1757802799 0.08316307 -2.113682e+00
## ENSG00000133895 6.725123e+02    0.1276961000 0.13014194 9.812064e-01

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## ENSG00000133935 3.660374e+02 -0.1827601181 0.17589047 -1.039056e+00
## ENSG00000133937 2.575706e+00 -0.3440516253 1.43246928 -2.401808e-01
## ENSG00000133943 5.457680e+02 -0.9018940492 0.17385133 -5.187732e+00
## ENSG00000133958 7.801718e+00 -0.3241684106 0.67770786 -4.783306e-01
## ENSG00000133961 1.657644e+03 0.1499767379 0.14236035 1.053501e+00
## ENSG00000133962 4.430600e+00 0.1110581811 0.99637891 1.114618e-01
## ENSG00000133980 1.417865e+00 2.3595760608 1.55827632 1.514222e+00
## ENSG00000133983 3.986178e+02 0.1838758469 0.17233999 1.066937e+00
## ENSG00000133985 3.994296e+00 -0.0762926665 0.86683039 -8.801337e-02
## ENSG00000133997 3.334500e+02 0.0556439335 0.12991372 4.283145e-01
## ENSG00000134001 1.051903e+03 0.2751899658 0.17203450 1.599621e+00
## ENSG00000134007 2.855509e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000134013 3.149597e+03 -0.7103338584 0.32291050 -2.199786e+00
## ENSG00000134014 5.745102e+02 0.0788367214 0.14100240 5.591162e-01
## ENSG00000134020 1.517634e+01 0.9517406940 0.51099718 1.862517e+00
## ENSG00000134028 4.082725e+00 -0.5927271289 0.88040841 -6.732411e-01
## ENSG00000134030 1.058845e+03 0.2508947401 0.15801919 1.587749e+00
## ENSG00000134042 1.204933e+01 0.9163332087 0.69711204 1.314470e+00
## ENSG00000134046 1.430891e+03 0.5735848595 0.11758007 4.878249e+00
## ENSG00000134049 5.786202e+02 0.2735980516 0.13850811 1.975322e+00
## ENSG00000134056 2.888086e+02 0.6039691317 0.13055538 4.626153e+00
## ENSG00000134057 1.149986e+02 0.2754691916 0.25712631 1.071338e+00
## ENSG00000134058 4.300839e+01 -0.3102590645 0.59848725 -5.184055e-01
## ENSG00000134061 2.633105e+00 0.0002300612 1.35725158 1.695052e-04
## ENSG00000134070 4.856724e+01 -0.9437298180 0.33573917 -2.810902e+00
## ENSG00000134072 3.570915e+02 0.0316538025 0.15129599 2.092177e-01
## ENSG00000134077 7.111118e+02 0.0712586497 0.18743888 3.801701e-01
## ENSG00000134086 6.258824e+02 -0.0715473556 0.11121754 -6.433100e-01
## ENSG00000134107 3.345639e+02 -0.7799022325 0.51296146 -1.520391e+00
## ENSG00000134108 2.366878e+03 0.2276959813 0.09813332 2.320272e+00
## ENSG00000134109 1.239041e+03 0.2875774266 0.15500985 1.855220e+00
## ENSG00000134115 1.258902e+00 0.6364896334 1.82574121 3.486199e-01
## ENSG00000134121 1.286828e+02 1.1560721372 0.70839676 1.631956e+00
## ENSG00000134138 7.372330e+02 -0.7875246617 0.28563761 -2.757076e+00
## ENSG00000134146 8.664130e+01 -0.0062979292 0.24342072 -2.587261e-02
## ENSG00000134152 3.494456e+02 0.1450773182 0.12799069 1.133499e+00
## ENSG00000134153 1.002771e+03 0.1991221715 0.16816649 1.184078e+00
## ENSG00000134160 1.617541e+00 2.6240873958 2.23630689 1.173402e+00
## ENSG00000134183 1.474777e+00 -0.9250749715 1.53021121 -6.045407e-01
## ENSG00000134184 2.156636e+00 -0.3792719294 1.59484026 -2.378119e-01
## ENSG00000134186 1.125944e+03 0.0978058060 0.12510638 7.817811e-01
## ENSG00000134193 0.000000e+00 NA NA NA
## ENSG00000134198 1.822692e+01 -0.2309068491 0.86174778 -2.679518e-01
## ENSG00000134200 0.000000e+00 NA NA NA
## ENSG00000134201 4.069055e+02 -0.6635581260 0.38325204 -1.731388e+00
## ENSG00000134202 9.928151e+02 -0.3648127613 0.21900447 -1.665778e+00
## ENSG00000134207 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000134215 2.015719e+00 -0.4048330571 1.45096314 -2.790099e-01
## ENSG00000134216 4.385239e-01 -1.1212403677 2.57069530 -4.361623e-01
## ENSG00000134222 8.207878e+01 0.2339626123 0.29600409 7.904033e-01
## ENSG00000134240 0.000000e+00 NA NA NA
## ENSG00000134242 6.470967e+00 1.0511710439 0.64795521 1.622290e+00
## ENSG00000134243 5.569874e+03 2.2127310577 0.26368914 8.391438e+00
## ENSG00000134245 3.242491e+02 0.3182974913 0.28387286 1.121268e+00

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## ENSG00000134247 1.294392e+03 -0.7926469580 0.27581264 -2.873860e+00
## ENSG00000134248 8.999076e+02 0.2727375850 0.12898731 2.114453e+00
## ENSG00000134249 0.000000e+00 NA NA NA
## ENSG00000134250 1.024642e+04 0.1530758001 0.13549948 1.129715e+00
## ENSG00000134253 1.449511e+02 -1.9870058688 0.23589643 -8.423213e+00
## ENSG00000134255 1.009104e+03 -0.3072185703 0.13235689 -2.321138e+00
## ENSG00000134256 6.277576e+00 -0.1013781615 0.83339685 -1.216445e-01
## ENSG00000134258 1.881487e+00 -4.2664990382 2.16105129 -1.974270e+00
## ENSG00000134259 4.499652e+01 -1.3452147440 0.47801830 -2.814149e+00
## ENSG00000134262 1.995126e+02 -0.0761846155 0.17704742 -4.303063e-01
## ENSG00000134265 4.799474e+02 0.3977280883 0.12662564 3.140976e+00
## ENSG00000134278 8.484462e+02 -0.1410773270 0.17559983 -8.034024e-01
## ENSG00000134283 9.036748e+02 0.1972716642 0.11274028 1.749789e+00
## ENSG00000134285 3.309866e+02 0.2730438249 0.19606226 1.392638e+00
## ENSG00000134287 3.151864e+03 0.1761041224 0.09280085 1.897656e+00
## ENSG00000134291 5.537235e+02 -0.2163612054 0.18950615 -1.141711e+00
## ENSG00000134294 2.062133e+04 1.1018211512 0.19101362 5.768286e+00
## ENSG00000134297 3.333801e+01 0.0435535351 0.37027582 1.176246e-01
## ENSG00000134308 6.901486e+03 0.0410108854 0.08010613 5.119569e-01
## ENSG00000134313 3.440015e+03 -0.0688822641 0.13414632 -5.134860e-01
## ENSG00000134317 5.631172e+01 -0.5348251450 0.38541052 -1.387677e+00
## ENSG00000134318 4.532902e+03 0.7824665987 0.10833253 7.222822e+00
## ENSG00000134321 9.323211e+00 -2.5094615883 1.12862695 -2.223464e+00
## ENSG00000134323 0.000000e+00 NA NA NA
## ENSG00000134324 4.617433e+03 0.5254285507 0.21543127 2.438961e+00
## ENSG00000134326 3.431004e+00 -0.7347695122 0.99746854 -7.366343e-01
## ENSG00000134330 6.921830e+02 0.1762178399 0.12270943 1.436058e+00
## ENSG00000134333 1.372266e+04 0.8799865650 0.25416365 3.462283e+00
## ENSG00000134339 2.711171e+00 0.4065192933 1.23556436 3.290151e-01
## ENSG00000134343 6.527844e+01 0.4374867752 0.63674186 6.870709e-01
## ENSG00000134352 4.667684e+04 0.0937005931 0.17121859 5.472571e-01
## ENSG00000134363 2.787310e+03 -1.4898945115 0.32222472 -4.623775e+00
## ENSG00000134365 2.923671e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000134369 4.362572e+03 -0.0083789634 0.20410804 -4.105161e-02
## ENSG00000134371 9.499889e+02 0.2960361627 0.09784976 3.025415e+00
## ENSG00000134375 6.694460e+02 0.0725586760 0.16826577 4.312147e-01
## ENSG00000134376 1.386380e+01 -1.3508888080 0.61531038 -2.195459e+00
## ENSG00000134389 0.000000e+00 NA NA NA
## ENSG00000134398 6.625105e+00 -0.3593160948 0.65541215 -5.482292e-01
## ENSG00000134419 8.297658e+03 -0.0706016171 0.15882725 -4.445183e-01
## ENSG00000134438 0.000000e+00 NA NA NA
## ENSG00000134440 2.750515e+03 0.0008001219 0.15214885 5.258810e-03
## ENSG00000134443 0.000000e+00 NA NA NA
## ENSG00000134444 6.433325e+02 0.3506433065 0.10005692 3.504438e+00
## ENSG00000134452 1.859712e+03 0.0901266150 0.09544240 9.443037e-01
## ENSG00000134453 1.299461e+03 -0.0261444515 0.09223753 -2.834470e-01
## ENSG00000134460 3.605144e+00 0.0531685409 1.04072651 5.108791e-02
## ENSG00000134461 1.207442e+02 -0.1258053526 0.17767494 -7.080647e-01
## ENSG00000134463 5.608305e+01 0.3948246002 0.52156270 7.570031e-01
## ENSG00000134470 5.326101e+02 0.2636311437 0.29746648 8.862550e-01
## ENSG00000134480 3.763595e+02 0.1672485535 0.19665474 8.504680e-01
## ENSG00000134489 5.468046e+00 -0.0783287944 0.75313797 -1.040032e-01
## ENSG00000134490 1.320790e+02 0.3940385740 0.18495047 2.130509e+00
## ENSG00000134504 2.030916e+02 0.2843758154 0.27383384 1.038498e+00

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## ENSG00000134508 1.308117e+03    0.6430989047 0.21663720 2.968552e+00
## ENSG00000134516 1.622721e+02   -0.3038797216 0.23284770 -1.305058e+00
## ENSG00000134531 5.891111e+03    0.9130610633 0.16336046 5.589241e+00
## ENSG00000134532 1.473194e+02    0.3950251380 0.19408521 2.035318e+00
## ENSG00000134533 1.068874e+01    0.9979969623 0.58550666 1.704501e+00
## ENSG00000134538 0.000000e+00      NA          NA          NA
## ENSG00000134539 9.372319e+01   -0.8681425080 0.52262792 -1.661110e+00
## ENSG00000134545 1.237005e+00   -0.8880812340 1.52749681 -5.813965e-01
## ENSG00000134548 1.837777e+01   -0.1360062523 0.43815959 -3.104035e-01
## ENSG00000134551 4.121968e-01    0.8197723998 3.17525124 2.581756e-01
## ENSG00000134569 7.714372e+01   -0.9418397553 0.34724706 -2.712304e+00
## ENSG00000134571 3.347714e-01   -1.7919132981 3.48921116 -5.135583e-01
## ENSG00000134574 1.154472e+03   -0.3365225684 0.24893630 -1.351842e+00
## ENSG00000134575 5.517827e+02    0.3564467412 0.18235203 1.954718e+00
## ENSG00000134588 2.880851e+00   -1.1224917637 1.49725719 -7.496987e-01
## ENSG00000134590 4.242203e+03    0.1963967966 0.08195200 2.396486e+00
## ENSG00000134594 1.161104e+01   -0.9787321148 0.55119669 -1.775649e+00
## ENSG00000134595 2.360649e+00   -1.3898866637 1.41563836 -9.818091e-01
## ENSG00000134597 2.939229e+02   -0.1296953837 0.16280180 -7.966459e-01
## ENSG00000134602 6.200185e+01    0.1270470665 0.36932505 3.439980e-01
## ENSG00000134612 0.000000e+00      NA          NA          NA
## ENSG00000134627 1.082349e+02    0.2507989636 0.34450121 7.280061e-01
## ENSG00000134640 0.000000e+00      NA          NA          NA
## ENSG00000134644 2.333956e+03   -0.0088270135 0.10939813 -8.068706e-02
## ENSG00000134668 6.666698e+02    0.1844230987 0.20141568 9.156343e-01
## ENSG00000134684 1.262509e+03   -0.7239275085 0.13251958 -5.462797e+00
## ENSG00000134686 2.933642e+03    1.4394899977 0.10585151 1.359914e+01
## ENSG00000134690 2.831643e+01    0.2275475367 0.47888771 4.751584e-01
## ENSG00000134697 9.922660e+02    0.4610864465 0.16203479 2.845601e+00
## ENSG00000134698 6.715734e+02    0.3605628227 0.18650055 1.933307e+00
## ENSG00000134709 3.509782e+00    3.1010085943 1.45005131 2.138551e+00
## ENSG00000134716 2.257534e+01   -0.4346231329 0.80889204 -5.373067e-01
## ENSG00000134717 7.205687e+02    0.0758296110 0.09396691 8.069821e-01
## ENSG00000134744 8.547492e+02   -0.1833867904 0.10885736 -1.684652e+00
## ENSG00000134748 4.743814e+02   -0.0459423035 0.13838996 -3.319771e-01
## ENSG00000134755 7.573882e+00   -1.0000510659 0.93447144 -1.070178e+00
## ENSG00000134757 1.743411e+00   -2.6892761830 1.58903241 -1.692399e+00
## ENSG00000134758 1.326057e+02   -0.5027748406 0.27014705 -1.861115e+00
## ENSG00000134759 2.016903e+03   -0.1136464616 0.09683373 -1.173625e+00
## ENSG00000134760 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000134762 3.245693e+02    1.6616953459 0.58212867 2.854516e+00
## ENSG00000134765 0.000000e+00      NA          NA          NA
## ENSG00000134769 3.243228e+02   -0.8519935799 0.22999066 -3.704470e+00
## ENSG00000134775 2.927168e+03    0.1276571056 0.24053241 5.307272e-01
## ENSG00000134779 2.411012e+03   -0.3018429046 0.15014133 -2.010392e+00
## ENSG00000134780 1.439976e+02   -0.6894792648 0.24467876 -2.817896e+00
## ENSG00000134802 1.261146e+03   -0.4798674776 0.17550273 -2.734245e+00
## ENSG00000134809 1.749566e+02    0.0826220587 0.26092805 3.166469e-01
## ENSG00000134812 0.000000e+00      NA          NA          NA
## ENSG00000134815 2.119690e+02   -0.1244049849 0.19967641 -6.230330e-01
## ENSG00000134817 0.000000e+00      NA          NA          NA
## ENSG00000134824 1.903951e+03    0.1250427844 0.30980051 4.036236e-01
## ENSG00000134825 7.955457e+02   -0.0600346650 0.13902925 -4.318132e-01
## ENSG00000134827 0.000000e+00      NA          NA          NA

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## ENSG00000134830 2.302124e+01 -0.1730490380 0.34330517 -5.040677e-01
## ENSG00000134851 1.900595e+03 0.5667698026 0.11958972 4.739285e+00
## ENSG00000134852 9.011310e+02 -0.0895900831 0.11870835 -7.547075e-01
## ENSG00000134853 2.345435e+04 0.5955180304 0.20619354 2.888151e+00
## ENSG00000134864 8.779396e+01 0.2283019270 0.28503188 8.009698e-01
## ENSG00000134871 4.509491e+03 0.9209796662 0.18780553 4.903901e+00
## ENSG00000134873 6.716833e-01 0.9683828992 2.34778354 4.124669e-01
## ENSG00000134874 1.637953e+03 -0.4301238007 0.14839341 -2.898537e+00
## ENSG00000134882 1.293505e+03 0.1280844018 0.10272493 1.246868e+00
## ENSG00000134884 2.210924e+03 -0.0290686462 0.12808724 -2.269441e-01
## ENSG00000134897 7.773670e+02 0.0614711271 0.09513248 6.461634e-01
## ENSG00000134899 1.267816e+03 0.0050708948 0.11018368 4.602219e-02
## ENSG00000134900 1.752799e+03 0.1991647935 0.13257205 1.502314e+00
## ENSG00000134901 2.543468e+02 -0.2124391333 0.13847452 -1.534139e+00
## ENSG00000134905 8.851956e+02 0.4173767099 0.15376568 2.714369e+00
## ENSG00000134909 4.302569e+02 -0.4594189737 0.21637994 -2.123205e+00
## ENSG00000134910 3.410321e+03 0.1084128850 0.13669677 7.930903e-01
## ENSG00000134917 5.897091e+03 0.2291782654 0.38627258 5.933071e-01
## ENSG00000134940 1.238916e+00 0.0682235621 1.59564120 4.275621e-02
## ENSG00000134954 1.048958e+03 0.1896249019 0.14376067 1.319032e+00
## ENSG00000134955 2.685149e+01 -0.6032928649 0.45916424 -1.313893e+00
## ENSG00000134962 5.710536e+00 -0.5033754344 0.77988944 -6.454446e-01
## ENSG00000134970 2.574135e+03 0.2445252548 0.12284637 1.990496e+00
## ENSG00000134982 1.270458e+03 0.2200225400 0.15366633 1.431820e+00
## ENSG00000134986 8.326384e+02 -0.5372874636 0.17003420 -3.159879e+00
## ENSG00000134987 1.083464e+03 -0.7786918034 0.17813925 -4.371253e+00
## ENSG00000134996 3.702724e+02 0.0846819608 0.17158714 4.935216e-01
## ENSG00000135002 6.741294e+02 0.1570462417 0.16252708 9.662774e-01
## ENSG00000135018 2.290631e+03 0.1952585381 0.07888665 2.475179e+00
## ENSG00000135040 3.972502e+02 -0.1348256552 0.12072424 -1.116807e+00
## ENSG00000135045 7.786877e+01 -0.2564317594 0.26375765 -9.722249e-01
## ENSG00000135046 9.646183e+03 0.4559730992 0.19406437 2.349597e+00
## ENSG00000135047 5.270641e+03 0.1390243396 0.13885238 1.001238e+00
## ENSG00000135048 9.573378e+02 0.8565337022 0.21209082 4.038523e+00
## ENSG00000135049 2.414203e+02 0.1216498080 0.19167647 6.346622e-01
## ENSG00000135052 2.002635e+03 -0.3526919137 0.14456853 -2.439617e+00
## ENSG00000135063 7.676083e-01 3.1543185780 2.12815852 1.482182e+00
## ENSG00000135069 7.113675e+02 -1.2515872477 0.29979700 -4.174782e+00
## ENSG00000135070 7.383215e+02 0.5261066919 0.10693039 4.920086e+00
## ENSG00000135074 7.595885e+02 0.5597108701 0.21566046 2.595334e+00
## ENSG00000135077 2.180140e+01 0.0323819447 0.41073176 7.883964e-02
## ENSG00000135083 7.210519e+00 -0.6749463364 0.79070886 -8.535965e-01
## ENSG00000135090 1.3666792e+03 0.2917948126 0.10838320 2.692251e+00
## ENSG00000135093 3.487171e+02 -0.5425564478 0.12794645 -4.240496e+00
## ENSG00000135094 2.213470e+00 -0.2568185444 1.16963575 -2.195714e-01
## ENSG00000135097 1.475213e+00 0.5433635546 1.37770388 3.943979e-01
## ENSG00000135100 2.562499e+00 0.4840219343 1.22076104 3.964920e-01
## ENSG00000135108 1.038616e+03 -0.2163951666 0.12483750 -1.733415e+00
## ENSG00000135111 1.805025e+03 -0.4598707519 0.15062637 -3.053056e+00
## ENSG00000135114 6.374006e+00 -0.1241584427 0.73077496 -1.698997e-01
## ENSG00000135116 7.586708e+00 -0.6861199810 0.96810326 -7.087260e-01
## ENSG00000135119 1.994805e+01 -0.3291622715 0.41923119 -7.851569e-01
## ENSG00000135124 3.998697e+02 -0.0512276439 0.18704306 -2.738816e-01
## ENSG00000135127 4.056594e+00 0.2636148657 0.87260458 3.021012e-01

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## ENSG00000135144 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000135148 1.042750e+03    0.1345044928 0.15240962 8.825197e-01
## ENSG00000135164 1.224687e+03    0.3310259571 0.17663401 1.874078e+00
## ENSG00000135175 0.000000e+00      NA          NA          NA
## ENSG00000135185 3.264763e+02    0.3612061274 0.20279013 1.781182e+00
## ENSG00000135205 1.057716e+02    0.3281510135 0.23106673 1.420157e+00
## ENSG00000135211 2.807488e+02    0.2810912850 0.25027392 1.123135e+00
## ENSG00000135218 5.119074e+01    0.5743029672 0.47548682 1.207821e+00
## ENSG00000135220 0.000000e+00      NA          NA          NA
## ENSG00000135222 0.000000e+00      NA          NA          NA
## ENSG00000135226 0.000000e+00      NA          NA          NA
## ENSG00000135241 9.662976e+02    0.5675801738 0.15156227 3.744865e+00
## ENSG00000135245 2.100833e+02    0.1037967823 0.33343135 3.112988e-01
## ENSG00000135248 4.053222e+00    1.4278654080 1.29696172 1.100931e+00
## ENSG00000135249 4.248941e+02    0.0509111086 0.13773882 3.696206e-01
## ENSG00000135250 9.199059e+02    -0.2571899646 0.12702403 -2.024735e+00
## ENSG00000135253 8.587089e+00    -1.0674593151 0.66939712 -1.594658e+00
## ENSG00000135269 1.266300e+03    -0.1454507374 0.25779257 -5.642162e-01
## ENSG00000135272 1.342315e+03    0.1474242994 0.14709580 1.002233e+00
## ENSG00000135297 4.011863e+02    -0.3431083063 0.21605210 -1.588081e+00
## ENSG00000135298 1.173264e+00    -0.5816534417 1.78187896 -3.264270e-01
## ENSG00000135299 1.236283e+02    -0.2746623053 0.34814189 -7.889378e-01
## ENSG00000135312 4.795106e+00    2.6295201982 1.54542210 1.701490e+00
## ENSG00000135314 9.145861e+01    -0.4034541551 0.22860143 -1.764880e+00
## ENSG00000135315 3.320856e+02    -0.3325151845 0.15587434 -2.133226e+00
## ENSG00000135316 2.888089e+03    0.0164314896 0.13515432 1.215758e-01
## ENSG00000135317 1.428108e+03    0.1198253222 0.14833668 8.077929e-01
## ENSG00000135318 4.268538e+03    -0.8222702941 0.25160321 -3.268123e+00
## ENSG00000135324 2.820992e+00    0.2353953369 1.56091224 1.508063e-01
## ENSG00000135333 4.315404e-01    -0.6310698606 3.52264070 -1.791468e-01
## ENSG00000135334 7.838491e+02    -0.0307572821 0.10858152 -2.832644e-01
## ENSG00000135336 6.735543e+02    0.0470950276 0.10483661 4.492231e-01
## ENSG00000135338 2.350940e+02    -0.0651873650 0.14464663 -4.506663e-01
## ENSG00000135341 1.488054e+03    -0.0059513956 0.12347112 -4.820071e-02
## ENSG00000135346 2.999174e+00    1.0645534920 1.52289269 6.990338e-01
## ENSG00000135355 0.000000e+00      NA          NA          NA
## ENSG00000135362 1.093682e+02    1.1867790471 0.26731801 4.439578e+00
## ENSG00000135363 3.394454e+00    -0.2628079880 1.08712196 -2.417466e-01
## ENSG00000135365 1.359685e+03    -0.0173156883 0.11456820 -1.511387e-01
## ENSG00000135372 7.855444e+02    0.2117469824 0.10214889 2.072925e+00
## ENSG00000135373 5.202141e-01    -1.2328609286 3.04196508 -4.052844e-01
## ENSG00000135374 1.089410e+00    -1.3501219372 1.78007117 -7.584651e-01
## ENSG00000135378 2.748867e+01    0.7865513099 0.45435574 1.731135e+00
## ENSG00000135387 5.900364e+03    -0.1892480103 0.10723616 -1.764778e+00
## ENSG00000135390 1.812397e+03    -0.1118962361 0.09697590 -1.153856e+00
## ENSG00000135392 9.353070e+02    -0.0942955702 0.10946518 -8.614207e-01
## ENSG00000135404 2.275824e+04    -0.1626164468 0.12318607 -1.320088e+00
## ENSG00000135406 6.203492e+00    -0.3800308191 0.74334238 -5.112460e-01
## ENSG00000135407 9.339894e+01    0.2384042235 0.24945467 9.557016e-01
## ENSG00000135409 0.000000e+00      NA          NA          NA
## ENSG00000135413 0.000000e+00      NA          NA          NA
## ENSG00000135414 6.923692e+02    -0.3815204342 0.13767308 -2.771206e+00
## ENSG00000135423 4.507330e+00    0.0382383692 0.74589801 5.126488e-02
## ENSG00000135424 2.219088e+03    -0.5137771200 0.20591668 -2.495073e+00

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## ENSG00000135426 4.858890e+00    0.0300008781 0.74014366  4.053386e-02
## ENSG00000135436 1.144732e+01   -0.2343613309 0.52336879 -4.477939e-01
## ENSG00000135437 2.545815e+02   -0.7049354690 0.31588639 -2.231611e+00
## ENSG00000135439 2.352082e+02    0.1922314983 0.23460812  8.193727e-01
## ENSG00000135441 6.605774e+02    0.0579505947 0.16558877  3.499669e-01
## ENSG00000135443 0.000000e+00      NA          NA          NA
## ENSG00000135446 1.921534e+03   -0.7223595501 0.18248733 -3.958409e+00
## ENSG00000135447 7.294107e-01    0.8938355552 2.83091962  3.157404e-01
## ENSG00000135451 1.011476e+01    0.6088924274 0.57275945  1.063086e+00
## ENSG00000135452 5.106145e+02    0.1597970119 0.14023668  1.139481e+00
## ENSG00000135454 1.829325e+01    0.7497005988 0.44460519  1.686216e+00
## ENSG00000135457 5.394372e+02   -0.1100518193 0.12943810 -8.502274e-01
## ENSG00000135469 1.446338e+02    0.0717001785 0.23265066  3.081882e-01
## ENSG00000135472 1.682121e+02   -1.6620471590 0.45816981 -3.627579e+00
## ENSG00000135473 4.767175e+02    0.2359914084 0.19590277  1.204635e+00
## ENSG00000135476 5.430599e+01    0.4637129722 0.35728153  1.297892e+00
## ENSG00000135477 1.146895e+00   -0.5499058627 1.59031737 -3.457837e-01
## ENSG00000135480 2.435631e+02    1.0542840647 0.57315631  1.839435e+00
## ENSG00000135482 2.306178e+02   -0.2254304125 0.16343109 -1.379361e+00
## ENSG00000135486 1.176823e+04    0.1673036138 0.16417239  1.019073e+00
## ENSG00000135502 4.541813e+01    0.9986227670 0.31033180  3.217920e+00
## ENSG00000135503 7.485749e+02    0.3777513725 0.10702372  3.529604e+00
## ENSG00000135506 8.036845e+03   -0.0358802476 0.11511872 -3.116804e-01
## ENSG00000135517 8.993995e-01   -2.3389782603 2.19743832 -1.064411e+00
## ENSG00000135519 4.055029e+00   -0.9030408775 1.31494430 -6.867522e-01
## ENSG00000135521 3.731250e+02    0.2354846028 0.18005140  1.307874e+00
## ENSG00000135525 4.630307e+01   -0.0135331130 0.41560942 -3.256209e-02
## ENSG00000135535 6.904241e+03    0.0701497816 0.08156500 -8.600476e-01
## ENSG00000135537 7.769207e+01   -0.1161193930 0.26527490 -4.377323e-01
## ENSG00000135540 6.276113e+02    0.4752402894 0.27297542  1.740964e+00
## ENSG00000135541 4.578449e+02   -0.4916860884 0.21186140 -2.320791e+00
## ENSG00000135547 8.272928e-01    0.5561399207 1.95277820  2.847942e-01
## ENSG00000135549 4.850727e+00   -1.2370021936 0.86998627 -1.421864e+00
## ENSG00000135569 0.000000e+00      NA          NA          NA
## ENSG00000135577 3.193253e+00   -1.1862210892 1.04289859 -1.137427e+00
## ENSG00000135587 9.449485e+01   -0.3466743369 0.19440975 -1.783215e+00
## ENSG00000135596 1.348805e+03    0.4399323323 0.11701504  3.759622e+00
## ENSG00000135597 4.050605e+02   -0.0359020733 0.11723283 -3.062459e-01
## ENSG00000135604 2.184444e+01    2.5120582459 0.62426821  4.024005e+00
## ENSG00000135605 2.544448e+01   -0.3019185640 0.45525468 -6.631861e-01
## ENSG00000135617 1.704045e+02   -0.1923267254 0.26009980 -7.394343e-01
## ENSG00000135622 2.897362e+02   -0.1959286265 0.17783778 -1.101727e+00
## ENSG00000135624 2.486410e+03    0.1103572027 0.08744031  1.262086e+00
## ENSG00000135625 0.000000e+00      NA          NA          NA
## ENSG00000135631 1.911228e+03    0.0168213984 0.12118935  1.388026e-01
## ENSG00000135632 4.453442e+02   -0.0871952801 0.15400485 -5.661853e-01
## ENSG00000135636 5.573978e+00    0.1481721549 1.24585854  1.189318e-01
## ENSG00000135637 1.263531e+02   -0.1228775573 0.29499001 -4.165482e-01
## ENSG00000135638 2.130927e-01   -1.2312738004 3.52871919 -3.489294e-01
## ENSG00000135643 1.475527e+01   -0.4863547107 0.48137325 -1.010348e+00
## ENSG00000135655 7.638090e+02   -0.0061723356 0.15933558 -3.873796e-02
## ENSG00000135677 9.611396e+03   -0.1644776899 0.16391509 -1.003432e+00
## ENSG00000135678 8.583847e+02    1.4543451286 0.29311081  4.961759e+00
## ENSG00000135679 3.281033e+03   -0.6713432027 0.16158065 -4.154849e+00

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## ENSG00000135686 1.662715e+03    0.2224165905 0.14331484  1.551944e+00
## ENSG00000135697 2.461323e+00   -2.4735668152 1.21146130 -2.041804e+00
## ENSG00000135698 2.794239e+02    0.1291709895 0.25451321  5.075217e-01
## ENSG00000135702 4.517552e+00   -0.7965098293 1.03905709 -7.665698e-01
## ENSG00000135709 1.423407e+03    -0.2446539677 0.30635232 -7.986033e-01
## ENSG00000135720 4.412649e+03    -0.0030057535 0.08740088 -3.439043e-02
## ENSG00000135722 1.390512e+02    -0.0551955208 0.22759086 -2.425208e-01
## ENSG00000135723 3.969720e+02    -0.6266379200 0.25850235 -2.424109e+00
## ENSG00000135736 2.772226e+02   -0.1218240380 0.14101793 -8.638904e-01
## ENSG00000135740 1.072015e+02   -0.3775300975 0.19892139 -1.897886e+00
## ENSG00000135744 7.567566e+02   -0.8670058167 0.92020228 -9.421905e-01
## ENSG00000135747 2.925497e+01   -0.6870762487 0.31461154 -2.183888e+00
## ENSG00000135749 5.824987e+02   -0.4190580947 0.14356976 -2.918847e+00
## ENSG00000135750 6.294129e+01   0.4262902771 0.64693741  6.589359e-01
## ENSG00000135763 1.587977e+02   0.2590793513 0.19630070  1.319809e+00
## ENSG00000135766 1.567903e+03   0.1865087231 0.17574229  1.061263e+00
## ENSG00000135773 3.702683e+00   -0.5846276033 1.31916548 -4.431799e-01
## ENSG00000135775 4.571090e+02   -0.1009924609 0.17871560 -5.651015e-01
## ENSG00000135776 3.092042e+02   0.5103731377 0.14171894  3.601305e+00
## ENSG00000135778 6.945292e+02   -0.3708597261 0.22945905 -1.616235e+00
## ENSG00000135801 3.257550e+02   0.4595210448 0.16578058  2.771863e+00
## ENSG00000135821 1.997340e+04   3.0413943108 0.27598692  1.102007e+01
## ENSG00000135823 1.009808e+03   0.4885178408 0.12803371  3.815541e+00
## ENSG00000135824 3.089168e-01   0.1733657147 3.53381154  4.905913e-02
## ENSG00000135828 3.727059e+02   0.0600058338 0.34514959  1.738546e-01
## ENSG00000135829 3.472793e+03   0.0154116809 0.11284017  1.365797e-01
## ENSG00000135835 5.128801e+02   -0.0152341837 0.20775243 -7.332855e-02
## ENSG00000135837 2.609795e+03   0.0821890801 0.15179077  5.414630e-01
## ENSG00000135838 5.806683e+01   0.5568218384 0.36401355  1.529673e+00
## ENSG00000135842 2.103584e+03   -0.6807617043 0.33253716 -2.047175e+00
## ENSG00000135845 3.304434e+02   0.3128773372 0.13384073  2.337684e+00
## ENSG00000135862 3.426138e+04   0.6343047993 0.16446750  3.856718e+00
## ENSG00000135870 6.845438e+02   0.2640733509 0.13278480  1.988732e+00
## ENSG00000135898 0.000000e+00      NA        NA        NA
## ENSG00000135899 5.263749e+02   0.3939783402 0.15407541  2.557049e+00
## ENSG00000135900 3.489403e+02   0.0863199219 0.11609614  7.435210e-01
## ENSG00000135902 0.000000e+00      NA        NA        NA
## ENSG00000135903 3.182787e-01   1.9533382116 3.50190451  5.577931e-01
## ENSG00000135905 5.303914e+02   0.0227771748 0.28654092  7.949013e-02
## ENSG00000135912 2.326437e+02   0.3400972211 0.19893539  1.709586e+00
## ENSG00000135913 1.930233e+02   0.0258354350 0.24597231  1.050339e-01
## ENSG00000135914 1.967875e+01   -0.4913062274 0.55973159 -8.777533e-01
## ENSG00000135916 3.751773e+03   -0.0440953924 0.12660626 -3.482876e-01
## ENSG00000135917 5.334999e+01   1.1026728578 0.34009208  3.242277e+00
## ENSG00000135919 9.479323e+03   -0.6474688676 0.34147581 -1.896090e+00
## ENSG00000135924 1.875668e+03   -0.2903598361 0.10617489 -2.734732e+00
## ENSG00000135925 3.784042e-01   -1.9467769604 3.47859745 -5.596442e-01
## ENSG00000135926 5.332399e+03   0.5390082292 0.14012882  3.846519e+00
## ENSG00000135929 1.094125e+03   -0.0482438143 0.17116764 -2.818513e-01
## ENSG00000135930 1.276566e+03   0.1145031951 0.11878230  9.639753e-01
## ENSG00000135931 1.082843e+03   0.5545491430 0.39804787  1.393172e+00
## ENSG00000135932 1.688332e+03   0.1811506264 0.10599784  1.709003e+00
## ENSG00000135940 1.057716e+03   0.1049228423 0.11806323  8.887004e-01
## ENSG00000135945 4.188118e+02   -0.0290844613 0.14246055 -2.041580e-01

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## ENSG00000135951 4.198008e+01    0.2028131873 0.53741305  3.773879e-01
## ENSG00000135953 1.950363e+02   -0.1041956274 0.21800814 -4.779437e-01
## ENSG00000135956 2.404993e+03    0.3120931982 0.10146951  3.075734e+00
## ENSG00000135960 0.000000e+00      NA          NA          NA
## ENSG00000135966 7.014631e+02    0.1512253687 0.12393531  1.220196e+00
## ENSG00000135968 1.389929e+03   -0.1649100056 0.20986444 -7.857930e-01
## ENSG00000135972 2.966891e+02   -0.2096355614 0.16725209 -1.253411e+00
## ENSG00000135973 7.348411e-01    1.1222256807 2.38024171  4.714755e-01
## ENSG00000135974 5.348748e+02    0.0379946726 0.12415374  3.060292e-01
## ENSG00000135976 2.743364e+02   -0.5418981271 0.15910828 -3.405845e+00
## ENSG00000135999 6.114007e+02   -0.1563839394 0.10381856 -1.506320e+00
## ENSG00000136002 3.150737e+01   -0.6284928830 0.37557099 -1.673433e+00
## ENSG00000136003 2.671539e+03   -0.0579585640 0.14166305 -4.091297e-01
## ENSG00000136010 2.166964e+03   -0.2929280370 0.13843631 -2.115977e+00
## ENSG00000136011 1.334243e+01    1.1296253280 0.87428494  1.292056e+00
## ENSG00000136014 2.307376e+02    0.4083656908 0.16720634  2.442286e+00
## ENSG00000136021 1.175002e+03   -0.1073233316 0.10485988 -1.023493e+00
## ENSG00000136026 4.221101e+03   -0.2183119647 0.13822034 -1.579449e+00
## ENSG00000136040 4.578922e+03   -0.0433311280 0.26176430 -1.655349e-01
## ENSG00000136044 2.484083e+03   -0.0742129813 0.22505554 -3.297541e-01
## ENSG00000136045 9.045529e+02    0.1110916769 0.10853090  1.023595e+00
## ENSG00000136048 6.003034e+03   -0.2223149139 0.22154523 -1.003474e+00
## ENSG00000136051 2.108392e+03    0.2731422777 0.12686154  2.153074e+00
## ENSG00000136052 3.496265e+02   -0.7834357573 0.33359407 -2.348470e+00
## ENSG00000136059 1.544394e+02   -0.1043777832 0.25750508 -4.053426e-01
## ENSG00000136068 2.104263e+03    0.4978900583 0.14335212  3.473196e+00
## ENSG00000136098 2.367039e+02   -0.2768577389 0.34963873  7.918395e-01
## ENSG00000136099 0.000000e+00      NA          NA          NA
## ENSG00000136100 8.032477e+02    0.2551260669 0.15628294  1.632463e+00
## ENSG00000136104 3.205826e+02   -0.1635573621 0.19050731 -8.585359e-01
## ENSG00000136108 3.818347e+02   -0.2517836808 0.16487611 -1.527108e+00
## ENSG00000136110 0.000000e+00      NA          NA          NA
## ENSG00000136111 6.966345e+02    0.4485970996 0.15878309  2.825220e+00
## ENSG00000136114 1.164164e+02    0.2688657441 0.39186757  6.861138e-01
## ENSG00000136122 6.327661e+01    0.2705888519 0.23897150  1.132306e+00
## ENSG00000136141 5.172914e+02   -0.5996625944 0.14305912 -4.191712e+00
## ENSG00000136143 6.852148e+02   -0.0803064855 0.12085410 -6.644912e-01
## ENSG00000136144 8.915682e+02   -0.2810795375 0.15905005 -1.767240e+00
## ENSG00000136146 6.683095e+02    0.1713489048 0.12092675  1.416964e+00
## ENSG00000136147 4.863513e+02    0.1697790620 0.11789509  1.440086e+00
## ENSG00000136149 1.639041e+01    0.5148871574 0.47572086  1.082330e+00
## ENSG00000136152 5.903663e+02    0.0490125038 0.11012156  4.450764e-01
## ENSG00000136153 3.770647e+03    0.3324657626 0.31162266  1.066886e+00
## ENSG00000136155 0.000000e+00      NA          NA          NA
## ENSG00000136156 1.518705e+04    0.4858005613 0.14008691  3.467851e+00
## ENSG00000136158 2.542038e+02    0.6961712393 0.20709549  3.361595e+00
## ENSG00000136159 2.200208e+02   -0.0492284237 0.17101666 -2.878575e-01
## ENSG00000136160 6.373239e+02    0.6397938991 0.70097956  9.127141e-01
## ENSG00000136161 3.071970e+02    0.1896738136 0.13878453  1.366678e+00
## ENSG00000136167 6.270413e+00   -0.4986855737 1.31807326 -3.783444e-01
## ENSG00000136169 4.464504e+02   -0.0230032622 0.11066888 -2.078566e-01
## ENSG00000136193 4.990094e+03    0.4511223745 0.13965883  3.230174e+00
## ENSG00000136197 5.813206e+01    0.0238850231 0.41937827  5.695341e-02
## ENSG00000136205 8.801642e+03   -0.0253409702 0.20305168 -1.248006e-01

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## ENSG00000136206 8.225035e+00 -0.9128645863 0.75402160 -1.210661e+00
## ENSG00000136213 5.811274e+02 0.4203547874 0.20034787 2.098125e+00
## ENSG00000136231 3.441662e+02 0.2153296495 0.43233991 4.980564e-01
## ENSG00000136235 2.655046e+04 -0.3993124242 0.08164298 -4.890959e+00
## ENSG00000136237 1.170508e+02 3.1581373617 0.56867780 5.553474e+00
## ENSG00000136238 4.913944e+03 0.2353792706 0.09924642 2.371665e+00
## ENSG00000136240 4.880601e+03 -0.0107654239 0.10831153 -9.939315e-02
## ENSG00000136243 2.584404e+02 0.0313542923 0.15112312 2.074751e-01
## ENSG00000136244 1.579555e+02 -0.7507167596 0.44399007 -1.690841e+00
## ENSG00000136247 7.282165e+02 0.1618129252 0.11149562 1.451294e+00
## ENSG00000136250 4.148334e-01 2.2468493082 3.14737442 7.138805e-01
## ENSG00000136261 4.061365e+02 -0.5175816594 0.22669350 -2.283178e+00
## ENSG00000136267 1.996683e+01 -1.6253147231 0.89888822 -1.808139e+00
## ENSG00000136270 5.750803e+02 0.5107221117 0.14578711 3.503205e+00
## ENSG00000136271 7.496917e+02 0.2493929118 0.11902387 2.095319e+00
## ENSG00000136273 2.264416e+02 0.0378946807 0.16800146 2.255616e-01
## ENSG00000136274 3.607341e+02 -0.2625408601 0.11783698 -2.228001e+00
## ENSG00000136279 1.983399e+03 -0.0325490710 0.15801025 -2.059934e-01
## ENSG00000136280 6.518400e+02 0.0913304463 0.10328858 8.842260e-01
## ENSG00000136286 1.363038e+00 0.4877166002 1.62151194 3.007789e-01
## ENSG00000136295 2.247446e+03 -0.7150867866 0.22081602 -3.238383e+00
## ENSG00000136297 0.000000e+00 NA NA NA
## ENSG00000136305 1.928390e+01 0.0649844040 0.69697416 9.323790e-02
## ENSG00000136319 2.619988e+02 -0.3135017860 0.20878432 -1.501558e+00
## ENSG00000136327 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000136352 0.000000e+00 NA NA NA
## ENSG00000136367 5.571850e+01 -0.4278720214 0.37275599 -1.147861e+00
## ENSG00000136371 1.091877e+02 0.2877679002 0.30174238 9.536874e-01
## ENSG00000136378 1.709866e+03 0.8572170825 0.25772533 3.326088e+00
## ENSG00000136379 5.157660e+02 0.5389066576 0.18816892 2.863952e+00
## ENSG00000136381 1.131443e+03 0.1160489094 0.09347553 1.241490e+00
## ENSG00000136383 6.375991e+01 1.9271856933 0.63415818 3.038967e+00
## ENSG00000136404 3.177457e+01 0.8737614171 0.54809763 1.594171e+00
## ENSG00000136425 6.076704e+01 -0.3551138687 0.34089042 -1.041724e+00
## ENSG00000136436 3.099742e+03 1.0572494235 0.18950172 5.579102e+00
## ENSG00000136444 4.412166e+02 -0.2620465799 0.21094514 -1.242250e+00
## ENSG00000136448 3.088381e+03 -0.0350236418 0.09292336 -3.769089e-01
## ENSG00000136449 4.433558e+01 0.2811410946 0.32234539 8.721735e-01
## ENSG00000136450 2.407667e+03 0.0204432226 0.11670377 1.751719e-01
## ENSG00000136451 1.670837e+03 0.1567921915 0.09495063 1.651302e+00
## ENSG00000136457 1.840445e+01 0.0888190371 0.42738255 2.078209e-01
## ENSG00000136463 2.425030e+02 -0.0603521080 0.13186254 -4.576896e-01
## ENSG00000136478 3.731860e+03 1.5065596654 0.19741720 7.631349e+00
## ENSG00000136485 1.791517e+03 0.2148831920 0.12096396 1.776423e+00
## ENSG00000136487 0.000000e+00 NA NA NA
## ENSG00000136488 2.259036e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000136490 6.544080e+01 -0.1588628584 0.26025380 -6.104151e-01
## ENSG00000136492 8.785368e+01 0.0461155332 0.35087668 1.314295e-01
## ENSG00000136504 7.462955e+02 -0.1864561542 0.09856513 -1.891705e+00
## ENSG00000136514 5.518147e+01 -0.4301585250 0.47867921 -8.986363e-01
## ENSG00000136518 4.710883e+02 -0.0527581426 0.13144440 -4.013723e-01
## ENSG00000136521 8.498469e+02 -0.0531467638 0.14297887 -3.717106e-01
## ENSG00000136522 3.300318e+02 0.1611651740 0.16127268 9.993334e-01
## ENSG00000136527 1.329332e+03 -0.0008791614 0.09388731 -9.364007e-03

```

```

## ENSG00000136531 2.688867e+02 -0.8543320029 0.44363228 -1.925766e+00
## ENSG00000136535 1.949327e+00 2.1985341206 2.07199617 1.061071e+00
## ENSG00000136536 1.800995e+03 -0.2450412489 0.14265383 -1.717733e+00
## ENSG00000136541 1.913427e+00 -2.5178883168 1.70919909 -1.473139e+00
## ENSG00000136542 2.600911e+03 -0.2182396632 0.26768221 -8.152939e-01
## ENSG00000136546 5.044421e+03 1.3963322581 0.39449734 3.539523e+00
## ENSG00000136560 1.181095e+03 0.5557506025 0.10877147 5.109341e+00
## ENSG00000136573 2.692694e+00 0.4526382760 1.03452543 4.375323e-01
## ENSG00000136574 0.000000e+00 NA NA NA
## ENSG00000136603 8.516963e+02 -0.1350084238 0.16899252 -7.989018e-01
## ENSG00000136628 2.710045e+03 -0.3226090802 0.13976081 -2.308294e+00
## ENSG00000136630 3.967152e+02 0.3257652896 0.18240777 1.785918e+00
## ENSG00000136631 7.104943e+02 -0.1295650672 0.14141689 -9.161923e-01
## ENSG00000136634 1.151075e+00 -1.5731544560 1.88834517 -8.330863e-01
## ENSG00000136636 1.598064e+03 -0.2621125918 0.12157569 -2.155962e+00
## ENSG00000136643 7.156971e+02 -0.2641011939 0.09510674 -2.776893e+00
## ENSG00000136682 3.379476e+02 0.0853212559 0.20384777 4.185538e-01
## ENSG00000136688 0.000000e+00 NA NA NA
## ENSG00000136689 1.248443e+00 -3.6887053219 1.84445054 -1.999894e+00
## ENSG00000136694 0.000000e+00 NA NA NA
## ENSG00000136695 0.000000e+00 NA NA NA
## ENSG00000136696 0.000000e+00 NA NA NA
## ENSG00000136697 0.000000e+00 NA NA NA
## ENSG00000136698 0.000000e+00 NA NA NA
## ENSG00000136699 1.190876e+03 0.0081247232 0.10917344 7.442033e-02
## ENSG00000136709 1.144392e+03 0.0645132066 0.12697877 5.080629e-01
## ENSG00000136710 6.465399e+02 -0.0785452943 0.11088613 -7.083419e-01
## ENSG00000136715 6.463954e+02 -0.2270320187 0.14988322 -1.514726e+00
## ENSG00000136717 7.225019e+02 -0.4484261552 0.24421191 -1.836217e+00
## ENSG00000136718 5.237109e+02 0.3064637143 0.12328640 2.485787e+00
## ENSG00000136720 1.482784e+03 0.5396960028 0.16144366 3.342937e+00
## ENSG00000136731 2.683234e+03 -0.0566653189 0.13954987 -4.060578e-01
## ENSG00000136732 1.259857e+03 -0.3157324615 0.17084076 -1.848110e+00
## ENSG00000136738 9.174603e+02 -0.1704223015 0.14139092 -1.205327e+00
## ENSG00000136750 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000136754 1.143816e+03 0.1793642195 0.11903296 1.506845e+00
## ENSG00000136758 3.328269e+03 0.0418482584 0.10210239 4.098656e-01
## ENSG00000136770 5.466390e+02 -0.0930547971 0.11233072 -8.284003e-01
## ENSG00000136783 2.856960e+02 0.5241188622 0.15171732 3.454575e+00
## ENSG00000136802 1.366725e+03 -0.0451664340 0.10265537 -4.399812e-01
## ENSG00000136807 8.391832e+02 0.1499650989 0.13700357 1.094607e+00
## ENSG00000136810 2.798704e+03 0.0164283109 0.14982208 1.096521e-01
## ENSG00000136811 5.858397e+02 0.0284068849 0.14959086 1.898972e-01
## ENSG00000136813 2.868066e+03 0.2895716780 0.14414030 2.008957e+00
## ENSG00000136816 7.901186e+02 0.1284707473 0.13728122 9.358217e-01
## ENSG00000136819 9.676229e+02 0.0689651163 0.09922676 6.950254e-01
## ENSG00000136824 5.439839e+02 -0.1275184723 0.13559852 -9.404119e-01
## ENSG00000136826 1.284399e+03 -0.7092747736 0.30709521 -2.309625e+00
## ENSG00000136827 9.759510e+02 0.2607018830 0.09934281 2.624265e+00
## ENSG00000136828 1.155779e+02 -0.6492943736 0.29699687 -2.186199e+00
## ENSG00000136830 1.819015e+04 0.6791285718 0.11872691 5.720090e+00
## ENSG00000136834 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000136839 0.000000e+00 NA NA NA
## ENSG00000136840 3.928475e+02 0.3456724770 0.20170068 1.713789e+00

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## ENSG00000136842 1.564372e+02 -0.2596324474 0.48944913 -5.304585e-01
## ENSG00000136848 1.594936e+03 -0.1760415854 0.16772032 -1.049614e+00
## ENSG00000136854 1.409912e+03 -0.0414503120 0.14773601 -2.805701e-01
## ENSG00000136856 1.459699e+02 0.0324318193 0.21598739 1.501561e-01
## ENSG00000136859 6.504121e+03 -0.8951770735 0.13806545 -6.483715e+00
## ENSG00000136861 1.697073e+03 -0.2592966402 0.16487617 -1.572675e+00
## ENSG00000136866 6.383124e+01 -0.2634042545 0.30064532 -8.761296e-01
## ENSG00000136867 1.612776e+02 0.5582832295 0.23705228 2.355106e+00
## ENSG00000136868 1.061674e+03 0.4380484652 0.14553917 3.009832e+00
## ENSG00000136869 2.837773e+02 0.7300922010 0.40245253 1.814108e+00
## ENSG00000136870 3.357839e+02 -0.2619728354 0.11771591 -2.225467e+00
## ENSG00000136872 2.866988e+00 0.0266831327 0.89871229 2.969041e-02
## ENSG00000136874 3.783647e+02 0.1024439790 0.19592628 5.228700e-01
## ENSG00000136875 4.977968e+02 0.0041830816 0.11892371 3.517450e-02
## ENSG00000136877 1.049719e+03 0.6851151835 0.10209431 6.710611e+00
## ENSG00000136878 5.403735e+02 -0.1946776572 0.10914639 -1.783638e+00
## ENSG00000136881 5.218251e-01 0.1683170240 3.10723402 5.416941e-02
## ENSG00000136883 8.900730e-01 -0.4505936850 2.78665892 -1.616967e-01
## ENSG00000136888 1.080748e+03 -0.1435702791 0.09821968 -1.461726e+00
## ENSG00000136891 6.280931e+02 0.0069442183 0.12019944 5.777247e-02
## ENSG00000136895 5.420585e+01 -0.2807921747 0.27397157 -1.024895e+00
## ENSG00000136897 2.630410e+02 0.1698517068 0.15211814 1.116578e+00
## ENSG00000136908 3.934339e+02 0.1858644787 0.12969605 1.433077e+00
## ENSG00000136918 6.075741e-01 -2.6324771444 2.30244791 -1.143338e+00
## ENSG00000136925 4.811008e+02 -0.2517123526 0.15885790 -1.584513e+00
## ENSG00000136928 1.442985e+02 0.6742414806 0.55429047 1.216405e+00
## ENSG00000136929 2.345680e+00 -0.4756734971 1.23758576 -3.843560e-01
## ENSG00000136930 1.729416e+03 -0.1131007510 0.08952639 -1.263323e+00
## ENSG00000136931 0.000000e+00 NA NA NA
## ENSG00000136932 1.512953e+02 -0.1568543234 0.21557400 -7.276124e-01
## ENSG00000136933 3.660077e+02 0.0368833854 0.21469583 1.717937e-01
## ENSG00000136935 7.115865e+02 -0.1220952798 0.13056612 -9.351222e-01
## ENSG00000136936 2.058981e+02 -0.1688092349 0.19465002 -8.672449e-01
## ENSG00000136937 8.259429e+02 -0.1213085820 0.15789267 -7.682977e-01
## ENSG00000136938 2.413190e+03 0.1182939151 0.09469463 1.249215e+00
## ENSG00000136939 0.000000e+00 NA NA NA
## ENSG00000136940 4.562756e+02 -0.2005263944 0.15764621 -1.272003e+00
## ENSG00000136942 4.900911e+03 -0.0307006442 0.20006135 -1.534561e-01
## ENSG00000136943 6.122021e+00 1.0491095723 0.73423882 1.428840e+00
## ENSG00000136944 2.297197e+00 -0.5453556240 1.12106896 -4.864604e-01
## ENSG00000136950 3.654406e+02 0.0429519846 0.11094093 3.871608e-01
## ENSG00000136960 4.677900e+02 -1.0073039868 0.48657704 -2.070184e+00
## ENSG00000136982 7.963797e+01 -0.0585855912 0.40551861 -1.444708e-01
## ENSG00000136986 1.561129e+03 0.2905343061 0.12181235 2.385097e+00
## ENSG00000136997 7.499415e+02 0.8637994723 0.12545862 6.885135e+00
## ENSG00000136999 4.469714e+02 -2.6028324789 0.33690169 -7.725792e+00
## ENSG00000137033 8.651880e+02 -0.2341379953 0.30909882 -7.574859e-01
## ENSG00000137038 3.452421e+02 0.1074937863 0.13801618 7.788491e-01
## ENSG00000137040 4.704981e+02 -0.1613927898 0.13400664 -1.204364e+00
## ENSG00000137054 4.229744e+02 -0.1721459659 0.22340622 -7.705514e-01
## ENSG00000137055 6.272804e+02 -0.1348140014 0.11295864 -1.193481e+00
## ENSG00000137070 4.653059e+02 -0.1931751052 0.18258001 -1.058030e+00
## ENSG00000137073 7.544892e+02 0.0374563083 0.15088845 2.482384e-01
## ENSG00000137074 4.130727e+02 -0.1479755159 0.11786646 -1.255451e+00

```

## ENSG00000137075	9.135117e+02	0.1884838649	0.15147961	1.244285e+00
## ENSG00000137076	2.005484e+04	0.6381166751	0.07704749	8.282121e+00
## ENSG00000137077	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000137078	1.579816e+00	-0.6844672332	1.53744900	-4.451967e-01
## ENSG00000137080	0.000000e+00	NA	NA	NA
## ENSG00000137090	3.483129e-01	-1.8407528231	3.48574393	-5.280803e-01
## ENSG00000137094	3.385925e+02	-0.2605587455	0.24860698	-1.048075e+00
## ENSG00000137098	3.077380e+01	-0.7929604453	0.36294659	-2.184785e+00
## ENSG00000137100	7.705384e+02	-0.1197572976	0.13604286	-8.802910e-01
## ENSG00000137101	5.623935e+01	-0.0966253661	0.29295990	-3.298245e-01
## ENSG00000137103	5.426974e+02	0.0800481599	0.15712510	5.094550e-01
## ENSG00000137106	1.188695e+03	0.1693382671	0.10416834	1.625621e+00
## ENSG00000137124	6.686009e+02	0.9819284675	0.25341461	3.874790e+00
## ENSG00000137133	1.493151e+02	-0.0664953998	0.30389173	-2.188128e-01
## ENSG00000137135	3.355686e+01	-0.0786666716	0.35240315	-2.232292e-01
## ENSG00000137142	5.441824e-01	1.5718394015	2.95459452	5.319983e-01
## ENSG00000137145	1.484067e+03	0.1419583942	0.16932677	8.383695e-01
## ENSG00000137154	2.433931e+04	-0.0402153198	0.18864251	-2.131827e-01
## ENSG00000137161	5.549676e+02	0.0253659242	0.10904527	2.326183e-01
## ENSG00000137166	3.724156e+02	0.2094751824	0.12035913	1.740418e+00
## ENSG00000137168	2.718723e+02	-0.0369598739	0.26744177	-1.381978e-01
## ENSG00000137171	3.806727e+02	-0.2643478402	0.12229181	-2.161615e+00
## ENSG00000137177	4.541347e+03	0.1842279457	0.18440826	9.990222e-01
## ENSG00000137185	1.206278e+02	-0.2433937088	0.21564681	-1.128668e+00
## ENSG00000137193	7.595752e+02	-0.8491957319	0.24301917	-3.494357e+00
## ENSG00000137197	0.000000e+00	NA	NA	NA
## ENSG00000137198	2.032251e+02	0.2659896702	0.28959213	9.184976e-01
## ENSG00000137200	1.251620e+03	0.0835737458	0.08557385	9.766272e-01
## ENSG00000137203	7.307215e+01	-1.5536921303	0.63497220	-2.446866e+00
## ENSG00000137204	1.226236e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000137207	2.269095e+03	0.0992694393	0.06875318	1.443852e+00
## ENSG00000137210	6.327983e+02	0.0532069247	0.10557002	5.039965e-01
## ENSG00000137216	8.773421e+02	-0.1793570585	0.12615470	-1.421723e+00
## ENSG00000137218	7.694629e+01	0.1011029806	0.25918682	3.900776e-01
## ENSG00000137221	6.399594e+02	0.1331189963	0.10537435	1.263296e+00
## ENSG00000137225	1.255427e+00	-0.5416368211	2.23510059	-2.423322e-01
## ENSG00000137251	0.000000e+00	NA	NA	NA
## ENSG00000137252	0.000000e+00	NA	NA	NA
## ENSG00000137261	8.110352e+00	-1.1035577078	0.68083437	-1.620890e+00
## ENSG00000137265	2.339607e+02	1.1055799957	0.52750925	2.095849e+00
## ENSG00000137266	2.153674e+02	-1.2852268573	0.21323566	-6.027260e+00
## ENSG00000137267	3.999701e+02	0.2186041382	0.28338906	7.713923e-01
## ENSG00000137269	1.213809e+02	0.4572404342	0.17453451	2.619771e+00
## ENSG00000137270	2.475142e+00	-0.6238680082	0.99112047	-6.294573e-01
## ENSG00000137273	2.282311e+03	-0.7128462485	0.19668783	-3.624252e+00
## ENSG00000137274	1.740951e+02	-0.4719249192	0.27100665	-1.741378e+00
## ENSG00000137275	9.791186e+02	0.0533502292	0.10730881	4.971654e-01
## ENSG00000137285	3.889448e+01	-0.4059238509	0.43787010	-9.270417e-01
## ENSG00000137288	3.846930e+02	-0.3908780608	0.23250099	-1.681189e+00
## ENSG00000137309	3.146326e+03	-0.4779696698	0.15035481	-3.178945e+00
## ENSG00000137310	1.458448e+01	-0.4166562981	3.23751284	-1.286964e-01
## ENSG00000137312	4.500685e+02	0.2854753598	0.12643584	2.257867e+00
## ENSG00000137313	1.439088e+02	0.1001968664	1.01139076	9.906840e-02
## ENSG00000137321	0.000000e+00	NA	NA	NA

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## ENSG00000137331 0.000000e+00 NA NA NA
## ENSG00000137332 5.636268e-01 1.7112730589 2.91280395 5.875003e-01
## ENSG00000137337 2.006240e+01 0.5446697029 0.46413187 1.173524e+00
## ENSG00000137338 1.629841e+02 0.0360165084 0.15664590 2.299231e-01
## ENSG00000137343 2.389356e+01 -0.6190578887 0.45441667 -1.362313e+00
## ENSG00000137345 0.000000e+00 NA NA NA
## ENSG00000137364 3.439952e+02 -0.3782097607 0.15384255 -2.458421e+00
## ENSG00000137384 0.000000e+00 NA NA NA
## ENSG00000137392 0.000000e+00 NA NA NA
## ENSG00000137393 1.662803e+02 1.9484199853 0.41332125 4.714057e+00
## ENSG00000137394 0.000000e+00 NA NA NA
## ENSG00000137397 0.000000e+00 NA NA NA
## ENSG00000137403 6.646323e+00 -0.8254081648 0.89488049 -9.223669e-01
## ENSG00000137404 1.815638e+01 -0.5271814186 0.40832217 -1.291092e+00
## ENSG00000137409 4.133666e+03 -0.0755022086 0.05696962 -1.325307e+00
## ENSG00000137411 6.898421e+01 0.0328615862 2.14416446 1.532606e-02
## ENSG00000137413 4.167852e+02 -0.0447153039 0.13092574 -3.415318e-01
## ENSG00000137414 1.740700e+03 0.1149016010 0.12929912 8.886495e-01
## ENSG00000137434 6.248130e+00 -0.4466104148 0.81166180 -5.502420e-01
## ENSG00000137440 0.000000e+00 NA NA NA
## ENSG00000137441 0.000000e+00 NA NA NA
## ENSG00000137449 2.416598e+02 0.1336365642 0.22842520 5.850342e-01
## ENSG00000137460 1.926134e+01 -0.2440932044 0.45606604 -5.352146e-01
## ENSG00000137462 2.958058e+01 -0.3793793786 0.47523467 -7.982990e-01
## ENSG00000137463 2.514819e+02 0.4687236594 0.40356449 1.161459e+00
## ENSG00000137473 5.562862e-01 -1.4247772215 2.97962192 -4.781738e-01
## ENSG00000137474 6.168003e+00 1.8784481718 0.87118330 2.156203e+00
## ENSG00000137478 7.697340e+02 0.2565225255 0.22809049 1.124652e+00
## ENSG00000137486 2.708760e+02 -0.1981552939 0.42788514 -4.631039e-01
## ENSG00000137491 2.292218e+00 -0.2569617708 1.22608608 -2.095789e-01
## ENSG00000137492 8.652221e+02 0.0438141071 0.10593116 4.136092e-01
## ENSG00000137494 3.248697e+02 -0.0849225391 0.16449949 -5.162480e-01
## ENSG00000137496 8.419877e+01 -0.3424604592 0.27643285 -1.238856e+00
## ENSG00000137497 7.984390e+03 -0.2561984016 0.09897710 -2.588461e+00
## ENSG00000137500 9.842485e+02 -0.1666939647 0.09284111 -1.795476e+00
## ENSG00000137501 8.995422e+02 -0.6221771982 0.44883525 -1.386204e+00
## ENSG00000137502 7.795961e+02 -0.3460473312 0.15214204 -2.274502e+00
## ENSG00000137504 1.228618e+03 0.0466869627 0.12970138 3.599573e-01
## ENSG00000137507 3.302342e+03 -0.1196496231 0.25352658 -4.719411e-01
## ENSG00000137509 3.055827e+03 0.1235999523 0.21686717 5.699339e-01
## ENSG00000137513 1.894139e+02 -0.1424029964 0.15115621 -9.420916e-01
## ENSG00000137522 3.382401e+02 -0.1566562999 0.13887382 -1.128048e+00
## ENSG00000137547 3.630539e+02 0.4382640751 0.15403388 2.845245e+00
## ENSG00000137558 5.479233e-01 2.6663991625 3.45882763 7.708968e-01
## ENSG00000137561 5.621538e+00 1.2403188440 0.82145723 1.509901e+00
## ENSG00000137563 2.533217e+02 0.3885093206 0.23937514 1.623015e+00
## ENSG00000137571 8.177237e+00 0.9309485928 0.61635358 1.510413e+00
## ENSG00000137573 1.661390e+04 0.1873140986 0.61260993 3.057641e-01
## ENSG00000137574 3.540794e+02 -0.0219521078 0.14796445 -1.483607e-01
## ENSG00000137575 6.242239e+03 -0.2606226922 0.10886704 -2.393954e+00
## ENSG00000137601 7.438860e+02 -0.1459301057 0.10596283 -1.377182e+00
## ENSG00000137628 4.613332e+02 -0.0622709171 0.15585023 -3.995562e-01
## ENSG00000137634 4.902236e-01 0.3454117852 3.13967066 1.100153e-01
## ENSG00000137642 1.846017e+01 -0.5169225772 0.59379109 -8.705462e-01

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## ENSG00000137648 1.122177e+01    0.4041126479  0.58433750  6.915740e-01
## ENSG00000137656 1.796883e+02   -0.2650283602  0.15115337 -1.753374e+00
## ENSG00000137672 6.475030e+02    1.8003893112  0.26990673  6.670413e+00
## ENSG00000137673 5.086584e+00    5.1404324795  1.47213294  3.491826e+00
## ENSG00000137674 2.212567e-01    1.5394092681  3.52295593  4.369652e-01
## ENSG00000137675 2.044977e+00   -1.6047153824  1.22914250 -1.305557e+00
## ENSG00000137691 7.546336e+01   -0.0158684982  0.28820788 -5.505921e-02
## ENSG00000137692 3.152249e+02    0.2015076380  0.11364342  1.773157e+00
## ENSG00000137693 5.221145e+03    0.2596388917  0.15063200  1.723664e+00
## ENSG00000137699 4.289495e+00    0.6620243081  1.08209945  6.117962e-01
## ENSG00000137700 1.557039e+02   -0.1454528668  0.17568608 -8.279135e-01
## ENSG00000137707 1.196067e+00    2.0096720048  1.86856247  1.075518e+00
## ENSG00000137709 5.407492e+00    0.0175299854  0.67516000  2.596419e-02
## ENSG00000137710 2.047787e+03   -0.1347604605  0.13826033 -9.746863e-01
## ENSG00000137713 8.354317e+02   -0.3619348318  0.25263814 -1.432622e+00
## ENSG00000137714 2.363286e+02    0.0840133581  0.18709382  4.490440e-01
## ENSG00000137720 1.479575e+02   -0.1001040620  0.24760886 -4.042830e-01
## ENSG00000137726 3.918927e+00   -1.0492975782  1.45267120 -7.223228e-01
## ENSG00000137727 1.131277e+03   -0.4367887082  0.18051248 -2.419715e+00
## ENSG00000137731 5.703421e-01    0.2572886544  3.05569316  8.419977e-02
## ENSG00000137745 9.868858e-01   -0.7403327746  1.92581188 -3.844263e-01
## ENSG00000137747 6.121029e+00   -0.5653589560  0.64725157 -8.734764e-01
## ENSG00000137752 2.563886e+02   -0.4708379468  0.26137710 -1.801374e+00
## ENSG00000137757 1.388017e-01    0.8946997229  3.53381154  2.531826e-01
## ENSG00000137760 1.909366e+02    0.0869826458  0.18249882  4.766203e-01
## ENSG00000137764 5.498483e+02    0.1685635414  0.21911343  7.692981e-01
## ENSG00000137766 1.880423e+01   -0.0406938866  0.47635371 -8.542788e-02
## ENSG00000137767 2.380766e+03    1.0173078520  0.14830241  6.859685e+00
## ENSG00000137770 5.024598e+02   -0.1896104831  0.14357561 -1.320632e+00
## ENSG00000137776 1.316163e+03    0.0381028337  0.14580550  2.613264e-01
## ENSG00000137801 9.453091e+04    1.8669240864  0.27156144  6.874776e+00
## ENSG00000137802 7.134115e+02    0.2101203813  0.16851820  1.246871e+00
## ENSG00000137804 1.122503e+02   -0.1833352260  0.19979646 -9.176100e-01
## ENSG00000137806 2.151262e+02    0.3313888204  0.17462836  1.897680e+00
## ENSG00000137807 1.228005e+02    0.3775754760  0.23792988  1.586919e+00
## ENSG00000137809 1.228146e+03   -1.6761850027  0.72168566 -2.322597e+00
## ENSG00000137812 4.389802e+01   -0.1173166651  0.45771562 -2.563091e-01
## ENSG00000137814 4.507392e+02   -0.0771766886  0.13186262 -5.852810e-01
## ENSG00000137815 1.562939e+03   -0.1547978225  0.11510140 -1.344882e+00
## ENSG00000137817 7.595026e+02   -0.0000453213  0.10601487 -4.274994e-04
## ENSG00000137818 1.936465e+04    0.0748941776  0.16591993  4.513875e-01
## ENSG00000137819 2.353152e+02    0.0397418772  0.42993685  9.243655e-02
## ENSG00000137821 2.695419e+02   -0.6124259617  0.17644974 -3.470824e+00
## ENSG00000137822 4.985850e+02   -0.1106819482  0.15966957 -6.931937e-01
## ENSG00000137824 6.071117e+02    0.1875128497  0.11298795  1.659583e+00
## ENSG00000137825 1.244429e+01   -0.3332317717  0.59715373 -5.580335e-01
## ENSG00000137831 2.797152e+03   -0.4108231339  0.16546537 -2.482835e+00
## ENSG00000137834 3.474271e+02   -0.0414509565  0.19488262 -2.126970e-01
## ENSG00000137841 3.308281e+00   -1.7126344744  1.01265694 -1.691229e+00
## ENSG00000137842 1.788054e+02    0.2631675971  0.24444267  1.076603e+00
## ENSG00000137843 1.636273e+00   -0.4927185929  1.49919588 -3.286552e-01
## ENSG00000137845 3.649040e+03   -0.0173929722  0.09353709 -1.859473e-01
## ENSG00000137857 3.530897e+01    0.2324073893  0.55566474  4.182511e-01
## ENSG00000137860 1.377871e+01   -0.2653370458  0.77897791 -3.406220e-01

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## ENSG00000137868 6.096398e+00 -0.2323627523 0.93950508 -2.473246e-01
## ENSG00000137869 6.250282e+01 0.7428103754 0.32589983 2.279260e+00
## ENSG00000137871 7.061442e+02 -0.1001614939 0.12483328 -8.023621e-01
## ENSG00000137872 2.817985e+02 -1.0737155986 0.20112986 -5.338420e+00
## ENSG00000137875 6.419130e-01 -0.4201927240 2.96327621 -1.418001e-01
## ENSG00000137876 1.173401e+03 0.0957066357 0.09508137 1.006576e+00
## ENSG00000137877 1.752715e+01 0.8119636825 0.50212433 1.617057e+00
## ENSG00000137878 5.260727e-01 2.6131096939 3.46161979 7.548806e-01
## ENSG00000137880 8.075924e+01 1.7861154881 0.31293100 5.707697e+00
## ENSG00000137936 6.353261e+02 0.0450168483 0.09619498 4.679750e-01
## ENSG00000137941 4.874537e+02 -0.0739975317 0.13143820 -5.629835e-01
## ENSG00000137942 5.914110e+02 0.4294261460 0.32400839 1.325355e+00
## ENSG00000137944 5.821840e+02 0.0569135067 0.30118497 1.889653e-01
## ENSG00000137947 3.250775e+02 0.0750198903 0.11284590 6.647994e-01
## ENSG00000137948 9.625775e-01 -1.2651972522 2.26974348 -5.574186e-01
## ENSG00000137955 4.962540e+02 0.1807021212 0.11449858 1.578204e+00
## ENSG00000137959 1.009306e+02 1.4582867474 0.33170046 4.396396e+00
## ENSG00000137960 1.985473e+01 0.7568688125 0.64249589 1.178013e+00
## ENSG00000137962 4.572424e+03 1.2188976369 0.29042393 4.196960e+00
## ENSG00000137965 2.033866e+02 -1.0343717614 0.23565671 -4.389316e+00
## ENSG00000137968 5.393846e+00 -0.8415298580 0.85519248 -9.840239e-01
## ENSG00000137970 3.499813e+00 0.4241077725 1.52948476 2.772880e-01
## ENSG00000137975 5.844604e+02 -0.5720331272 0.45108986 -1.268113e+00
## ENSG00000137976 3.021006e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000137992 7.028554e+02 0.0861750383 0.14502603 5.942040e-01
## ENSG00000137996 5.394763e+02 0.1752269630 0.09993163 1.753469e+00
## ENSG00000138002 5.746551e+02 -0.1815956273 0.13703899 -1.325138e+00
## ENSG00000138018 3.042249e+02 -0.0560200805 0.15011175 -3.731892e-01
## ENSG00000138028 2.890682e+02 0.6988082237 0.47954976 1.457217e+00
## ENSG00000138029 2.498922e+03 0.2216281055 0.13843976 1.600899e+00
## ENSG00000138030 3.784283e+01 0.7880521450 0.44962209 1.752699e+00
## ENSG00000138031 1.689136e+03 0.4417866385 0.24282106 1.819392e+00
## ENSG00000138032 8.325240e+02 0.6301496043 0.17485598 3.603821e+00
## ENSG00000138035 3.928932e+02 0.1220371659 0.12374528 9.861966e-01
## ENSG00000138036 3.957285e+02 0.2945424494 0.19099496 1.542148e+00
## ENSG00000138039 1.599151e+01 1.2528398179 1.01640086 1.232624e+00
## ENSG00000138050 1.428910e+02 -0.2167182107 0.26881176 -8.062081e-01
## ENSG00000138061 1.779403e+03 0.0431331209 0.25617965 1.683706e-01
## ENSG00000138068 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000138069 3.418782e+03 0.2216226153 0.10188902 2.175137e+00
## ENSG00000138071 5.237654e+03 0.2404005193 0.09810916 2.450337e+00
## ENSG00000138073 1.741203e+03 1.1328153706 0.21641708 5.234408e+00
## ENSG00000138074 4.556405e+02 1.1638394339 0.15802320 7.364991e+00
## ENSG00000138075 1.310219e+00 3.0578542059 1.98535859 1.540202e+00
## ENSG00000138078 1.711695e+03 -0.7210809997 0.09014337 -7.999268e+00
## ENSG00000138079 7.025748e+00 -0.6486303146 0.63088366 -1.028130e+00
## ENSG00000138080 1.271291e+04 0.2515303053 0.19482205 1.291077e+00
## ENSG00000138081 1.338624e+03 -0.0235829205 0.10490328 -2.248063e-01
## ENSG00000138083 7.753021e-01 0.5231658839 2.78300893 1.879857e-01
## ENSG00000138085 1.768742e+03 0.0480814601 0.11466197 4.193322e-01
## ENSG00000138092 2.080988e+02 -0.4052119730 0.17273778 -2.345821e+00
## ENSG00000138095 2.077699e+03 -0.0920307693 0.11218078 -8.203791e-01
## ENSG00000138100 1.049862e+00 -1.5831891848 1.96258478 -8.066858e-01
## ENSG00000138101 1.005766e+02 -0.2932916552 0.19364832 -1.514558e+00

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## ENSG00000138107 3.156406e+03    0.1369092474 0.09559557  1.432172e+00
## ENSG00000138109 1.301238e+00   -0.6888180120 1.58539588 -4.344770e-01
## ENSG00000138111 8.232114e+01   -0.0637186113 0.21719362 -2.933724e-01
## ENSG00000138115 1.407049e+00   -0.0920010005 1.54197177 -5.966452e-02
## ENSG00000138119 1.624372e+04    0.3173107707 0.21854847  1.451901e+00
## ENSG00000138131 8.827377e+02   -0.0663350001 0.24689724 -2.686745e-01
## ENSG00000138134 2.503334e+02   -0.2210142286 0.47249540 -4.677595e-01
## ENSG00000138135 3.849518e+01   -1.5832035145 0.40855528 -3.875127e+00
## ENSG00000138136 0.000000e+00      NA        NA        NA
## ENSG00000138138 5.262845e+02    0.1562224298 0.11454171  1.363891e+00
## ENSG00000138152 3.156421e-01    0.6955464566 3.52545350  1.972928e-01
## ENSG00000138160 1.739827e+02   -0.4714655341 0.21668195 -2.175841e+00
## ENSG00000138161 2.222496e+01   -0.3127522301 0.48432723 -6.457457e-01
## ENSG00000138162 1.648307e+02   -0.0901634283 0.24838561 -3.629978e-01
## ENSG00000138166 4.065750e+02    1.3548994955 0.25385644  5.337267e+00
## ENSG00000138172 1.189450e+03    0.1204054813 0.18048265  6.671305e-01
## ENSG00000138175 5.355815e+02    0.0640411703 0.10649480  6.013549e-01
## ENSG00000138180 4.655974e+01    0.0334061960 0.33244080  1.004877e-01
## ENSG00000138182 1.736397e+02   -0.5858363200 0.20807583 -2.815494e+00
## ENSG00000138185 8.836976e+02   -0.4512872982 0.11179913 -4.036590e+00
## ENSG00000138190 3.508466e+02    0.1286894692 0.23381727  5.503848e-01
## ENSG00000138193 3.696595e+02    0.7132798899 0.30886827  2.309334e+00
## ENSG00000138207 8.100039e+00    0.5446216474 0.78842832  6.907688e-01
## ENSG00000138231 2.584285e+02    0.0342613552 0.17018067  2.013234e-01
## ENSG00000138246 4.136554e+03   -0.0100264868 0.13100154 -7.653717e-02
## ENSG00000138271 6.530501e-01    0.0060984697 2.37132091  2.571761e-03
## ENSG00000138279 2.251968e+03   -0.1218278747 0.14258066 -8.544488e-01
## ENSG00000138286 7.152673e+02   -0.1746115238 0.11826744 -1.476413e+00
## ENSG00000138303 4.621635e+02   -0.0268235530 0.13560238 -1.978103e-01
## ENSG00000138308 2.121478e-01   -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000138311 1.845451e+02   -0.6169408672 0.19683701 -3.134273e+00
## ENSG00000138315 5.631594e-01    1.6354183976 2.47179035  6.616331e-01
## ENSG00000138316 7.889969e+02   -2.4108134601 0.30516086 -7.900140e+00
## ENSG00000138326 1.095528e+04   -0.0563059269 0.10151270 -5.546688e-01
## ENSG00000138336 7.961359e+01   -0.2055852916 0.26721185 -7.693719e-01
## ENSG00000138346 6.380169e+01   -0.1831188190 0.35457000 -5.164532e-01
## ENSG00000138347 1.452304e+01   -0.9586359169 0.54772423 -1.750216e+00
## ENSG00000138356 4.417129e+03    1.4444521271 0.28100240  5.140355e+00
## ENSG00000138363 1.139758e+03   -0.1207409787 0.12783000  9.445434e-01
## ENSG00000138375 6.272663e+02   -0.2037597499 0.08924436 -2.283167e+00
## ENSG00000138376 1.000421e+02   -0.0800936233 0.30439700 -2.631223e-01
## ENSG00000138378 1.308510e+01   -0.6267627419 0.83397350 -7.515380e-01
## ENSG00000138379 1.355373e+02    1.5509122817 1.08147437  1.434072e+00
## ENSG00000138380 2.449587e+02   -0.8037035302 0.15120440 -5.315345e+00
## ENSG00000138381 1.043530e+03    0.1396885703 0.19727402  7.080941e-01
## ENSG00000138382 3.878116e+02    0.4376453621 0.15782359  2.773003e+00
## ENSG00000138385 2.450047e+03    0.8825743300 0.19490546  4.528218e+00
## ENSG00000138386 6.045993e+02   -0.4940605041 0.17008096 -2.904855e+00
## ENSG00000138395 1.094583e+02   -0.3189388673 0.35432746 -9.001246e-01
## ENSG00000138398 1.309358e+03   -0.0763800912 0.10917896 -6.995862e-01
## ENSG00000138399 1.709015e+02   -0.1212549395 0.28164789 -4.305196e-01
## ENSG00000138400 2.746972e+01   -0.7909511864 0.37374007 -2.116314e+00
## ENSG00000138411 4.688874e+01   -0.4739574027 0.55784817 -8.496172e-01
## ENSG00000138413 1.556741e+03   -0.0404267980 0.16421387 -2.461838e-01

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## ENSG00000138430 9.612468e+02 -0.1831258222 0.08933886 -2.049789e+00
## ENSG00000138433 7.814045e+02 -0.1959573467 0.13926227 -1.407110e+00
## ENSG00000138434 3.408350e+03 -0.1730561502 0.15615593 -1.108227e+00
## ENSG00000138435 2.435434e+00 -1.0426705413 1.57946808 -6.601403e-01
## ENSG00000138439 1.542800e+02 -0.1973795396 0.22220675 -8.882698e-01
## ENSG00000138442 4.148413e+02 0.0392758826 0.16808451 2.336675e-01
## ENSG00000138443 1.249524e+03 -0.2547008917 0.15236778 -1.671619e+00
## ENSG00000138448 5.744931e+03 0.0499627446 0.18435059 2.710203e-01
## ENSG00000138449 6.982961e+03 0.3117143638 0.30317994 1.028150e+00
## ENSG00000138459 9.058507e+02 0.3187359537 0.10665719 2.988415e+00
## ENSG00000138463 3.553552e+02 0.2492936857 0.16395682 1.520484e+00
## ENSG00000138468 3.300699e+02 -0.7942001673 0.14946972 -5.313452e+00
## ENSG00000138472 0.000000e+00 NA NA NA
## ENSG00000138483 5.824598e+00 3.9411803123 1.07092792 3.680155e+00
## ENSG00000138495 1.419369e+02 0.1064285729 0.17666155 6.024433e-01
## ENSG00000138496 8.833801e+02 -0.4726145983 0.22063113 -2.142103e+00
## ENSG00000138587 6.752874e+01 -0.6639995252 0.22828236 -2.908676e+00
## ENSG00000138592 1.558824e+03 0.1016458806 0.09423331 1.078662e+00
## ENSG00000138593 2.040449e+03 -0.1325421255 0.13715422 -9.663729e-01
## ENSG00000138594 1.671785e+03 -0.1578073315 0.11845001 -1.332269e+00
## ENSG00000138600 1.717753e+03 0.1306059200 0.19750975 6.612632e-01
## ENSG00000138604 1.495351e+03 0.9142271056 0.16066677 5.690206e+00
## ENSG00000138606 1.187774e+02 -0.3364552306 0.37547488 -8.960792e-01
## ENSG00000138613 7.027483e+02 0.1229503576 0.19076056 6.445271e-01
## ENSG00000138614 5.220542e+02 0.0349731731 0.12794416 2.733472e-01
## ENSG00000138615 8.557554e+02 1.3874110619 0.33163518 4.183546e+00
## ENSG00000138617 1.976299e+02 -0.2318383012 0.16192616 -1.431753e+00
## ENSG00000138621 8.012969e+01 0.0113722512 0.27699669 4.105555e-02
## ENSG00000138622 2.448756e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000138623 2.960256e+02 0.4185231745 0.35392036 1.182535e+00
## ENSG00000138629 7.470092e+02 0.1812422018 0.09697288 1.868999e+00
## ENSG00000138639 5.092384e+02 -0.0854313593 0.23939634 -3.568616e-01
## ENSG00000138640 1.001480e+03 0.0012030252 0.13769243 8.737047e-03
## ENSG00000138641 1.157036e+03 0.3334084299 0.18559877 1.796394e+00
## ENSG00000138642 1.956998e+02 -0.7416964173 0.28388899 -2.612628e+00
## ENSG00000138646 8.168768e+01 -0.7696948369 0.46528695 -1.654237e+00
## ENSG00000138650 1.660511e+02 -0.4343434596 0.63224882 -6.869818e-01
## ENSG00000138653 3.349857e-01 -0.6310698606 3.52264070 -1.791468e-01
## ENSG00000138658 6.649836e+01 -0.7240761192 0.28851018 -2.509707e+00
## ENSG00000138660 2.553774e+02 0.2127435146 0.18220740 1.167590e+00
## ENSG00000138663 6.485496e+02 -0.1211911402 0.12315815 -9.840286e-01
## ENSG00000138668 1.680626e+03 -0.0192392882 0.10226494 -1.881318e-01
## ENSG00000138669 2.906384e+02 -1.2971445337 0.28831618 -4.499035e+00
## ENSG00000138670 1.147405e+01 0.2295290465 0.69105546 3.321427e-01
## ENSG00000138674 9.047671e+03 -0.1908099848 0.08825399 -2.162055e+00
## ENSG00000138675 1.590883e+03 -0.1372478338 0.26717774 -5.136949e-01
## ENSG00000138678 1.184379e+02 0.9669370108 0.26718381 3.618996e+00
## ENSG00000138684 3.518944e-01 -0.5099340604 3.52871903 -1.445097e-01
## ENSG00000138685 1.609893e+03 -0.2152855451 0.14148517 -1.521612e+00
## ENSG00000138686 6.446118e+02 0.4400933321 0.17378287 2.532432e+00
## ENSG00000138688 4.173459e+03 -0.0106835429 0.11522424 -9.271958e-02
## ENSG00000138696 4.582601e+01 0.3201225185 0.25463249 1.257194e+00
## ENSG00000138698 1.120911e+03 0.0503785682 0.13962471 3.608141e-01
## ENSG00000138709 2.415203e+02 0.4392409305 0.15354736 2.860622e+00

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## ENSG00000138722 6.826740e-01 -0.3598031451 2.10875615 -1.706234e-01
## ENSG00000138735 7.517131e+03 -1.1309472269 0.21857980 -5.174070e+00
## ENSG00000138738 3.112675e+02 0.0279169988 0.24286540 1.149484e-01
## ENSG00000138741 1.546283e+01 0.0466743907 0.64795386 7.203351e-02
## ENSG00000138744 2.180416e+02 0.7542214175 0.42944679 1.756263e+00
## ENSG00000138750 6.302244e+02 0.0401004770 0.10046248 3.991587e-01
## ENSG00000138755 4.002270e-01 1.0333888392 3.51383736 2.940913e-01
## ENSG00000138756 1.817302e+03 -0.4837589768 0.23838937 -2.029281e+00
## ENSG00000138757 2.932179e+03 0.0027505793 0.13838332 1.987652e-02
## ENSG00000138758 2.358583e+04 0.0824075434 0.23115743 3.564997e-01
## ENSG00000138759 2.290592e+01 0.8830067697 0.72061736 1.225348e+00
## ENSG00000138760 9.548510e+03 -0.0734896602 0.10489965 -7.005710e-01
## ENSG00000138764 1.394933e+03 -0.0575170881 0.18143575 -3.170108e-01
## ENSG00000138767 4.749354e+02 -0.1289248718 0.16435403 -7.844339e-01
## ENSG00000138768 2.653517e+03 0.2285529596 0.11063283 2.065869e+00
## ENSG00000138769 8.715727e+00 -0.5913821563 0.70029094 -8.444807e-01
## ENSG00000138771 1.157875e+03 0.5342309232 0.27717490 1.927415e+00
## ENSG00000138772 6.952504e+01 -0.0425530609 0.50612195 -8.407669e-02
## ENSG00000138777 4.588582e+02 -0.0105042612 0.11877875 -8.843552e-02
## ENSG00000138778 1.815094e+02 -0.0496912902 0.30243174 -1.643058e-01
## ENSG00000138780 1.696292e+02 -0.2278967849 0.17675457 -1.289340e+00
## ENSG00000138785 2.906666e+02 0.0538713279 0.15437529 3.489634e-01
## ENSG00000138792 2.964261e+01 0.7553248262 0.85581916 8.825753e-01
## ENSG00000138794 1.598231e+02 -0.3538199650 0.17984511 -1.967359e+00
## ENSG00000138795 1.537976e+02 0.5799957290 0.90440405 6.413016e-01
## ENSG00000138796 5.459960e+02 0.0483900233 0.17399188 2.781166e-01
## ENSG00000138798 3.573516e+00 -1.4497822852 1.47023646 -9.860878e-01
## ENSG00000138801 1.152349e+03 -0.0608938566 0.15672488 -3.885398e-01
## ENSG00000138802 1.247339e+03 0.4914335293 0.12488717 3.935020e+00
## ENSG00000138813 4.153159e+00 -1.3078935683 0.87179575 -1.500229e+00
## ENSG00000138814 1.301399e+03 -0.0256917041 0.11723502 -2.191470e-01
## ENSG00000138821 3.436855e+02 0.0006235766 0.25591777 2.436629e-03
## ENSG00000138823 4.966523e+00 2.5920712581 0.86536423 2.995353e+00
## ENSG00000138829 1.621928e+04 2.0849973586 0.69337070 3.007046e+00
## ENSG00000138834 1.379446e+03 -0.1677542704 0.14653125 -1.144836e+00
## ENSG00000138835 9.064358e+02 -0.0964785326 0.10271246 -9.393070e-01
## ENSG00000138867 1.768771e+03 0.0598351820 0.15817463 3.782856e-01
## ENSG00000138892 0.000000e+00 NA NA NA
## ENSG00000138942 1.332430e+03 0.2472535459 0.11445995 2.160175e+00
## ENSG00000138944 2.457435e+02 -1.2687705012 0.56096424 -2.261767e+00
## ENSG00000138964 2.123621e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000139044 6.266595e-01 -2.6812444942 3.44094897 -7.792166e-01
## ENSG00000139053 0.000000e+00 NA NA NA
## ENSG00000139055 1.799543e+01 2.2934109583 0.80646532 2.843781e+00
## ENSG00000139083 5.495125e+02 0.2244120541 0.16837762 1.332790e+00
## ENSG00000139112 6.452269e+03 0.4117650001 0.20516667 2.006978e+00
## ENSG00000139116 7.800405e+01 -0.2446771114 0.30130950 -8.120458e-01
## ENSG00000139117 1.929991e+02 -0.1864187888 0.24254422 -7.685971e-01
## ENSG00000139131 2.105731e+02 0.0793735415 0.18989414 4.179884e-01
## ENSG00000139132 1.181856e+03 2.0568831552 0.23652311 8.696331e+00
## ENSG00000139133 5.524681e+01 0.0944077092 0.32019882 2.948409e-01
## ENSG00000139144 9.567275e-01 0.1381694991 1.68229107 8.213174e-02
## ENSG00000139146 6.310885e+01 0.5019868362 0.27302355 1.838621e+00
## ENSG00000139151 0.000000e+00 NA NA NA

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## ENSG00000139154 7.159635e+02 -0.2608324587 0.15297417 -1.705075e+00
## ENSG00000139155 7.846669e-01 -0.1755313469 2.81241534 -6.241302e-02
## ENSG00000139160 1.088005e+02 -0.4427190703 0.23690360 -1.868773e+00
## ENSG00000139163 6.353120e+02 -0.0920363129 0.14610778 -6.299207e-01
## ENSG00000139168 7.186767e+02 -0.1737142105 0.10645931 -1.631743e+00
## ENSG00000139173 1.745952e+02 -0.6359075642 0.17421347 -3.650163e+00
## ENSG00000139174 6.683250e+02 0.0506712753 0.15231080 3.326834e-01
## ENSG00000139178 1.932568e+03 0.2423059566 0.15897502 1.524176e+00
## ENSG00000139180 5.606709e+02 0.0004958526 0.15807276 3.136863e-03
## ENSG00000139182 5.576019e+02 -0.1968991402 0.19032724 -1.034529e+00
## ENSG00000139187 1.329112e+01 -0.6867347745 0.49796010 -1.379096e+00
## ENSG00000139190 5.229509e+02 0.2543073540 0.20335225 1.250576e+00
## ENSG00000139192 2.476203e+02 -0.2861450946 0.16228071 -1.763272e+00
## ENSG00000139193 8.326455e+01 0.2154111046 0.26182825 8.227191e-01
## ENSG00000139194 8.047810e+01 -0.0368684032 0.27075234 -1.361702e-01
## ENSG00000139197 7.813462e+02 -0.0564403401 0.15529763 -3.634334e-01
## ENSG00000139200 4.753272e+02 0.4087468141 0.22445060 1.821099e+00
## ENSG00000139209 2.167313e+02 0.2165732595 0.43568984 4.970813e-01
## ENSG00000139211 2.266439e+02 0.3699079974 0.26114416 1.416490e+00
## ENSG00000139218 2.275676e+03 0.1049730503 0.12482181 8.409833e-01
## ENSG00000139219 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000139220 4.260194e+01 0.9208237648 0.49766325 1.850295e+00
## ENSG00000139223 0.000000e+00 NA NA NA
## ENSG00000139233 6.828713e+02 0.2790538391 0.15905119 1.754491e+00
## ENSG00000139239 3.003730e+00 -1.1751597535 1.50884466 -7.788474e-01
## ENSG00000139263 1.998481e+03 -0.3316224744 0.14666299 -2.261119e+00
## ENSG00000139266 1.808701e+02 0.1530897680 0.19745811 7.753025e-01
## ENSG00000139269 1.769486e+01 -2.1298844654 0.47620053 -4.472663e+00
## ENSG00000139278 2.688159e+03 -0.1024517299 0.22929207 -4.468176e-01
## ENSG00000139287 3.420894e+01 0.1444832324 0.38045260 3.797667e-01
## ENSG00000139289 2.896744e+03 -1.0709267404 0.11215088 -9.548982e+00
## ENSG00000139291 7.322047e+02 0.7285188419 0.13274495 5.488110e+00
## ENSG00000139292 6.396192e+00 2.3580027496 1.25171257 1.883821e+00
## ENSG00000139304 1.793391e+02 -0.1869295141 0.57373504 -3.258116e-01
## ENSG00000139318 1.753100e+02 0.0513312316 0.46175111 1.111665e-01
## ENSG00000139323 2.708895e+02 0.0524806389 0.15149419 3.464201e-01
## ENSG00000139324 1.069417e+03 0.0381963395 0.17451408 2.188725e-01
## ENSG00000139329 1.367986e+04 -0.8299575786 0.28125951 -2.950861e+00
## ENSG00000139330 4.714090e-01 -2.2741902268 2.45295475 -9.271228e-01
## ENSG00000139343 2.377347e+02 -0.1315870342 0.18258384 -7.206938e-01
## ENSG00000139344 3.309684e+01 -0.5185187127 0.32940897 -1.574088e+00
## ENSG00000139350 4.681900e+02 -0.0387316525 0.12393246 -3.125223e-01
## ENSG00000139351 8.045323e+00 -0.0888973947 0.67409492 -1.318767e-01
## ENSG00000139352 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000139354 1.304635e+02 -1.0133477133 0.28180946 -3.595861e+00
## ENSG00000139364 7.925527e+01 -0.0032336543 0.52723982 -6.133175e-03
## ENSG00000139370 5.488010e+02 0.2073044196 0.14720446 1.408275e+00
## ENSG00000139372 3.283813e+02 -0.1082139640 0.12072217 -8.963885e-01
## ENSG00000139405 1.957282e+02 -0.0004590043 0.16192146 -2.834735e-03
## ENSG00000139410 6.470996e+01 -0.9019250316 0.27960808 -3.225676e+00
## ENSG00000139428 1.207654e+02 -0.4133325295 0.20940079 -1.973882e+00
## ENSG00000139433 1.049239e+03 0.2404747992 0.16424054 1.464162e+00
## ENSG00000139436 2.638635e+03 0.5443163720 0.13130693 4.145374e+00
## ENSG00000139437 4.120008e+02 0.3026850738 0.11929449 2.537293e+00

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## ENSG00000139438 5.262596e+00 -0.5619450055 0.86481221 -6.497885e-01
## ENSG00000139445 0.000000e+00 NA NA NA
## ENSG00000139496 6.802021e+02 0.1806638611 0.19616156 9.209952e-01
## ENSG00000139505 8.111013e+02 0.0258227987 0.10171625 2.538709e-01
## ENSG00000139508 2.240717e+02 -0.1145853359 0.17625342 -6.501169e-01
## ENSG00000139514 5.740992e+02 -0.1163394497 0.14390825 -8.084279e-01
## ENSG00000139515 0.000000e+00 NA NA NA
## ENSG00000139517 1.355745e+02 -0.0463719954 0.18828520 -2.462859e-01
## ENSG00000139531 3.425063e+02 -0.2632945392 0.19041528 -1.382739e+00
## ENSG00000139537 2.397095e+01 0.2246169254 0.37911835 5.924718e-01
## ENSG00000139540 1.788293e+00 2.6848107140 1.51139289 1.776382e+00
## ENSG00000139546 3.381955e+02 0.2498713612 0.17345763 1.440533e+00
## ENSG00000139547 1.646409e+01 -0.1610925987 0.42698793 -3.772767e-01
## ENSG00000139549 0.000000e+00 NA NA NA
## ENSG00000139567 8.703576e+02 0.7519353485 0.16187967 4.645026e+00
## ENSG00000139572 0.000000e+00 NA NA NA
## ENSG00000139574 3.725864e-01 1.9122524910 3.50425252 5.456948e-01
## ENSG00000139579 3.700658e+02 0.0699283439 0.13425605 5.208580e-01
## ENSG00000139597 2.012658e+02 0.2083851197 0.28615942 7.282134e-01
## ENSG00000139610 1.368279e+00 -2.1241282567 1.82238694 -1.165575e+00
## ENSG00000139613 2.465577e+03 -0.1343546874 0.10997360 -1.221700e+00
## ENSG00000139618 8.056138e+01 -0.6287136425 0.34698967 -1.811909e+00
## ENSG00000139620 3.397753e+02 -0.0397816769 0.14553072 -2.733559e-01
## ENSG00000139624 7.147764e+02 0.4532441530 0.11650161 3.890454e+00
## ENSG00000139625 1.663151e+03 -0.2567714191 0.11123871 -2.308292e+00
## ENSG00000139626 6.707451e+00 -0.0014738721 0.68786655 -2.142672e-03
## ENSG00000139629 1.705946e+02 -0.4781259789 0.51884113 -9.215267e-01
## ENSG00000139631 3.676160e+02 -0.1847141097 0.15800440 -1.169044e+00
## ENSG00000139636 6.371351e+02 0.1232520717 0.13688548 9.004028e-01
## ENSG00000139637 5.164239e+02 0.0327510263 0.10125867 3.234392e-01
## ENSG00000139641 3.282010e+03 0.0309404452 0.10232721 3.023677e-01
## ENSG00000139644 1.124912e+04 0.2441551202 0.10904397 2.239052e+00
## ENSG00000139645 1.600447e+03 0.1749039438 0.11628665 1.504076e+00
## ENSG00000139648 0.000000e+00 NA NA NA
## ENSG00000139651 8.268626e+02 -0.0426808316 0.12585763 -3.391199e-01
## ENSG00000139656 2.094752e+00 1.1802306395 1.68949360 6.985706e-01
## ENSG00000139668 2.549671e+02 -0.3840750493 0.17172384 -2.236586e+00
## ENSG00000139675 9.299759e+01 -0.3383554973 0.26519963 -1.275852e+00
## ENSG00000139679 1.983092e+02 0.3174138438 0.15199430 2.088327e+00
## ENSG00000139684 1.972131e+03 0.0940536593 0.06650564 1.414221e+00
## ENSG00000139687 1.199032e+03 0.2291493541 0.09121317 2.512240e+00
## ENSG00000139697 1.272215e+03 -0.0407631310 0.09375048 -4.348045e-01
## ENSG00000139714 6.374201e+01 -0.0422663831 0.36746959 -1.150201e-01
## ENSG00000139718 9.838849e+02 0.2326136300 0.09565833 2.431713e+00
## ENSG00000139719 5.045040e+02 -0.1086826191 0.11348085 -9.577177e-01
## ENSG00000139722 5.193402e+02 -0.1181812582 0.12438270 -9.501423e-01
## ENSG00000139725 1.576583e+02 0.1363315371 0.16191413 8.419990e-01
## ENSG00000139726 1.136039e+03 -0.0494949861 0.12561342 -3.940262e-01
## ENSG00000139734 1.824586e+02 0.5388217966 0.28885926 1.865344e+00
## ENSG00000139737 1.627801e+00 -1.3230673993 1.79609665 -7.366349e-01
## ENSG00000139746 8.765888e+02 -0.1748981348 0.12632867 -1.384469e+00
## ENSG00000139767 2.779764e+00 -0.5697144022 1.13411142 -5.023443e-01
## ENSG00000139780 3.071383e+00 0.8461328785 1.34146620 6.307523e-01
## ENSG00000139793 1.684226e+03 0.3754115956 0.11783036 3.186035e+00

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## ENSG00000139797 0.000000e+00 NA NA NA
## ENSG00000139800 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000139826 3.624210e+02 0.3686212955 0.14824913 2.486499e+00
## ENSG00000139832 9.390776e+01 0.4997556708 0.28839387 1.732893e+00
## ENSG00000139835 6.670710e+01 0.2858318592 0.35365293 8.082270e-01
## ENSG00000139842 2.155734e+03 0.1644253828 0.10158034 1.618673e+00
## ENSG00000139865 4.731955e+00 -0.9901316228 0.92796959 -1.066987e+00
## ENSG00000139874 2.453268e+02 -0.1153293594 0.31406494 -3.672150e-01
## ENSG00000139880 1.585071e+02 -0.6916803086 0.21251119 -3.254795e+00
## ENSG00000139890 5.938552e+00 -0.1114222935 0.89620049 -1.243274e-01
## ENSG00000139899 2.827363e+02 -0.2356864691 0.32386021 -7.277413e-01
## ENSG00000139908 3.313624e+01 -0.4566201745 0.34121660 -1.338212e+00
## ENSG00000139910 3.151775e+02 -0.5066531240 0.25103109 -2.018288e+00
## ENSG00000139914 1.071967e+00 -0.9762316894 2.26503870 -4.310000e-01
## ENSG00000139915 3.311045e+00 0.8124567789 1.05480983 7.702401e-01
## ENSG00000139921 1.183484e+03 0.2944696383 0.20301659 1.450471e+00
## ENSG00000139926 6.054026e+03 -0.1334684970 0.12101164 -1.102939e+00
## ENSG00000139946 3.931184e+02 -0.7167187508 0.20236774 -3.541665e+00
## ENSG00000139970 6.188953e+01 0.0425698723 0.89641118 4.748922e-02
## ENSG00000139971 1.518127e+02 -0.1420117208 0.19856147 -7.152028e-01
## ENSG00000139973 2.026480e+01 -0.0151443970 0.56607224 -2.675347e-02
## ENSG00000139974 4.522822e+02 -0.2000415930 0.12512168 -1.598776e+00
## ENSG00000139977 5.831331e+02 0.0926299363 0.10480030 8.838709e-01
## ENSG00000139985 1.392128e+01 -0.3292395163 0.49211330 -6.690319e-01
## ENSG00000139988 4.154805e+00 -0.2342369371 1.59926410 -1.464655e-01
## ENSG00000139990 1.239797e+03 -0.2239125032 0.10929375 -2.048722e+00
## ENSG00000139998 2.609474e+02 -0.0591837202 0.23459555 -2.522798e-01
## ENSG00000140006 9.042434e+01 -0.0467535849 0.19344342 -2.416913e-01
## ENSG00000140009 8.382750e+00 0.1105863415 0.56296851 1.964343e-01
## ENSG00000140015 1.478740e+01 -1.2057751168 0.76186006 -1.582673e+00
## ENSG00000140022 2.748779e+02 -1.1095214796 0.59477505 -1.865447e+00
## ENSG00000140025 1.078312e+02 -0.6460665552 0.21896988 -2.950481e+00
## ENSG00000140030 3.770734e+00 1.3989771884 1.10059605 1.271109e+00
## ENSG00000140043 1.965430e+02 -0.1371875596 0.21116135 -6.496812e-01
## ENSG00000140044 1.344828e+03 -0.3341998347 0.15226132 -2.194910e+00
## ENSG00000140057 1.312158e+01 0.1540367304 0.59140975 2.604569e-01
## ENSG00000140067 0.0000000e+00 NA NA NA
## ENSG00000140090 1.140387e+01 -0.4850544222 0.50632974 -9.579813e-01
## ENSG00000140092 9.481904e+03 0.3373173923 0.08722280 3.867308e+00
## ENSG00000140093 6.383857e+00 -0.3036326687 0.88073204 -3.447503e-01
## ENSG00000140104 1.875326e+02 -0.1941809338 0.19451448 -9.982852e-01
## ENSG00000140105 2.847988e+03 -1.3853306951 0.22758373 -6.087125e+00
## ENSG00000140107 0.0000000e+00 NA NA NA
## ENSG00000140153 3.362874e+02 0.0228313669 0.15589105 1.464572e-01
## ENSG00000140157 8.593283e+02 0.1951768325 0.10094908 1.933419e+00
## ENSG00000140199 1.164154e+03 -0.1059486283 0.16476547 -6.430269e-01
## ENSG00000140254 1.574578e+00 1.7973603564 1.43763732 1.250218e+00
## ENSG00000140259 8.215076e+02 -0.1589301965 0.14077243 -1.128987e+00
## ENSG00000140262 2.941356e+03 -0.1679606995 0.13262920 -1.266393e+00
## ENSG00000140263 2.565880e+02 -0.2122533369 0.18500347 -1.147294e+00
## ENSG00000140264 6.617219e+03 0.0547149523 0.13026432 4.200302e-01
## ENSG00000140265 5.345509e+02 -0.2417740081 0.13631908 -1.773589e+00
## ENSG00000140274 5.390680e-01 2.6344711198 2.92033575 9.021124e-01
## ENSG00000140279 1.440327e+00 0.1764689669 1.55492401 1.134904e-01

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## ENSG00000140280 6.308409e+01    0.1533398849 0.29526125  5.193363e-01
## ENSG00000140284 2.138109e+00    0.4523604947 1.58643808  2.851422e-01
## ENSG00000140285 9.264191e+03    -0.2817434235 0.10605758 -2.656514e+00
## ENSG00000140287 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000140297 1.230472e+01    -0.9625975588 0.62318952 -1.544631e+00
## ENSG00000140299 1.807551e+03    0.1781938109 0.12949070  1.376113e+00
## ENSG00000140307 5.174418e+02    0.0050977085 0.20027008  2.545417e-02
## ENSG00000140319 3.879245e+03    -0.0536409809 0.15236865 -3.520474e-01
## ENSG00000140320 6.178508e+02    0.1299268491 0.15717924  8.266158e-01
## ENSG00000140323 8.847832e+01    -1.1685291730 0.42018857 -2.780964e+00
## ENSG00000140326 3.345741e+02    -0.2767352823 0.12593635 -2.197422e+00
## ENSG00000140332 4.598070e+02    -0.4868284630 0.15926673 -3.056687e+00
## ENSG00000140350 7.237686e+02    -0.4266923264 0.16398235 -2.602062e+00
## ENSG00000140365 7.381455e+02    0.1198475181 0.12890699  9.297208e-01
## ENSG00000140367 1.180473e+03    0.1949007907 0.09540950  2.042782e+00
## ENSG00000140368 1.476752e+01    0.0337815422 0.55620117  6.073619e-02
## ENSG00000140374 1.289251e+03    0.3121919652 0.10372236  3.009881e+00
## ENSG00000140379 1.828713e+01    -0.6989177167 0.58569459 -1.193314e+00
## ENSG00000140382 8.130749e+02    0.2431757612 0.15330114  1.586262e+00
## ENSG00000140386 3.118787e+02    0.1669216587 0.22663904  7.365088e-01
## ENSG00000140391 4.719706e+03    0.0748835684 0.15444559  4.848540e-01
## ENSG00000140395 5.377956e+02    0.0156137381 0.10664352  1.464106e-01
## ENSG00000140396 1.457933e+03    -0.2294320302 0.13864820 -1.654778e+00
## ENSG00000140398 2.105186e+02    0.5841126230 0.32635114  1.789829e+00
## ENSG00000140400 1.740998e+03    0.0347106559 0.21144534  1.641590e-01
## ENSG00000140403 9.404535e+01    0.4350503455 0.50035354  8.694859e-01
## ENSG00000140406 2.425648e+02    0.4996581972 0.20689302  2.415056e+00
## ENSG00000140416 4.759567e+03    0.5009480323 0.21714224  2.307004e+00
## ENSG00000140443 4.610955e+03    0.5272001944 0.14072565  3.746298e+00
## ENSG00000140450 1.277981e+03    -0.7179934557 0.13040882 -5.505712e+00
## ENSG00000140451 1.386795e+02    0.1835620008 0.28225646  6.503376e-01
## ENSG00000140455 4.337694e+02    -0.4749875175 0.12638338 -3.758307e+00
## ENSG00000140459 3.590308e+01    0.4463265443 0.41588390  1.073200e+00
## ENSG00000140463 6.990175e+02    0.0897815029 0.15666834  5.730673e-01
## ENSG00000140464 1.472558e+03    0.2598823578 0.11149877  2.330809e+00
## ENSG00000140465 2.792874e+00    3.4954083803 2.33844963  1.494755e+00
## ENSG00000140470 8.141646e+00    1.5811606394 0.87672993  1.803475e+00
## ENSG00000140471 1.250258e+02    -0.1231063236 0.22718625 -5.418740e-01
## ENSG00000140474 3.352513e+02    0.2247337313 0.17851266  1.258923e+00
## ENSG00000140478 7.577532e-01    -2.9548060490 3.43107919 -8.611885e-01
## ENSG00000140479 9.227895e+01    -0.3523920212 0.65506365 -5.379508e-01
## ENSG00000140481 0.000000e+00    NA          NA          NA
## ENSG00000140488 4.354631e+01    0.5671133594 0.39328254  1.442000e+00
## ENSG00000140497 1.326456e+03    0.3170826438 0.10395160  3.050291e+00
## ENSG00000140505 1.002201e+01    -0.2257371199 0.64998274 -3.472971e-01
## ENSG00000140506 5.525703e-01    1.5463285167 3.48234948  4.440475e-01
## ENSG00000140511 1.474514e+02    1.2119602252 0.43415114  2.791563e+00
## ENSG00000140519 8.982460e-01    1.5541743409 1.95262995  7.959390e-01
## ENSG00000140521 9.416240e+02    0.3076900627 0.13704905  2.245109e+00
## ENSG00000140522 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000140525 2.559489e+02    -0.0026600248 0.19117564 -1.391404e-02
## ENSG00000140526 1.869339e+03    0.3473892107 0.24735557  1.404412e+00
## ENSG00000140527 6.102320e+00    -0.3201033043 1.01440970 -3.155562e-01
## ENSG00000140534 4.795886e+01    0.0403691395 0.38215890  1.056344e-01

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## ENSG00000140538 1.977587e+01 -0.2698832018 0.71941753 -3.751413e-01
## ENSG00000140543 1.467522e+02 -0.5261167092 0.32557499 -1.615962e+00
## ENSG00000140545 9.643892e+03 1.1872074338 0.15503337 7.657754e+00
## ENSG00000140548 3.539434e+02 -0.0880212051 0.22541772 -3.904804e-01
## ENSG00000140553 1.827711e+03 0.1420703771 0.11179550 1.270806e+00
## ENSG00000140557 0.000000e+00 NA NA NA
## ENSG00000140563 1.675428e+02 -0.0937856684 0.37488839 -2.501696e-01
## ENSG00000140564 2.519988e+03 0.5123164519 0.12348980 4.148654e+00
## ENSG00000140575 7.214268e+03 0.1277506548 0.13068005 9.775834e-01
## ENSG00000140577 1.355462e+03 0.0205424924 0.14541924 1.412639e-01
## ENSG00000140598 4.372641e+02 -0.4783613935 0.16385422 -2.919433e+00
## ENSG00000140600 1.148814e+01 -2.3359232911 0.82168314 -2.842852e+00
## ENSG00000140612 2.307966e+03 0.0490737397 0.08537610 5.747948e-01
## ENSG00000140623 7.399283e-01 3.0759876384 2.69630923 1.140814e+00
## ENSG00000140632 1.803525e+03 -0.0218190200 0.14880078 -1.466324e-01
## ENSG00000140650 5.448977e+02 0.3693490050 0.14872683 2.483405e+00
## ENSG00000140675 8.418606e+00 0.8845943206 0.67892169 1.302940e+00
## ENSG00000140678 4.615948e+00 -0.0091642249 0.77132782 -1.188110e-02
## ENSG00000140682 1.858070e+03 0.6424276385 0.14836042 4.330182e+00
## ENSG00000140688 1.593429e+03 0.0782543788 0.08669721 9.026171e-01
## ENSG00000140691 2.245731e+02 -0.0535377516 0.19683411 -2.719943e-01
## ENSG00000140694 4.497442e+02 0.0760821324 0.10036837 7.580290e-01
## ENSG00000140718 1.204948e+03 -0.0784672446 0.12027280 -6.524105e-01
## ENSG00000140740 1.814980e+03 -0.0604595300 0.10047491 -6.017376e-01
## ENSG00000140743 8.121046e+02 0.4669219662 0.20935612 2.230276e+00
## ENSG00000140749 1.105919e+01 -1.1279449343 0.63981782 -1.762916e+00
## ENSG00000140750 1.242221e+03 -0.0046101876 0.10781153 -4.276155e-02
## ENSG00000140795 5.302960e+01 0.0212157836 0.25951571 8.175144e-02
## ENSG00000140798 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000140807 1.812290e+02 2.3936438692 0.41664611 5.745029e+00
## ENSG00000140829 1.267620e+03 0.1886419938 0.09808266 1.923296e+00
## ENSG00000140830 1.666130e+02 -0.0299514192 0.20295786 -1.475746e-01
## ENSG00000140832 9.158655e+00 -0.5269567799 0.56517617 -9.323761e-01
## ENSG00000140835 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000140836 1.351614e+03 0.0343489740 0.08918447 3.851452e-01
## ENSG00000140839 1.248273e+00 2.1026176193 2.27948442 9.224093e-01
## ENSG00000140848 4.203479e+02 0.1640944838 0.17816419 9.210296e-01
## ENSG00000140853 4.231837e+02 0.2721705093 0.20779747 1.309787e+00
## ENSG00000140854 3.424401e+02 0.0133322457 0.14140805 9.428209e-02
## ENSG00000140859 6.945710e+02 0.1750169089 0.26815114 6.526801e-01
## ENSG00000140873 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000140876 7.349984e+01 -0.1640201502 0.30447587 -5.386967e-01
## ENSG00000140905 1.989079e+02 -0.2922832140 0.15513596 -1.884046e+00
## ENSG00000140931 6.821816e+02 0.1475525273 0.21829105 6.759440e-01
## ENSG00000140932 7.625539e-01 -0.7478507478 2.35093670 -3.181076e-01
## ENSG00000140937 9.700486e+03 -0.1892404005 0.20278410 -9.332112e-01
## ENSG00000140939 2.647884e+02 -0.1379585467 0.16893003 -8.166609e-01
## ENSG00000140941 3.475305e+03 0.0575397878 0.09622790 5.979533e-01
## ENSG00000140943 3.883868e+03 -0.1104498971 0.10856890 -1.017325e+00
## ENSG00000140945 7.118106e+02 0.4212359331 0.32626775 1.291074e+00
## ENSG00000140948 1.391141e+03 -0.2185696767 0.22143642 -9.870539e-01
## ENSG00000140950 4.732397e+02 0.3016424857 0.12523681 2.408577e+00
## ENSG00000140955 6.460817e-01 1.9763370324 2.31538060 8.535690e-01
## ENSG00000140961 1.917824e+02 0.0701668240 0.26995630 2.599192e-01

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## ENSG00000140968 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000140983 9.712349e+02 0.1807040762 0.18603420 9.713487e-01
## ENSG00000140986 1.249524e+01 0.3915139382 0.49781969 7.864573e-01
## ENSG00000140987 2.528965e+02 -0.1179642313 0.13412690 -8.794972e-01
## ENSG00000140988 2.108193e+04 -0.0302273945 0.18813043 -1.606725e-01
## ENSG00000140990 9.205866e+02 0.0101711545 0.12598470 8.073325e-02
## ENSG00000140992 1.417686e+03 0.0881324155 0.17634053 4.997853e-01
## ENSG00000140993 6.997664e+01 0.3982030076 0.25233190 1.578092e+00
## ENSG00000140995 1.001600e+03 0.2670302832 0.11630765 2.295896e+00
## ENSG00000141002 2.508384e+03 -0.0979529743 0.10527827 -9.304197e-01
## ENSG00000141012 6.340244e+02 0.1402094231 0.18154776 7.723005e-01
## ENSG00000141013 2.615186e+02 -0.0242726650 0.22780289 -1.065512e-01
## ENSG00000141026 2.690357e+02 -0.2096592998 0.12789390 -1.639322e+00
## ENSG00000141027 2.821702e+03 0.0725608534 0.15460470 4.693315e-01
## ENSG00000141028 1.489238e+00 0.7878518355 1.41656440 5.561709e-01
## ENSG00000141030 6.382582e+02 -0.2289700835 0.10438530 -2.193509e+00
## ENSG00000141034 5.257857e+02 0.2668451632 0.12423549 2.147898e+00
## ENSG00000141040 1.569868e+02 -0.1986764206 0.18122801 -1.096279e+00
## ENSG00000141052 1.281924e+02 0.3149492396 0.44796598 7.030651e-01
## ENSG00000141068 5.106005e+02 -0.5572505076 0.42500910 -1.311150e+00
## ENSG00000141076 4.303323e+02 -0.0657694359 0.14784755 -4.448463e-01
## ENSG00000141084 5.380702e+02 -0.0357919190 0.11708381 -3.056949e-01
## ENSG00000141086 8.847782e-01 1.5543853536 2.28527344 6.801748e-01
## ENSG00000141096 2.723303e-01 -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000141098 2.954825e+02 -0.2887405612 0.15371593 -1.878404e+00
## ENSG00000141101 6.863683e+02 -0.1207623232 0.10284766 -1.174186e+00
## ENSG00000141127 1.774349e+02 -0.5723787432 0.23929449 -2.391943e+00
## ENSG00000141161 6.676938e-01 -1.8529761255 1.99426892 -9.291506e-01
## ENSG00000141179 2.115171e+02 0.1923923924 0.21803947 8.823741e-01
## ENSG00000141194 0.000000e+00 NA NA NA
## ENSG00000141198 2.161419e+02 0.7370947704 0.27184690 2.711433e+00
## ENSG00000141200 0.000000e+00 NA NA NA
## ENSG00000141219 4.755309e+02 -0.2137558619 0.16833980 -1.269788e+00
## ENSG00000141232 9.286583e+02 0.1322608211 0.16568571 7.982633e-01
## ENSG00000141252 1.022877e+03 -0.0357091623 0.14764444 -2.418592e-01
## ENSG00000141255 4.886769e+00 0.8732450170 1.52987932 5.707934e-01
## ENSG00000141258 1.645470e+03 -0.2428823399 0.13273880 -1.829777e+00
## ENSG00000141279 4.913180e+03 0.0264470021 0.14831799 1.783128e-01
## ENSG00000141293 3.349857e-01 -0.6310698606 3.52264070 -1.791468e-01
## ENSG00000141294 1.701315e+01 0.3250232199 0.60336733 5.386822e-01
## ENSG00000141295 3.551274e+02 -0.2956941271 0.21714480 -1.361737e+00
## ENSG00000141298 2.097023e+03 1.1725171838 0.17771791 6.597631e+00
## ENSG00000141314 7.042407e+00 -0.2518995461 0.86641728 -2.907370e-01
## ENSG00000141316 1.269991e+00 -0.7616782773 1.37738486 -5.529887e-01
## ENSG00000141337 6.183129e+02 0.5263633017 0.24918854 2.112309e+00
## ENSG00000141338 4.240421e+03 0.0097464350 0.13695582 7.116481e-02
## ENSG00000141349 6.918190e+02 0.1958014109 0.12574292 1.557157e+00
## ENSG00000141367 1.157052e+04 0.0322354569 0.07238559 4.453297e-01
## ENSG00000141371 8.795835e-01 -1.5606219730 1.90423052 -8.195552e-01
## ENSG00000141376 7.049508e+02 0.2565483308 0.12638056 2.029967e+00
## ENSG00000141378 2.022497e+02 0.2303963097 0.16251862 1.417661e+00
## ENSG00000141380 1.591372e+03 0.1292655881 0.08861688 1.458702e+00
## ENSG00000141384 7.012494e+01 0.5349901263 0.30759844 1.739249e+00
## ENSG00000141385 8.245034e+02 0.2265287677 0.11767279 1.925074e+00

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## ENSG00000141391 1.034329e+02 -0.3505868222 0.25110100 -1.396198e+00
## ENSG00000141401 6.195133e+02 2.1948541289 0.23740136 9.245331e+00
## ENSG00000141404 7.222890e+01 -0.4951961687 0.30603016 -1.618129e+00
## ENSG00000141424 2.535834e+03 -0.2000542491 0.17258787 -1.159144e+00
## ENSG00000141425 6.675091e+02 0.2743421564 0.12850345 2.134901e+00
## ENSG00000141428 1.814898e+02 -0.1142728791 0.14696809 -7.775353e-01
## ENSG00000141429 1.738308e+03 -0.1977433332 0.12658751 -1.562108e+00
## ENSG00000141431 4.165251e+01 -1.7305409503 0.84182346 -2.055705e+00
## ENSG00000141433 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000141434 1.568238e+00 -0.6840887917 1.50296107 -4.551607e-01
## ENSG00000141437 2.703199e-01 1.7280878899 3.51555352 4.915550e-01
## ENSG00000141441 1.513923e+02 0.1794858561 0.32798752 5.472338e-01
## ENSG00000141446 3.094302e+02 0.0926484226 0.15829005 5.853079e-01
## ENSG00000141447 1.850226e+03 -0.3563014783 0.17424523 -2.044828e+00
## ENSG00000141448 1.572093e+02 -0.6166139830 0.28960240 -2.129174e+00
## ENSG00000141449 3.715477e+00 1.0644737917 1.50586689 7.068844e-01
## ENSG00000141452 3.860868e+02 0.5739186970 0.18043663 3.180722e+00
## ENSG00000141456 8.288891e+02 -0.0988204404 0.11676015 -8.463542e-01
## ENSG00000141458 1.001888e+03 0.6909170158 0.20754684 3.328969e+00
## ENSG00000141469 7.213022e+01 -2.9330303775 0.69120372 -4.243366e+00
## ENSG00000141480 1.448689e+02 -0.2889049545 0.17186448 -1.681004e+00
## ENSG00000141485 6.490071e+00 -0.5714621503 0.78471190 -7.282445e-01
## ENSG00000141497 1.075386e+01 0.0005392442 0.65208951 8.269482e-04
## ENSG00000141499 9.766980e+01 0.0177624311 0.20473346 8.675881e-02
## ENSG00000141503 1.814006e+03 -0.0441056319 0.14415076 -3.059688e-01
## ENSG00000141504 6.959842e+02 -0.1462049200 0.16322691 -8.957158e-01
## ENSG00000141505 1.333875e+01 -0.4725822793 0.45124096 -1.047295e+00
## ENSG00000141506 1.962848e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000141510 8.353997e+02 -0.5382924265 0.19072226 -2.822389e+00
## ENSG00000141519 1.082175e+02 -0.0880298417 0.46308718 -1.900935e-01
## ENSG00000141522 4.637601e+03 0.5070277311 0.08940901 5.670880e+00
## ENSG00000141524 5.102150e+00 0.7123033098 0.88293669 8.067434e-01
## ENSG00000141526 2.133147e+03 0.8658960810 0.43815050 1.976253e+00
## ENSG00000141527 9.354743e+01 0.3816187894 0.22355860 1.707019e+00
## ENSG00000141540 6.442755e+01 -0.5570928695 0.45847098 -1.215110e+00
## ENSG00000141542 2.844110e+02 -0.2979971287 0.26828625 -1.110743e+00
## ENSG00000141543 1.044952e+03 0.2217907573 0.17659075 1.255959e+00
## ENSG00000141551 3.238857e+03 -0.0610993461 0.10752430 -5.682375e-01
## ENSG00000141552 6.807819e+02 0.2517398264 0.16514274 1.524377e+00
## ENSG00000141556 1.566587e+03 -0.0406056747 0.13655003 -2.973685e-01
## ENSG00000141560 4.772817e+02 -0.0598450805 0.09871457 -6.062437e-01
## ENSG00000141562 6.915957e+02 -0.2723082985 0.14394961 -1.891692e+00
## ENSG00000141564 7.194838e+02 0.2859470782 0.11187014 2.556062e+00
## ENSG00000141568 9.117134e+02 0.0524250303 0.14067924 3.726565e-01
## ENSG00000141569 3.398785e+02 0.0483157835 0.14422972 3.349919e-01
## ENSG00000141570 1.584518e+02 0.2820689146 0.20234555 1.393996e+00
## ENSG00000141574 6.490452e+02 -0.7558458951 0.16924163 -4.466075e+00
## ENSG00000141576 2.300848e+02 1.0627814742 0.33796291 3.144669e+00
## ENSG00000141577 1.946725e+02 -0.1219694924 0.14406461 -8.466305e-01
## ENSG00000141579 1.003038e+00 -1.6288949412 1.89356798 -8.602252e-01
## ENSG00000141580 1.960341e+03 0.0313435494 0.11522832 2.720126e-01
## ENSG00000141582 3.456132e+02 0.0912343472 0.14382745 6.343320e-01
## ENSG00000141622 2.180067e+00 -0.5619839570 1.14115007 -4.924716e-01
## ENSG00000141627 1.073504e+03 -0.1888198385 0.11734449 -1.609107e+00

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## ENSG00000141639 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000141642 1.327640e+02 -0.3418454413 0.18846251 -1.813864e+00
## ENSG00000141644 1.094982e+03 -0.0927694011 0.13954002 -6.648229e-01
## ENSG00000141646 1.561035e+03 0.0556114387 0.09745919 5.706126e-01
## ENSG00000141655 1.284840e+01 -0.5538487471 0.77900684 -7.109678e-01
## ENSG00000141664 3.307384e+02 0.0750383198 0.25125909 2.986492e-01
## ENSG00000141665 4.305160e+01 -0.3566895405 0.27349790 -1.304177e+00
## ENSG00000141668 0.000000e+00 NA NA NA
## ENSG00000141682 9.183211e+01 -0.0420187867 0.30960553 -1.357172e-01
## ENSG00000141696 4.759665e+02 -0.1806546952 0.15953540 -1.132380e+00
## ENSG00000141698 6.282342e+02 -0.0907113138 0.11714636 -7.743417e-01
## ENSG00000141699 1.075365e+03 0.2928234675 0.10804483 2.710204e+00
## ENSG00000141736 1.916678e+03 0.1840011720 0.10638830 1.729524e+00
## ENSG00000141738 3.536268e+00 -0.0351621715 1.07888745 -3.259114e-02
## ENSG00000141741 5.060671e+02 0.3009775363 0.10858401 2.771840e+00
## ENSG00000141744 8.986591e-01 3.3697665071 3.32107929 1.014660e+00
## ENSG00000141748 2.709588e+00 -0.7778899757 1.13731924 -6.839680e-01
## ENSG00000141750 4.281431e+00 0.0229194193 0.80016694 2.864330e-02
## ENSG00000141753 7.575198e+04 -0.2296230404 0.38844953 -5.911271e-01
## ENSG00000141756 6.297498e+03 -0.1198002797 0.12317331 -9.726156e-01
## ENSG00000141759 5.018110e+02 0.2204594746 0.12804977 1.721670e+00
## ENSG00000141837 2.558692e+02 -0.1911055835 0.59305418 -3.222397e-01
## ENSG00000141854 2.947055e+01 0.2242792373 0.47200363 4.751642e-01
## ENSG00000141858 3.331914e+02 0.0541864174 0.21467315 2.524136e-01
## ENSG00000141867 1.566784e+03 0.4340027841 0.11421119 3.800002e+00
## ENSG00000141873 3.276262e+02 0.0493978679 0.15424161 3.202629e-01
## ENSG00000141905 4.361180e+03 0.1163707132 0.10852197 1.072324e+00
## ENSG00000141933 1.753018e+02 0.1659128149 0.26255271 6.319219e-01
## ENSG00000141934 7.681767e+01 -0.8502150119 0.56183456 -1.513284e+00
## ENSG00000141946 2.934959e+00 -0.9425697088 0.96685277 -9.748844e-01
## ENSG00000141956 2.024999e+02 -0.4097086057 0.28087521 -1.458686e+00
## ENSG00000141959 3.254021e+03 0.0581341394 0.17244156 3.371237e-01
## ENSG00000141965 4.233568e+02 0.0585337189 0.10544620 5.551051e-01
## ENSG00000141968 2.605842e+00 0.4671809030 1.30889624 3.569274e-01
## ENSG00000141971 3.943810e+02 0.2067443559 0.12616000 1.638747e+00
## ENSG00000141977 0.000000e+00 NA NA NA
## ENSG00000141979 0.000000e+00 NA NA NA
## ENSG00000141985 2.080218e+03 0.2548623721 0.14205297 1.794136e+00
## ENSG00000141994 2.223723e+02 0.0009438468 0.17907627 5.270641e-03
## ENSG00000142002 1.575867e+03 0.5117844924 0.12133029 4.218110e+00
## ENSG00000142025 5.773256e-01 -0.4646627362 2.12609093 -2.185526e-01
## ENSG00000142039 5.850419e+02 -0.1446499270 0.16568342 -8.730501e-01
## ENSG00000142046 2.126442e+02 0.4271982807 0.24532830 1.741333e+00
## ENSG00000142065 1.514268e+02 -0.6068500082 0.26287577 -2.308505e+00
## ENSG00000142082 3.348592e+02 -0.0444258920 0.18046683 -2.461721e-01
## ENSG00000142089 9.134685e+03 0.1095048754 0.07192715 1.522441e+00
## ENSG00000142102 6.072627e+02 0.4564360602 0.18957918 2.407628e+00
## ENSG00000142149 5.095574e+01 -1.1100872857 0.53172251 -2.087719e+00
## ENSG00000142156 7.587387e+04 -0.1127031202 0.11779653 -9.567610e-01
## ENSG00000142163 0.000000e+00 NA NA NA
## ENSG00000142166 2.222468e+03 -0.0323695404 0.09986706 -3.241263e-01
## ENSG00000142168 3.166622e+03 0.0969101050 0.12092667 8.013956e-01
## ENSG00000142173 8.885732e+04 -0.1113510432 0.11686966 -9.527797e-01
## ENSG00000142178 1.498148e+01 0.0527477341 1.06589455 4.948682e-02

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## ENSG00000142182 0.000000e+00 NA NA NA
## ENSG00000142185 6.867792e-01 -1.8941391157 2.89611004 -6.540287e-01
## ENSG00000142186 1.974663e+03 0.0862456100 0.12209562 7.063776e-01
## ENSG00000142188 4.116922e+02 0.3158526792 0.21935170 1.439937e+00
## ENSG00000142192 2.684311e+04 -0.1652989026 0.08983926 -1.839941e+00
## ENSG00000142197 3.342959e+02 0.0223819729 0.19502771 1.147630e-01
## ENSG00000142207 8.645623e+02 0.1265396954 0.14116603 8.963891e-01
## ENSG00000142208 2.797420e+03 0.2497908484 0.10526023 2.373079e+00
## ENSG00000142224 1.659944e+00 1.3486945901 1.55058418 8.697977e-01
## ENSG00000142227 2.295647e+03 -0.5508077646 0.13572968 -4.058123e+00
## ENSG00000142230 1.654737e+03 0.0145651204 0.08335515 1.747357e-01
## ENSG00000142233 7.637639e+00 -1.1036285888 0.68082956 -1.621006e+00
## ENSG00000142235 1.084655e+01 0.0292342279 0.54645768 5.349770e-02
## ENSG00000142252 1.497956e+02 0.1032351438 0.14947304 6.906607e-01
## ENSG00000142273 0.000000e+00 NA NA NA
## ENSG00000142279 6.814140e+02 0.8014402530 0.20264820 3.954835e+00
## ENSG00000142303 3.889147e+02 -0.2518717069 0.15228325 -1.653969e+00
## ENSG00000142319 6.840884e-01 1.9439631853 2.86701718 6.780438e-01
## ENSG00000142327 1.040764e+03 0.5453513860 0.13400881 4.069519e+00
## ENSG00000142330 2.404185e+02 0.0808658234 0.15235241 5.307814e-01
## ENSG00000142347 2.462718e+01 -0.2309956594 0.39999051 -5.775028e-01
## ENSG00000142396 6.165815e+02 0.0212605803 0.11869039 1.791264e-01
## ENSG00000142405 7.663048e+00 -0.1572452648 0.60931710 -2.580680e-01
## ENSG00000142408 9.614352e+01 0.0110940996 0.81011380 1.369450e-02
## ENSG00000142409 2.653070e+02 -0.1007396096 0.16261147 -6.195111e-01
## ENSG00000142444 1.679479e+02 -0.1086185924 0.17631565 -6.160462e-01
## ENSG00000142449 0.000000e+00 NA NA NA
## ENSG00000142453 1.219075e+03 -0.1448946976 0.13717677 -1.056263e+00
## ENSG00000142459 5.840960e+02 -0.4725937414 0.10251442 -4.610022e+00
## ENSG00000142484 0.000000e+00 NA NA NA
## ENSG00000142494 3.383392e+01 -0.1743632515 0.55546923 -3.139026e-01
## ENSG00000142507 9.453249e+02 -0.1554440315 0.14215256 -1.093501e+00
## ENSG00000142511 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000142512 7.043903e+00 0.3861012063 0.87325652 4.421395e-01
## ENSG00000142513 6.707712e-01 -1.5869749100 2.83489987 -5.597993e-01
## ENSG00000142515 0.000000e+00 NA NA NA
## ENSG00000142528 1.574186e+02 -0.0135073142 0.20054502 -6.735303e-02
## ENSG00000142530 4.305499e+00 -0.4517106229 0.89923765 -5.023262e-01
## ENSG00000142534 1.556175e+04 -0.0272584123 0.16343943 -1.667799e-01
## ENSG00000142538 0.000000e+00 NA NA NA
## ENSG00000142539 0.000000e+00 NA NA NA
## ENSG00000142541 3.302235e+04 -0.0560492784 0.19241185 -2.912985e-01
## ENSG00000142544 3.586754e+01 0.5516503301 0.35099762 1.571664e+00
## ENSG00000142546 4.730062e+02 0.1350228419 0.14062892 9.601356e-01
## ENSG00000142549 9.030502e-01 -1.0500215713 1.76318024 -5.955271e-01
## ENSG00000142552 1.767441e+03 -0.0983984595 0.08312445 -1.183749e+00
## ENSG00000142556 1.941322e+02 -0.2346992748 0.14583842 -1.609310e+00
## ENSG00000142583 1.391423e+02 -0.0758673306 0.60959614 -1.244551e-01
## ENSG00000142599 3.018048e+03 0.1109208679 0.14774098 7.507793e-01
## ENSG00000142606 3.483129e-01 -1.8407528231 3.48574393 -5.280803e-01
## ENSG00000142609 1.439789e+01 -0.1748930341 0.51043026 -3.426385e-01
## ENSG00000142611 5.477282e+01 -0.3292270549 0.39629106 -8.307708e-01
## ENSG00000142615 9.554146e-01 -3.2928251915 2.53106742 -1.300963e+00
## ENSG00000142619 0.000000e+00 NA NA NA

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## ENSG00000142621 1.720107e+00 -1.1951158844 1.73694853 -6.880549e-01
## ENSG00000142623 3.821056e-01 0.8194015199 3.24192793 2.527513e-01
## ENSG00000142627 6.725005e+01 -0.4313974527 0.45692358 -9.441348e-01
## ENSG00000142632 9.660089e+01 1.0276796308 0.40145414 2.559893e+00
## ENSG00000142634 5.730339e+02 0.4076952827 0.16040841 2.541608e+00
## ENSG00000142655 3.177566e+02 -0.0497567085 0.13929505 -3.572037e-01
## ENSG00000142657 2.954597e+03 -0.0197440461 0.17334788 -1.138984e-01
## ENSG00000142661 1.663571e+01 -0.8441872447 0.81227447 -1.039288e+00
## ENSG00000142669 2.583368e+03 -0.0405882004 0.14959416 -2.713221e-01
## ENSG00000142675 4.015457e+00 0.7597062507 0.87950759 8.637859e-01
## ENSG00000142676 1.222178e+04 -0.0762329217 0.13552174 -5.625143e-01
## ENSG00000142677 1.422934e+01 1.2296172884 0.63974299 1.922049e+00
## ENSG00000142684 1.315642e+02 0.2250585853 0.23604981 9.534369e-01
## ENSG00000142686 6.523804e+02 -0.0313916350 0.11005188 -2.852440e-01
## ENSG00000142687 1.944849e+03 0.0842379857 0.11176154 7.537297e-01
## ENSG00000142694 9.932966e+02 -0.0278343775 0.21376428 -1.302106e-01
## ENSG00000142698 3.937096e+00 0.2674123114 0.98271508 2.721158e-01
## ENSG00000142700 1.621080e+01 0.1247597936 1.02239238 1.220273e-01
## ENSG00000142731 2.589687e+01 -0.8164381092 0.48154959 -1.695439e+00
## ENSG00000142733 8.110601e+02 0.2326074975 0.18531534 1.255198e+00
## ENSG00000142748 1.512885e+00 0.5833310283 1.46901774 3.970892e-01
## ENSG00000142751 6.461441e+02 0.1751821978 0.16222523 1.079870e+00
## ENSG00000142765 8.302952e+00 1.2884919751 0.67949823 1.896240e+00
## ENSG00000142784 1.639387e+03 0.2318430127 0.12311223 1.883184e+00
## ENSG00000142789 0.000000e+00 NA NA NA
## ENSG00000142794 1.002985e+03 0.3522983884 0.15393604 2.288602e+00
## ENSG00000142798 1.614294e+04 0.0928393086 0.20698286 4.485362e-01
## ENSG00000142856 1.882374e+02 -0.1090867211 0.23517622 -4.638510e-01
## ENSG00000142864 5.439108e+03 0.3861644717 0.10678579 3.616253e+00
## ENSG00000142867 4.327122e+02 -0.0020305888 0.17114025 -1.186506e-02
## ENSG00000142871 5.245949e+03 1.7878490520 0.35073587 5.097423e+00
## ENSG00000142875 1.028018e+03 -0.6125321092 0.14856782 -4.122912e+00
## ENSG00000142892 1.291907e+03 0.0727541549 0.13837061 5.257920e-01
## ENSG00000142910 1.372666e+02 0.9322285512 1.08679952 8.577742e-01
## ENSG00000142920 5.314889e+01 0.0277788060 0.40302964 6.892497e-02
## ENSG00000142937 1.681434e+04 -0.0381792149 0.16753097 -2.278935e-01
## ENSG00000142945 2.867761e+01 -0.4029064425 0.45277363 -8.898629e-01
## ENSG00000142949 2.182868e+03 -0.1625466536 0.25469782 -6.381941e-01
## ENSG00000142959 6.273328e+00 -0.4219389523 0.69533814 -6.068112e-01
## ENSG00000142961 3.895922e+02 0.0956465937 0.14445272 6.621308e-01
## ENSG00000142973 1.486922e+00 -0.4231940230 1.57152059 -2.692895e-01
## ENSG00000143001 4.225091e+00 2.4135444933 1.26723081 1.904582e+00
## ENSG00000143006 0.000000e+00 NA NA NA
## ENSG00000143013 1.529156e+03 -0.4129623393 0.13069141 -3.159828e+00
## ENSG00000143028 1.041522e+02 1.3857203482 0.59868473 2.314608e+00
## ENSG00000143032 0.000000e+00 NA NA NA
## ENSG00000143033 1.583175e+02 -0.3908451286 0.18673502 -2.093047e+00
## ENSG00000143036 1.108304e+02 0.5649443827 0.36860008 1.532676e+00
## ENSG00000143061 8.269627e+00 -1.9263271346 1.07251903 -1.796077e+00
## ENSG00000143067 2.213249e+02 -0.7029397345 0.24222998 -2.901952e+00
## ENSG00000143079 1.551818e+03 0.3312872651 0.28158126 1.176525e+00
## ENSG00000143093 1.002066e+03 -0.0750316890 0.09181684 -8.171887e-01
## ENSG00000143105 0.000000e+00 NA NA NA
## ENSG00000143106 1.049294e+03 0.4400305385 0.12441908 3.536681e+00

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## ENSG00000143107 2.448756e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000143110 7.274723e+00    0.2827504032 0.57720099 4.898647e-01
## ENSG00000143119 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000143125 1.820103e+00    4.3978218081 1.64061779 2.680589e+00
## ENSG00000143126 6.631749e+01    0.0750806950 0.43916312 1.709631e-01
## ENSG00000143127 2.548253e+02    3.1123231516 0.56135563 5.544298e+00
## ENSG00000143147 1.312747e+03    0.2344201142 0.17839087 1.314081e+00
## ENSG00000143149 2.590753e+03    0.0635786753 0.18020789 3.528074e-01
## ENSG00000143153 2.969705e+02    0.6211495047 0.76978345 8.069146e-01
## ENSG00000143155 8.932814e+02    0.0938076879 0.11951210 7.849221e-01
## ENSG00000143156 2.773699e+02    -0.2825730188 0.20609552 -1.371078e+00
## ENSG00000143157 8.343905e+02    0.2470536732 0.13453967 1.836289e+00
## ENSG00000143158 6.372330e+02    -0.2714710134 0.13491289 -2.012195e+00
## ENSG00000143162 3.278404e+03    0.0531398382 0.14594075 3.641193e-01
## ENSG00000143164 2.765849e+03    0.2904209765 0.12340508 2.353396e+00
## ENSG00000143167 1.361651e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000143171 7.925443e-01    -2.0099997428 2.76573574 -7.267505e-01
## ENSG00000143178 7.853179e+01    0.0655947001 0.26478831 2.477251e-01
## ENSG00000143179 8.091234e+02    0.3020455415 0.20219577 1.493827e+00
## ENSG00000143183 1.361020e+03    0.0419712833 0.15216301 2.758311e-01
## ENSG00000143184 1.958124e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000143185 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000143190 3.623976e+02    -0.0728345753 0.27286610 -2.669242e-01
## ENSG00000143194 4.290047e-01    -0.5512701034 3.16300717 -1.742867e-01
## ENSG00000143195 2.862999e+00    -0.7284000346 0.95001172 -7.667274e-01
## ENSG00000143196 1.733267e+03    0.8548722889 0.89281908 9.574978e-01
## ENSG00000143198 1.422128e+03    0.0044049287 0.10490138 4.199114e-02
## ENSG00000143199 3.729140e+00    1.0584927213 1.00893273 1.049121e+00
## ENSG00000143207 5.275083e+02    -0.0413090674 0.14790923 -2.792866e-01
## ENSG00000143217 4.448383e+00    -0.4383037045 0.81276506 -5.392748e-01
## ENSG00000143222 1.001648e+03    -0.0338057454 0.08016909 -4.216805e-01
## ENSG00000143224 1.638124e+02    0.2009306356 0.30032152 6.690517e-01
## ENSG00000143226 3.535289e+01    -0.6868731770 0.47563511 -1.444118e+00
## ENSG00000143228 1.256118e+01    -0.1060047238 0.50978841 -2.079387e-01
## ENSG00000143248 1.297957e+02    -0.2198577868 0.24949721 -8.812034e-01
## ENSG00000143252 2.191741e+03    0.1414107279 0.15657939 9.031248e-01
## ENSG00000143256 2.970535e+02    0.1143021716 0.19628528 5.823268e-01
## ENSG00000143257 7.705042e+00    0.6556329104 0.76072771 8.618496e-01
## ENSG00000143258 3.619385e+02    -0.3151415041 0.19423477 -1.622477e+00
## ENSG00000143278 0.000000e+00          NA          NA          NA
## ENSG00000143294 7.106487e+02    -0.1326355494 0.16574913 -8.002187e-01
## ENSG00000143297 2.516721e+01    0.1600129392 0.48505029 3.298894e-01
## ENSG00000143303 2.980588e+02    0.2223329925 0.17075604 1.302051e+00
## ENSG00000143314 4.499666e+02    0.1426279631 0.18289120 7.798514e-01
## ENSG00000143315 2.824927e+02    -0.0604840911 0.12908973 -4.685430e-01
## ENSG00000143318 4.774180e+00    0.7160087416 1.03672478 6.906450e-01
## ENSG00000143319 4.053890e+02    -0.0866482623 0.15489502 -5.593999e-01
## ENSG00000143320 1.513740e+03    -1.7076340145 0.18760992 -9.102045e+00
## ENSG00000143321 3.318118e+03    -0.1478063939 0.08966874 -1.648360e+00
## ENSG00000143322 1.187012e+03    0.6648467468 0.16151742 4.116254e+00
## ENSG00000143324 1.038819e+03    -0.1497422500 0.16967272 -8.825358e-01
## ENSG00000143333 1.658714e+01    0.7175498484 0.45114220 1.590518e+00
## ENSG00000143337 3.834789e+03    0.0414324003 0.14933392 2.774480e-01
## ENSG00000143340 2.060377e+00    0.0063894383 1.18251198 5.403276e-03

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## ENSG00000143341 1.792692e+03 -0.4099413675 0.29773198 -1.376881e+00
## ENSG00000143344 1.081296e+03 -1.0661676809 0.15127480 -7.047887e+00
## ENSG00000143353 2.388280e+02 0.4004875963 0.13598173 2.945157e+00
## ENSG00000143355 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000143363 2.849066e+02 -0.1244428293 0.15152667 -8.212603e-01
## ENSG00000143365 1.080958e+00 1.0087957067 1.68721373 5.979063e-01
## ENSG00000143367 2.206434e+02 -0.2887358253 0.41532586 -6.952031e-01
## ENSG00000143368 9.666191e+02 0.2155749034 0.12005672 1.795609e+00
## ENSG00000143369 4.624628e+03 -0.0684179284 0.29413315 -2.326087e-01
## ENSG00000143373 5.602906e+02 -0.2354640816 0.14111821 -1.668559e+00
## ENSG00000143374 3.064570e+02 -0.0146679989 0.18330311 -8.002046e-02
## ENSG00000143375 4.320762e+00 1.0437737495 1.03419063 1.009266e+00
## ENSG00000143376 8.227172e+02 0.1321732371 0.11002284 1.201325e+00
## ENSG00000143379 6.180311e+02 -0.0202910790 0.15624734 -1.298651e-01
## ENSG00000143382 3.656862e+03 0.8952592477 0.30555222 2.929971e+00
## ENSG00000143384 5.989471e+03 0.5956794267 0.11491595 5.183610e+00
## ENSG00000143387 3.277091e+04 -0.0623823030 0.25971071 -2.401992e-01
## ENSG00000143390 6.749352e+02 -0.4002312161 0.21073639 -1.899203e+00
## ENSG00000143393 1.850619e+03 -0.2585459614 0.11739460 -2.202367e+00
## ENSG00000143398 1.265158e+03 0.4200842914 0.17275357 2.431697e+00
## ENSG00000143401 5.771947e+02 -0.2036293422 0.14513122 -1.403071e+00
## ENSG00000143409 4.849268e+02 -0.3294472566 0.19447625 -1.694023e+00
## ENSG00000143412 6.509913e+01 -0.1591531107 0.28358615 -5.612161e-01
## ENSG00000143416 1.369122e+03 -0.6091840046 0.21752866 -2.800477e+00
## ENSG00000143418 3.710122e+03 0.2072854033 0.10145056 2.043216e+00
## ENSG00000143420 1.445706e+03 -0.1081139731 0.10996477 -9.831691e-01
## ENSG00000143429 7.147696e+02 -0.2244383288 0.25458995 -8.815679e-01
## ENSG00000143434 1.829246e+02 0.4348914669 0.28427169 1.529844e+00
## ENSG00000143436 4.563420e+02 -0.0746878733 0.11027774 -6.772706e-01
## ENSG00000143437 1.969493e+03 -0.0652401529 0.11080023 -5.888088e-01
## ENSG00000143442 1.262420e+03 -0.2243681683 0.15094224 -1.486450e+00
## ENSG00000143443 1.231888e+02 -0.5654438366 0.26926088 -2.099985e+00
## ENSG00000143450 1.825997e+01 -0.0608172892 0.42173241 -1.442082e-01
## ENSG00000143452 5.151933e-01 -0.5487006066 3.07971143 -1.781662e-01
## ENSG00000143457 5.691233e+02 -0.1028110405 0.11663085 -8.815081e-01
## ENSG00000143458 3.822592e+02 0.1664118901 0.16175135 1.028813e+00
## ENSG00000143469 2.193812e+02 -0.6371665446 0.37375781 -1.704758e+00
## ENSG00000143473 3.100406e+00 -1.1372829072 0.97813979 -1.162700e+00
## ENSG00000143476 1.863978e+01 -0.4709059365 0.48922351 -9.625579e-01
## ENSG00000143479 2.337042e+02 -0.0292329192 0.17224621 -1.697159e-01
## ENSG00000143486 1.334714e+03 -0.1055454424 0.13870101 -7.609566e-01
## ENSG00000143493 3.171238e+02 -0.5075727867 0.17887977 -2.837508e+00
## ENSG00000143494 2.166140e+01 -0.7416777917 0.41033483 -1.807494e+00
## ENSG00000143498 9.295776e+01 -0.6579605989 0.21879967 -3.007137e+00
## ENSG00000143499 3.420778e+02 0.3278996888 0.14805074 2.214779e+00
## ENSG00000143502 0.000000e+00 NA NA NA
## ENSG00000143507 3.262686e+02 -1.2817817449 0.20682086 -6.197546e+00
## ENSG00000143512 1.022463e+01 -1.0994812946 0.71295133 -1.542155e+00
## ENSG00000143514 1.103173e+03 0.1983152987 0.14514579 1.366318e+00
## ENSG00000143515 8.702197e+03 0.0671406007 0.19281236 3.482173e-01
## ENSG00000143520 4.205425e+00 -0.5893332644 0.84055052 -7.011277e-01
## ENSG00000143536 0.000000e+00 NA NA NA
## ENSG00000143537 1.459593e+03 0.0333752969 0.13505054 2.471319e-01
## ENSG00000143543 1.328066e+03 0.0971268744 0.15535703 6.251850e-01

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## ENSG00000143545 4.838700e+03    0.1142700255 0.08760212  1.304421e+00
## ENSG00000143546 0.000000e+00      NA          NA          NA
## ENSG00000143549 4.118939e+03    0.3093482684 0.13624366  2.270552e+00
## ENSG00000143552 1.173308e+00    -1.6778460080 1.88985560 -8.878170e-01
## ENSG00000143553 5.021448e+02    -0.0893721172 0.09813212 -9.107325e-01
## ENSG00000143554 2.564148e+02    0.2131900187 0.24716230  8.625507e-01
## ENSG00000143556 1.245563e+00    1.0882828443 2.61741992  4.157846e-01
## ENSG00000143569 3.998943e+03    0.1143978174 0.09072230  1.260967e+00
## ENSG00000143570 2.248078e+03    0.3356924599 0.07137997  4.702895e+00
## ENSG00000143575 8.319102e+02    -0.0607249964 0.10500150 -5.783250e-01
## ENSG00000143578 1.299834e+02    0.1101398706 0.27280766  4.037272e-01
## ENSG00000143590 2.365456e+01    -0.2665543397 0.45509023 -5.857176e-01
## ENSG00000143595 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000143603 3.718291e+00    -0.4863102430 1.03903550 -4.680401e-01
## ENSG00000143612 2.616077e+03    0.1000646874 0.10352958  9.665324e-01
## ENSG00000143614 2.974593e+02    0.2176837298 0.38201821  5.698255e-01
## ENSG00000143621 1.481938e+03    -0.1363987807 0.10938300 -1.246983e+00
## ENSG00000143622 3.600190e+02    -0.2527184370 0.16267991 -1.553470e+00
## ENSG00000143624 1.214081e+03    -0.1083638784 0.09385786 -1.154553e+00
## ENSG00000143627 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000143630 4.632345e+01    -0.4538854830 0.32187619 -1.410124e+00
## ENSG00000143631 1.786864e+02    -0.7984008789 0.65129725 -1.225863e+00
## ENSG00000143632 1.011131e+00    1.0439053892 1.91508674  5.450956e-01
## ENSG00000143633 1.231926e+02    -0.0032594155 0.17218383 -1.892986e-02
## ENSG00000143641 5.776744e+03    0.2510490526 0.11658699  2.153320e+00
## ENSG00000143643 2.171430e+02    0.4901131521 0.26492447  1.850011e+00
## ENSG00000143653 9.055514e+02    -0.0603766050 0.11988475 -5.036221e-01
## ENSG00000143669 9.538230e+02    0.0295061389 0.11007760  2.680485e-01
## ENSG00000143674 3.368597e+00    -0.4149041744 0.96214508 -4.312283e-01
## ENSG00000143702 1.501069e+03    -0.5497031446 0.22568131 -2.435749e+00
## ENSG00000143727 9.688804e+02    0.0989430980 0.10907567  9.071051e-01
## ENSG00000143740 5.246864e+02    -0.4519454151 0.09970187 -4.532968e+00
## ENSG00000143742 2.284040e+03    -0.0928918867 0.12060213 -7.702342e-01
## ENSG00000143748 2.794002e+02    -0.5910461056 0.15644398 -3.778005e+00
## ENSG00000143751 2.384569e+02    -0.1347049245 0.12920013 -1.042607e+00
## ENSG00000143753 2.466981e+03    0.3696993171 0.11333503  3.262004e+00
## ENSG00000143756 9.060155e+02    0.1046836022 0.14618777  7.160900e-01
## ENSG00000143761 5.783763e+03    0.3270044139 0.09547120  3.425163e+00
## ENSG00000143768 3.742297e-01    -0.5513892311 3.27937664 -1.681384e-01
## ENSG00000143771 9.806551e+02    0.4922858877 0.13594885  3.621111e+00
## ENSG00000143772 1.260434e+03    -0.8577326989 0.27790858 -3.086384e+00
## ENSG00000143774 2.124400e+03    0.0792169240 0.09161503  8.646717e-01
## ENSG00000143776 2.466201e+03    0.0364969133 0.10551385  3.458969e-01
## ENSG00000143786 8.295957e+01    -0.8787818717 0.24711208 -3.556208e+00
## ENSG00000143793 1.525972e+02    0.2597212199 0.17256704  1.505045e+00
## ENSG00000143797 7.921321e+02    -0.3862114893 0.13853417 -2.787843e+00
## ENSG00000143799 1.617359e+03    -0.0027601576 0.12922577 -2.135919e-02
## ENSG00000143801 2.599378e+02    0.3538870342 0.17571301  2.014006e+00
## ENSG00000143811 7.164219e+02    0.4369368850 0.10886129  4.013703e+00
## ENSG00000143815 5.533036e+02    0.0146366037 0.31052597  4.713488e-02
## ENSG00000143816 1.258735e+02    -0.0258972229 0.31247221 -8.287848e-02
## ENSG00000143819 2.424484e+03    -0.1662179686 0.17715236 -9.382769e-01
## ENSG00000143839 1.915642e+00    -1.0924859295 1.63279276 -6.690904e-01
## ENSG00000143842 2.014556e+02    0.2125746090 0.22413586  9.484186e-01

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## ENSG00000143845 2.880721e+02    0.2218708722 0.28707803 7.728591e-01
## ENSG00000143847 4.699575e+02   -0.5756432371 0.44129119 -1.304452e+00
## ENSG00000143850 6.429102e+02   -0.8335284888 0.50203075 -1.660314e+00
## ENSG00000143851 1.046467e+01    0.5778937235 0.62705397 9.216013e-01
## ENSG00000143858 4.953796e+00   -0.3248790121 0.81495337 -3.986474e-01
## ENSG00000143862 5.249607e+02    0.2601438040 0.15065535 1.726748e+00
## ENSG00000143867 8.903077e+02    0.0718362372 0.29229928 2.457626e-01
## ENSG00000143869 3.215433e+02    1.8139382416 0.41660719 4.354073e+00
## ENSG00000143870 5.131562e+03   -0.0460179210 0.16710039 -2.753909e-01
## ENSG00000143878 3.361817e+03    1.2144771918 0.17461900 6.955012e+00
## ENSG00000143882 1.885016e+01    0.2426090034 0.40753775 5.953044e-01
## ENSG00000143889 6.912757e+02   -0.2984708315 0.15314503 -1.948942e+00
## ENSG00000143891 5.220254e+02   -1.1339949261 0.14033118 -8.080848e+00
## ENSG00000143919 9.314067e+01   -0.1073200158 0.19710955 -5.444689e-01
## ENSG00000143921 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000143924 9.700655e+02   -0.2273906835 0.17934370 -1.267905e+00
## ENSG00000143933 6.260535e+03    0.0488639545 0.18440451 2.649824e-01
## ENSG00000143942 1.398168e+01    1.0308176677 0.46771367 2.203950e+00
## ENSG00000143947 7.839226e+03    0.0621109198 0.22068343 2.814480e-01
## ENSG00000143951 2.211157e+02   -0.1527648779 0.15032323 -1.016243e+00
## ENSG00000143952 6.229032e+02    0.0209580752 0.15383387 1.362384e-01
## ENSG00000143954 0.000000e+00      NA          NA          NA
## ENSG00000143970 1.534057e+03   -0.1271555020 0.22504965 -5.650109e-01
## ENSG00000143971 4.456940e+02    0.2352357888 0.09837767 2.391150e+00
## ENSG00000143977 4.202128e+02    0.1419622451 0.16042271 8.849261e-01
## ENSG00000143994 2.179692e+01    0.2011306758 0.46959755 4.283044e-01
## ENSG00000143995 1.830855e+03   -0.2408713495 0.18027622 -1.336124e+00
## ENSG00000144010 1.385381e+00   3.1338946612 3.21594975 9.744850e-01
## ENSG00000144015 1.110414e+00   3.6853290032 3.42091755 1.077293e+00
## ENSG00000144021 1.188117e+03   -0.0997528804 0.09840305 -1.013717e+00
## ENSG00000144026 2.808782e+02   -0.3533405421 0.16766481 -2.107422e+00
## ENSG00000144028 4.429918e+03   -0.1946450166 0.07928092 -2.455131e+00
## ENSG00000144029 6.500689e+02    0.1674883803 0.14650720 1.143209e+00
## ENSG00000144031 6.458971e+01    0.2916787589 0.29226673 9.979882e-01
## ENSG00000144034 1.405144e+02   -0.3046361765 0.17654778 -1.725517e+00
## ENSG00000144035 3.441384e-01   -0.5086481446 3.35219545 -1.517358e-01
## ENSG00000144036 1.500285e+03   -0.3023726639 0.10387846 -2.910831e+00
## ENSG00000144040 2.511433e+02   -0.4670101725 0.19900418 -2.346735e+00
## ENSG00000144043 3.474961e+03    0.1082916389 0.13147594 8.236613e-01
## ENSG00000144045 2.855509e-01   0.6955464566 3.52545350 1.972928e-01
## ENSG00000144048 3.992690e+02    0.0368583550 0.14215411 2.592845e-01
## ENSG00000144057 5.316941e+00   -0.9978803401 0.82018663 -1.216650e+00
## ENSG00000144061 1.688181e+02   -0.3159231541 0.20979408 -1.505873e+00
## ENSG00000144063 9.576336e+01   -1.2549609060 0.49708882 -2.524621e+00
## ENSG00000144115 5.143474e+02    0.2310427067 0.43517147 5.309234e-01
## ENSG00000144118 1.113539e+03   0.1956589163 0.10361965 1.888242e+00
## ENSG00000144119 0.000000e+00      NA          NA          NA
## ENSG00000144120 6.165842e+01   -0.7264039012 0.25290739 -2.872213e+00
## ENSG00000144130 0.000000e+00      NA          NA          NA
## ENSG00000144134 3.124827e+02   -0.0953273953 0.13866714 -6.874548e-01
## ENSG00000144136 6.971933e+02   -0.4965933246 0.13150178 -3.776324e+00
## ENSG00000144152 5.094368e+01    0.3268030565 0.38395219 8.511556e-01
## ENSG00000144158 0.000000e+00      NA          NA          NA
## ENSG00000144161 1.247846e+02   -0.8817070546 0.32767357 -2.690809e+00

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## ENSG00000144182 6.297824e+01 -0.1451283550 0.27973458 -5.188073e-01
## ENSG00000144188 6.778304e-01 1.9624770000 3.45793653 5.675283e-01
## ENSG00000144191 3.782412e+01 -0.1291858312 2.14059254 -6.035050e-02
## ENSG00000144199 1.417373e+02 -0.1583590838 0.24294207 -6.518389e-01
## ENSG00000144214 8.387909e+00 0.1024454663 0.53809466 1.903856e-01
## ENSG00000144218 1.967872e+01 -0.0949937211 0.63581674 -1.494042e-01
## ENSG00000144224 3.071386e+03 -0.0250516519 0.08139972 -3.077609e-01
## ENSG00000144227 0.000000e+00 NA NA NA
## ENSG00000144228 4.840663e+02 0.4357021293 0.12972565 3.358643e+00
## ENSG00000144229 1.794770e-01 1.4168819359 3.52545357 4.019006e-01
## ENSG00000144230 1.486506e+01 1.2951292227 0.59538381 2.175285e+00
## ENSG00000144231 3.832307e+02 0.0351265826 0.14545528 2.414940e-01
## ENSG00000144233 6.952209e+02 0.3112784828 0.08303029 3.748975e+00
## ENSG00000144278 7.203263e+00 1.2554418784 1.30570049 9.615083e-01
## ENSG00000144283 1.374699e+03 0.0359826228 0.20435161 1.760819e-01
## ENSG00000144285 1.310723e+02 1.0284307721 0.95280554 1.079371e+00
## ENSG00000144290 1.914875e+00 0.4206263400 1.12532364 3.737826e-01
## ENSG00000144306 4.845380e+02 -0.3007959405 0.15895813 -1.892297e+00
## ENSG00000144320 1.903498e+03 0.0147341698 0.13800069 1.067688e-01
## ENSG00000144331 1.069685e+00 -1.2346538681 2.22769436 -5.542295e-01
## ENSG00000144339 2.210687e+01 -0.8779435141 0.48094480 -1.825456e+00
## ENSG00000144354 3.604332e+01 -0.0863383907 0.54736048 -1.577359e-01
## ENSG00000144355 3.220740e+00 -0.1945648900 1.08164121 -1.798793e-01
## ENSG00000144357 1.190277e+03 0.2267452916 0.19669287 1.152789e+00
## ENSG00000144362 1.006844e+02 1.4642296773 0.35383432 4.138179e+00
## ENSG00000144366 1.157924e+03 -0.2565046059 0.24668319 -1.039814e+00
## ENSG00000144369 1.283780e+03 -1.3090039161 0.11717254 -1.117159e+01
## ENSG00000144381 2.374010e+03 -0.1004267758 0.11302285 -8.885529e-01
## ENSG00000144395 3.775231e+01 0.2818749291 0.36520592 7.718247e-01
## ENSG00000144401 3.287844e+02 -0.0995120868 0.16256350 -6.121429e-01
## ENSG00000144406 9.926695e+01 -0.0439362865 0.23360618 -1.880784e-01
## ENSG00000144407 4.136636e+00 0.0368532225 0.90496364 4.072343e-02
## ENSG00000144410 4.670084e+00 -0.4647601049 0.76250800 -6.095151e-01
## ENSG00000144426 6.058110e+02 -0.0415196317 0.21343730 -1.945285e-01
## ENSG00000144445 4.259441e+02 0.2332988651 0.11660714 2.000725e+00
## ENSG00000144451 2.203985e+02 -0.0989619158 0.16805556 -5.888643e-01
## ENSG00000144452 4.182887e+00 -1.2502502988 0.93265258 -1.340532e+00
## ENSG00000144455 1.710300e+03 -0.0167565871 0.13442625 -1.246526e-01
## ENSG00000144460 2.191880e+00 -0.2265526128 1.13327790 -1.999091e-01
## ENSG00000144468 6.714815e+02 -0.1573243602 0.08716858 -1.804829e+00
## ENSG00000144476 1.460694e+03 -0.1758082337 0.32815041 -5.357550e-01
## ENSG00000144481 7.807102e+00 0.2840266756 0.98734556 2.876669e-01
## ENSG00000144485 2.694005e+01 0.4982853574 0.38106615 1.307609e+00
## ENSG00000144488 5.221862e+01 -0.9597596729 0.88363805 -1.086146e+00
## ENSG00000144504 1.462431e+02 -0.0959628962 0.19917163 -4.818101e-01
## ENSG00000144524 5.287047e+02 -0.3098130733 0.13316539 -2.326529e+00
## ENSG00000144535 2.531868e+02 0.1643752030 0.16883495 9.735851e-01
## ENSG00000144550 1.184522e+00 -2.7841878451 2.04907170 -1.358756e+00
## ENSG00000144554 6.620357e+01 0.4495843954 0.47077164 9.549946e-01
## ENSG00000144559 9.181222e+01 -0.1424773777 0.28263118 -5.041106e-01
## ENSG00000144560 9.142744e+02 -0.0211315274 0.15453928 -1.367389e-01
## ENSG00000144566 1.142036e+03 0.1151546734 0.12483754 9.224363e-01
## ENSG00000144567 2.523525e+03 -0.0658510607 0.12241070 -5.379518e-01
## ENSG00000144579 1.845418e+03 0.0041822880 0.11385559 3.673327e-02

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## ENSG00000144580 5.381408e+02    0.0430076054 0.12954647 3.319859e-01
## ENSG00000144583 2.017680e+02    0.7315304001 0.37891126 1.930611e+00
## ENSG00000144589 2.969067e+02    -0.0516696686 0.16893262 -3.058596e-01
## ENSG00000144591 6.980593e+02    -0.0026336451 0.17666292 -1.490774e-02
## ENSG00000144596 3.570766e+00    -1.7713635353 1.37568089 -1.287627e+00
## ENSG00000144597 3.213896e+02    0.1519162164 0.17325942 8.768136e-01
## ENSG00000144619 2.789640e+00    1.5875721296 1.46334643 1.084892e+00
## ENSG00000144635 6.220624e+02    -0.0067260679 0.12851807 -5.233558e-02
## ENSG00000144642 1.414238e+03    0.0990638094 0.14339534 6.908440e-01
## ENSG00000144644 3.998924e+01    -1.0254019252 0.35570685 -2.882716e+00
## ENSG00000144645 1.501520e+02    -0.1797641658 0.33100868 -5.430799e-01
## ENSG00000144647 6.115620e+02    0.1215397169 0.26521618 4.582666e-01
## ENSG00000144648 3.231989e+01    1.3562065430 0.53801725 2.520749e+00
## ENSG00000144649 1.506072e+02    0.9217206025 0.92172410 9.999962e-01
## ENSG00000144655 1.078335e+02    0.2521606277 0.26792063 9.411766e-01
## ENSG00000144659 4.786470e+02    0.1888807781 0.13183145 1.432744e+00
## ENSG00000144668 2.813632e+01    0.0091127147 0.48393134 1.883059e-02
## ENSG00000144671 2.855509e-01    0.6955464566 3.52545350 1.972928e-01
## ENSG00000144674 3.126069e+03    -0.1131519519 0.16581582 -6.823954e-01
## ENSG00000144677 9.530963e+02    0.1689553612 0.17480124 9.665570e-01
## ENSG00000144681 2.397656e+02    0.1906500148 0.49236548 3.872124e-01
## ENSG00000144711 1.185311e+03    -0.2199293135 0.16420633 -1.339347e+00
## ENSG00000144712 2.648090e+02    -0.0290776327 0.26016006 -1.117682e-01
## ENSG00000144713 1.221664e+04    -0.0874396799 0.17314721 -5.050020e-01
## ENSG00000144724 3.408075e+03    0.9054080763 0.18092497 5.004329e+00
## ENSG00000144730 8.238993e+02    -0.7657797020 0.47721216 -1.604694e+00
## ENSG00000144736 3.765996e+02    -0.4970941745 0.24413133 -2.036175e+00
## ENSG00000144741 1.398342e+02    0.1633252522 0.15858970 1.029860e+00
## ENSG00000144744 1.192946e+03    0.2033982000 0.12765654 1.593324e+00
## ENSG00000144746 5.784899e+03    0.5109715955 0.09364737 5.456337e+00
## ENSG00000144747 1.452745e+03    0.2843428905 0.14841229 1.915899e+00
## ENSG00000144749 1.425004e+03    0.0128583477 0.25919188 4.960938e-02
## ENSG00000144771 1.406409e+00    0.2870683750 1.71103440 1.677748e-01
## ENSG00000144785 1.141621e+02    0.3101740984 0.29479665 1.052163e+00
## ENSG00000144791 7.720190e+02    0.1904285622 0.15072955 1.263379e+00
## ENSG00000144792 3.027778e+01    0.1902944799 0.46284143 4.111440e-01
## ENSG00000144802 3.850399e+02    0.5083754667 0.23034340 2.207033e+00
## ENSG00000144810 3.477397e+03    0.7847921567 0.41496398 1.891230e+00
## ENSG00000144815 8.937608e+02    -0.1892497343 0.14332181 -1.320453e+00
## ENSG00000144820 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000144821 7.237290e+00    -0.0927502675 0.87811539 -1.056242e-01
## ENSG00000144824 1.792647e+03    -0.4171962026 0.13577047 -3.072805e+00
## ENSG00000144827 3.364867e+02    -0.7191158168 0.12200555 -5.894124e+00
## ENSG00000144834 6.579902e-01    -0.4729419448 2.95588061 -1.600004e-01
## ENSG00000144837 3.180363e+01    -0.7014447896 0.69124522 -1.014755e+00
## ENSG00000144840 3.991396e+02    0.0540929445 0.15658389 3.454566e-01
## ENSG00000144843 9.447727e+01    0.2760780858 0.23480127 1.175795e+00
## ENSG00000144847 1.312651e+00    0.2708037951 1.77253029 1.527781e-01
## ENSG00000144848 6.953217e+02    -0.1281629115 0.14284779 -8.971991e-01
## ENSG00000144852 7.896554e-01    2.2391653119 2.23854384 1.000278e+00
## ENSG00000144857 1.599694e+03    0.6542142410 0.30569007 2.140123e+00
## ENSG00000144867 6.302929e+02    0.1568386277 0.13210823 1.187198e+00
## ENSG00000144868 4.540259e+00    -0.0903930211 0.95027796 -9.512272e-02
## ENSG00000144891 1.182569e+02    1.2697292052 0.47462504 2.675226e+00

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```

## ENSG00000144893 2.818507e+01 -0.0890650192 0.55254639 -1.611901e-01
## ENSG00000144895 1.271924e+03 -0.0770939899 0.09072571 -8.497480e-01
## ENSG00000144908 8.945568e+00 1.1315770071 0.68862056 1.643252e+00
## ENSG00000144909 3.247213e+02 0.0355394990 0.13283710 2.675420e-01
## ENSG00000144935 4.886584e+02 -0.0317949298 0.18632419 -1.706431e-01
## ENSG00000144959 2.709561e+02 0.5463055065 0.24648411 2.216392e+00
## ENSG00000144962 0.000000e+00 NA NA NA
## ENSG00000145002 7.011269e+00 -0.1532435634 0.89531099 -1.711624e-01
## ENSG00000145012 5.096739e+03 0.4599797046 0.24923307 1.845581e+00
## ENSG00000145014 2.887925e+02 -0.3923717019 0.18365240 -2.136491e+00
## ENSG00000145016 4.205647e+02 0.2891640967 0.12661330 2.283837e+00
## ENSG00000145020 2.080663e+02 -0.3026302847 0.21465878 -1.409820e+00
## ENSG00000145022 5.714242e+02 0.3208667199 0.14677596 2.186099e+00
## ENSG00000145029 3.858368e+02 -0.1322598906 0.16802013 -7.871669e-01
## ENSG00000145040 1.431472e+01 0.8611096581 0.52467914 1.641212e+00
## ENSG00000145041 6.391719e+02 0.4170164025 0.11359748 3.671000e+00
## ENSG00000145050 7.203032e+02 0.3902685461 0.23759912 1.642550e+00
## ENSG00000145075 3.935696e+02 0.3166978579 0.24418546 1.296956e+00
## ENSG00000145087 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000145088 3.357299e+00 -1.6301958628 0.99863156 -1.632430e+00
## ENSG00000145103 1.355089e+00 -1.9809287720 1.79652160 -1.102647e+00
## ENSG00000145107 3.593744e+00 -0.7840941386 1.23827968 -6.332125e-01
## ENSG00000145113 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000145147 1.256404e+03 0.2931542362 0.25206514 1.163010e+00
## ENSG00000145191 5.871186e+02 0.2145072131 0.14181003 1.512638e+00
## ENSG00000145192 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000145194 2.395814e+01 0.8707656351 0.44650717 1.950172e+00
## ENSG00000145198 8.652549e-01 1.4921783751 2.24857251 6.636114e-01
## ENSG00000145214 4.607636e+02 0.2535656641 0.25154063 1.008051e+00
## ENSG00000145216 8.502175e+02 -0.1359220326 0.16655928 -8.160580e-01
## ENSG00000145217 8.589624e+01 -0.6453878471 0.29158229 -2.213399e+00
## ENSG00000145220 1.432267e+02 0.1982889957 0.15363430 1.290656e+00
## ENSG00000145241 3.229556e+02 -0.2219896165 0.18524783 -1.198339e+00
## ENSG00000145242 3.035418e+01 -1.4613675594 0.49635528 -2.944197e+00
## ENSG00000145244 1.867169e+02 1.7986691356 0.34850059 5.161165e+00
## ENSG00000145246 9.876130e+02 -0.0096310575 0.22501053 -4.280270e-02
## ENSG00000145247 1.440142e+02 -0.0201509882 0.34243241 -5.884661e-02
## ENSG00000145248 6.442615e-01 -0.1717534954 2.43846194 -7.043518e-02
## ENSG00000145283 5.952998e+00 -0.9938487744 0.91640751 -1.084505e+00
## ENSG00000145284 5.598852e+02 0.0813603952 0.18079620 4.500116e-01
## ENSG00000145287 6.349831e+00 -0.1956024816 0.69311358 -2.822084e-01
## ENSG00000145293 4.148985e+02 -0.0621339319 0.17115643 -3.630242e-01
## ENSG00000145309 0.000000e+00 NA NA NA
## ENSG00000145321 0.000000e+00 NA NA NA
## ENSG00000145331 6.786435e+01 -0.2412389088 0.33678596 -7.162974e-01
## ENSG00000145332 3.346128e+02 0.3390008447 0.25482958 1.330304e+00
## ENSG00000145335 5.847598e+01 0.3567636093 0.63693934 5.601218e-01
## ENSG00000145337 3.705214e+02 0.4219277491 0.40691943 1.036883e+00
## ENSG00000145348 1.439535e+03 0.0371814632 0.14401687 2.581744e-01
## ENSG00000145349 4.147825e+03 0.2181002864 0.12708457 1.716182e+00
## ENSG00000145354 3.604102e+02 0.2377862762 0.10740789 2.213862e+00
## ENSG00000145358 3.863787e+01 -1.0704437128 0.37090776 -2.886011e+00
## ENSG00000145362 2.030167e+03 -1.0365899592 0.23346887 -4.439949e+00
## ENSG00000145365 1.136360e+02 -0.3575520468 0.23265981 -1.536802e+00

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## ENSG00000145375 9.554323e+01    0.2398584366 0.25551600 9.387218e-01
## ENSG00000145384 3.356154e+00    0.6672854501 0.93667178 7.124005e-01
## ENSG00000145386 1.943914e+02    1.0165299510 0.25202219 4.033494e+00
## ENSG00000145388 5.224737e+02    -0.0242292245 0.11920192 -2.032620e-01
## ENSG00000145390 8.772651e+03    2.3806750236 0.59779020 3.982459e+00
## ENSG00000145391 4.221917e+03    0.1225990576 0.08071391 1.518933e+00
## ENSG00000145414 1.545679e+02    -0.0098876601 0.18031606 -5.483516e-02
## ENSG00000145416 4.774491e+01    -0.1898038137 0.31270510 -6.069738e-01
## ENSG00000145423 5.414926e+01    -1.4276253065 1.01082836 -1.412332e+00
## ENSG00000145425 1.716331e+04    -0.0046794757 0.16243551 -2.880821e-02
## ENSG00000145428 1.690382e+01    -0.6001240193 0.80550384 -7.450294e-01
## ENSG00000145431 1.030092e+03    -0.8290615753 0.20297334 -4.084584e+00
## ENSG00000145439 2.740094e+02    0.2772692511 0.14846656 1.867554e+00
## ENSG00000145451 2.988040e+00    -0.6790148356 1.08442543 -6.261517e-01
## ENSG00000145476 6.172838e+02    0.0492837106 0.22789910 2.162523e-01
## ENSG00000145491 3.330238e+00    -1.7373894724 1.07120567 -1.621901e+00
## ENSG00000145494 4.665594e+02    -0.1054366155 0.16579018 -6.359642e-01
## ENSG00000145495 2.553118e+03    -0.0289100010 0.10637005 -2.717870e-01
## ENSG00000145506 7.982550e+01    1.3771098868 0.54397921 2.531549e+00
## ENSG00000145526 1.188653e+01    -0.7815649903 0.88905877 -8.790926e-01
## ENSG00000145536 3.112492e+00    -1.6651193081 0.97267756 -1.711892e+00
## ENSG00000145545 4.922193e+02    0.1242356673 0.11954716 1.039219e+00
## ENSG00000145555 7.907029e+03    0.2049153700 0.28307112 7.239007e-01
## ENSG00000145569 2.939212e+01    2.7821299617 0.84468114 3.293704e+00
## ENSG00000145592 1.221482e+04    -0.0262931690 0.15845757 -1.659319e-01
## ENSG00000145604 6.241300e+02    0.8874865757 0.24749195 3.585921e+00
## ENSG00000145623 6.411458e+03    0.4917591129 0.17289138 2.844324e+00
## ENSG00000145626 2.723303e-01    -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000145632 5.179108e+02    -0.8785939179 0.25980641 -3.381725e+00
## ENSG00000145642 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000145649 0.000000e+00    NA        NA        NA
## ENSG00000145675 3.405451e+03    1.4473404034 0.24631612 5.875947e+00
## ENSG00000145681 1.016443e+03    0.4107795576 0.91371828 4.495692e-01
## ENSG00000145685 2.024861e+03    -1.1706331792 0.16880015 -6.935025e+00
## ENSG00000145687 7.635524e+02    -0.5621745412 0.16464575 -3.414449e+00
## ENSG00000145692 6.008670e+00    0.0194848904 0.70321305 2.770837e-02
## ENSG00000145700 7.932894e+00    -0.6242663889 0.84970960 -7.346820e-01
## ENSG00000145703 8.175917e+01    -0.6374407357 0.39149025 -1.628242e+00
## ENSG00000145708 4.089051e-01    -1.0144115991 3.19664340 -3.173365e-01
## ENSG00000145715 1.445326e+03    -0.1471633063 0.10563819 -1.393088e+00
## ENSG00000145721 1.493811e+00    -2.1586907573 2.12154777 -1.017507e+00
## ENSG00000145723 8.069654e+01    -0.1468343389 0.28423888 -5.165878e-01
## ENSG00000145725 1.131822e+03    -0.1909894649 0.21576985 -8.851536e-01
## ENSG00000145730 1.207095e+04    0.1225350781 0.19234844 6.370474e-01
## ENSG00000145734 1.003995e+02    1.2540008774 0.42504896 2.950250e+00
## ENSG00000145736 1.054100e+02    0.2325423828 0.48006377 4.843989e-01
## ENSG00000145740 1.226105e+03    0.2489767281 0.11372908 2.189209e+00
## ENSG00000145741 5.418805e+03    0.0578834619 0.10038992 5.765864e-01
## ENSG00000145743 5.354527e+02    0.0992057346 0.16422872 6.040706e-01
## ENSG00000145757 2.397168e+01    0.8627298444 0.48521520 1.778036e+00
## ENSG00000145777 1.523446e+02    -2.7154178941 0.28851333 -9.411759e+00
## ENSG00000145779 1.366541e+03    0.3716747004 0.18074667 2.056329e+00
## ENSG00000145780 5.975689e+02    -0.0954629721 0.14307171 -6.672386e-01
## ENSG00000145781 2.150777e+02    -0.0078231747 0.14401359 -5.432248e-02

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## ENSG00000145782 1.419219e+03    0.0822917808 0.11783897  6.983409e-01
## ENSG00000145794 5.452085e+00    0.0438393565 1.96373483  2.232448e-02
## ENSG00000145808 4.729248e+00    -1.7518652587 1.13410382 -1.544713e+00
## ENSG00000145817 1.979125e+03    -0.3041959087 0.21600634 -1.408273e+00
## ENSG00000145819 4.759928e+02    -0.1288271998 0.22007520 -5.853781e-01
## ENSG00000145824 5.314147e+00    0.3979062471 1.09181933  3.644433e-01
## ENSG00000145826 6.020362e+00    -0.1844645811 0.77330174 -2.385415e-01
## ENSG00000145832 1.084256e+00    -1.5271670679 1.80359380 -8.467356e-01
## ENSG00000145833 1.229823e+03    0.2020304865 0.10773678  1.875223e+00
## ENSG00000145835 0.000000e+00      NA        NA        NA
## ENSG00000145839 0.000000e+00      NA        NA        NA
## ENSG00000145850 0.000000e+00      NA        NA        NA
## ENSG00000145860 1.076477e+03    0.2801804069 0.22683110  1.235194e+00
## ENSG00000145861 9.365939e+01    -1.0135124791 0.34602409 -2.929023e+00
## ENSG00000145863 0.000000e+00      NA        NA        NA
## ENSG00000145864 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000145868 8.869659e+02    0.1223899862 0.17672903  6.925290e-01
## ENSG00000145879 6.507344e-01    -2.7311748408 3.43900761 -7.941753e-01
## ENSG00000145882 1.665148e+02    0.1312966219 0.27332182  4.803737e-01
## ENSG00000145888 1.036101e+00    0.4209667693 1.64329002  2.561731e-01
## ENSG00000145901 2.605132e+03    0.6385678758 0.12824489  4.979285e+00
## ENSG00000145907 2.927421e+03    0.1765719048 0.10580638  1.668821e+00
## ENSG00000145908 1.323948e+02    -0.4630533779 0.41043221 -1.128209e+00
## ENSG00000145911 6.559135e+01    -1.3387615691 0.36891490 -3.628917e+00
## ENSG00000145912 5.630249e+02    0.0236996730 0.15013165  1.578593e-01
## ENSG00000145916 4.758120e+02    -0.3006126740 0.15545866 -1.933715e+00
## ENSG00000145919 1.103716e+03    -0.1899555117 0.17090185 -1.111489e+00
## ENSG00000145920 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000145934 1.490163e+01    0.6961468354 0.92315705  7.540936e-01
## ENSG00000145936 1.265731e+01    0.4567078752 0.49705261  9.188321e-01
## ENSG00000145945 1.261942e+02    0.2958771803 0.21471235  1.378017e+00
## ENSG00000145949 5.375412e+01    0.5618644926 0.37528223  1.497179e+00
## ENSG00000145975 9.562551e-01    0.1376307741 1.88161396  7.314506e-02
## ENSG00000145979 1.340831e+02    -0.0123858198 0.21842632 -5.670480e-02
## ENSG00000145982 1.505429e+02    0.1093497254 0.16573338  6.597930e-01
## ENSG00000145990 1.703802e+02    0.4252068639 0.30189757  1.408447e+00
## ENSG00000145996 1.999660e+02    -0.2933480974 0.16165921 -1.814608e+00
## ENSG00000146001 1.265607e+01    -0.2718912700 0.69724233 -3.899523e-01
## ENSG00000146005 2.324553e+00    0.2732627775 1.05263035  2.595999e-01
## ENSG00000146006 7.063100e+01    -4.0037698069 0.54420083 -7.357155e+00
## ENSG00000146007 1.245796e+03    -0.0483913366 0.12415611 -3.897620e-01
## ENSG00000146013 0.000000e+00      NA        NA        NA
## ENSG00000146021 7.756328e+01    -0.2851863100 0.28632868 -9.960103e-01
## ENSG00000146038 7.408521e+00    -1.9014201262 0.85077551 -2.234926e+00
## ENSG00000146039 2.427115e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000146047 0.000000e+00      NA        NA        NA
## ENSG00000146049 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000146054 3.342371e+01    0.5282900376 0.39215755  1.347137e+00
## ENSG00000146063 9.698646e+02    0.3283653005 0.11046304  2.972626e+00
## ENSG00000146066 6.686117e+02    -0.0485412985 0.12254680 -3.961042e-01
## ENSG00000146067 9.431773e+02    -0.2378347235 0.14458861 -1.644906e+00
## ENSG00000146070 8.602399e-01    -0.9259576450 2.23415668 -4.144551e-01
## ENSG00000146072 1.780598e+03    -0.1295740756 0.18453996 -7.021464e-01
## ENSG00000146083 3.890464e+02    -0.0511897593 0.13860739 -3.693148e-01

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## ENSG00000146085 9.524665e+02    0.2461461133 0.17101628  1.439314e+00
## ENSG00000146090 4.084954e-01   -2.0470569962 3.47229166 -5.895406e-01
## ENSG00000146094 5.422023e+01    0.7919774138 0.43112575  1.836999e+00
## ENSG00000146109 2.474372e+02    0.1024943264 0.12496795  8.201649e-01
## ENSG00000146112 8.840049e+02   -0.0876671582 0.11249449 -7.793018e-01
## ENSG00000146122 2.629508e+03    1.6427745446 0.26522979  6.193778e+00
## ENSG00000146143 4.120261e+02   -0.3731843208 0.15429963 -2.418569e+00
## ENSG00000146147 3.559020e+00    2.1049875047 1.18871664  1.770807e+00
## ENSG00000146151 2.781809e+00    0.2260766374 1.70391136  1.326810e-01
## ENSG00000146166 4.300149e+00    0.1218164256 0.80178619  1.519313e-01
## ENSG00000146192 7.304923e+00   -0.0461551071 0.69136094 -6.675978e-02
## ENSG00000146197 1.616804e+02    0.1772788281 0.60103741  2.949547e-01
## ENSG00000146205 2.106553e+01   -0.1834000035 0.61126999 -3.000311e-01
## ENSG00000146215 3.815132e-01   -0.5513722608 3.26201266 -1.690282e-01
## ENSG00000146216 6.142002e-01    1.8117367096 2.36117740  7.673022e-01
## ENSG00000146221 1.002472e+01   -0.1297023577 0.65282860 -1.986775e-01
## ENSG00000146223 2.337243e+03    0.0811755316 0.12089211  6.714709e-01
## ENSG00000146232 9.262346e+01   -0.2715868202 0.28528237 -9.519930e-01
## ENSG00000146233 1.307559e+02    0.7279605452 0.60162879  1.209983e+00
## ENSG00000146242 8.993098e+02   -0.4149290555 0.15884292 -2.612197e+00
## ENSG00000146243 1.393152e+02   -0.3491298590 0.29204980 -1.195446e+00
## ENSG00000146247 1.611465e+03   -0.4562122048 0.10358136 -4.404385e+00
## ENSG00000146250 3.138211e+02   -2.6961985802 0.34970226 -7.709983e+00
## ENSG00000146263 2.253458e+02   -0.5379463638 0.14390459 -3.738215e+00
## ENSG00000146267 5.784043e+00   -0.2617723357 0.90904111 -2.879653e-01
## ENSG00000146276 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000146278 2.248843e+03    0.4748504213 0.14549703  3.263643e+00
## ENSG00000146281 4.225886e+02    0.6053361787 0.13567149  4.461779e+00
## ENSG00000146282 9.913089e+02    0.1109058963 0.11283298  9.829209e-01
## ENSG00000146285 2.168642e+00   -1.0344045355 1.26448377 -8.180449e-01
## ENSG00000146350 1.700864e+02    0.0214131014 0.24249749  8.830236e-02
## ENSG00000146352 2.020819e+00    0.5507764534 1.59389417  3.455540e-01
## ENSG00000146360 0.0000000e+00      NA          NA          NA
## ENSG00000146373 8.479710e+02    0.5537002725 0.18465157  2.998622e+00
## ENSG00000146374 1.003507e+02    0.1787330882 0.34101003  5.241285e-01
## ENSG00000146376 4.491143e+02    0.3047830394 0.14082872  2.164211e+00
## ENSG00000146378 0.0000000e+00      NA          NA          NA
## ENSG00000146383 0.0000000e+00      NA          NA          NA
## ENSG00000146385 0.0000000e+00      NA          NA          NA
## ENSG00000146386 1.684130e+02    0.5749564977 0.28634549  2.007912e+00
## ENSG00000146399 0.0000000e+00      NA          NA          NA
## ENSG00000146409 1.703243e+02   -0.7069773713 0.20936249 -3.376810e+00
## ENSG00000146410 1.548548e+01    0.4845558545 0.57229480  8.466892e-01
## ENSG00000146411 1.030224e+03   -0.9003303803 0.18152196 -4.959898e+00
## ENSG00000146414 5.738660e+02   -0.3000077679 0.17540845 -1.710338e+00
## ENSG00000146416 6.114870e+02   -0.3701118196 0.13655735 -2.710303e+00
## ENSG00000146425 7.732749e+02   -0.0733662282 0.10777750 -6.807194e-01
## ENSG00000146426 2.634242e+02    0.2117529980 0.22310634  9.491124e-01
## ENSG00000146433 1.609045e+03    0.2957362393 0.09083969  3.255584e+00
## ENSG00000146453 8.746784e-01   -0.1518096682 2.27047623 -6.686248e-02
## ENSG00000146457 1.497176e+03    0.0211374669 0.15156754  1.394591e-01
## ENSG00000146463 1.620002e+03    0.0626809591 0.21868846  2.866222e-01
## ENSG00000146469 1.315182e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000146476 6.236432e+02    0.2460634024 0.11555159  2.129468e+00

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## ENSG00000146477 7.776197e+00    1.3965636792 1.13905484 1.226072e+00
## ENSG00000146530 2.776034e-01    1.7547236597 3.51383760 4.993753e-01
## ENSG00000146535 2.962459e+03    0.3857091257 0.10984625 3.511354e+00
## ENSG00000146540 3.103985e+02   -0.1261329910 0.22046694 -5.721175e-01
## ENSG00000146555 9.388359e+02   -0.4232123723 0.40276081 -1.050778e+00
## ENSG00000146556 4.249543e+02   -0.2149853785 0.16237619 -1.323996e+00
## ENSG00000146574 4.127074e+02    0.2543067307 0.18121956 1.403307e+00
## ENSG00000146576 2.953429e+02   -0.0677740899 0.15742735 -4.305103e-01
## ENSG00000146587 3.880474e+02    0.1434651576 0.14596649 9.828637e-01
## ENSG00000146592 6.949760e+02   -2.0498109617 0.24122806 -8.497399e+00
## ENSG00000146618 0.000000e+00      NA          NA          NA
## ENSG00000146648 4.957933e+03   -0.2128434651 0.11970498 -1.778067e+00
## ENSG00000146670 4.002748e+01   -0.0838373824 0.40976331 -2.045995e-01
## ENSG00000146674 3.610757e+03    0.2110901092 0.34879517 6.051979e-01
## ENSG00000146676 9.937833e+02    0.1131958510 0.08453094 1.339106e+00
## ENSG00000146677 1.238978e+00    0.1354185869 1.65041532 8.205122e-02
## ENSG00000146678 3.178114e-01    1.7508468609 3.51408558 4.982368e-01
## ENSG00000146700 7.066637e+00   -0.4001616278 0.63460263 -6.305704e-01
## ENSG00000146701 1.838218e+03    0.1442986287 0.14758137 9.777564e-01
## ENSG00000146707 1.015088e+02   -0.2234204000 0.19784167 -1.129289e+00
## ENSG00000146722 4.799032e+00    0.1388169415 0.82808333 1.676364e-01
## ENSG00000146729 6.647738e+02   -0.0363522196 0.11167971 -3.255043e-01
## ENSG00000146731 1.808052e+03    0.1557128969 0.10541849 1.477093e+00
## ENSG00000146733 2.069376e+02   -0.0956652843 0.29838179 -3.206137e-01
## ENSG00000146755 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000146757 9.211559e+01   -0.1250763115 0.20917772 -5.979428e-01
## ENSG00000146776 2.540054e+02   -0.2953178438 0.14943431 -1.976239e+00
## ENSG00000146802 6.841673e+02   -0.1571573388 0.16308326 -9.636632e-01
## ENSG00000146809 7.582463e-01    2.1240661067 2.79378205 7.602834e-01
## ENSG00000146826 2.251787e+02    0.0873275711 0.25691519 3.399082e-01
## ENSG00000146828 5.415794e+02    0.3863002131 0.19410346 1.990177e+00
## ENSG00000146830 1.649723e+03    0.2366276069 0.17109926 1.382984e+00
## ENSG00000146833 9.081948e+02   -0.1449944385 0.13327965 -1.087896e+00
## ENSG00000146834 9.679604e+02   -0.0293330324 0.12469450 -2.352392e-01
## ENSG00000146839 0.000000e+00      NA          NA          NA
## ENSG00000146842 3.122912e+02   -0.1105473463 0.23771577 -4.650400e-01
## ENSG00000146856 3.594965e+01   -0.1888950931 0.44680098 -4.227723e-01
## ENSG00000146857 0.000000e+00      NA          NA          NA
## ENSG00000146858 1.330800e+02    0.3708033491 0.29469333 1.258269e+00
## ENSG00000146859 1.129801e+03    0.0962988774 0.15989263 6.022721e-01
## ENSG00000146872 8.326311e+02    0.0805348979 0.09217835 8.736856e-01
## ENSG00000146904 2.484154e+01    0.3439771236 0.41019135 8.385772e-01
## ENSG00000146909 3.896961e+02    0.1867576459 0.20594722 9.068229e-01
## ENSG00000146910 0.000000e+00      NA          NA          NA
## ENSG00000146918 2.771187e+02   -0.0644381929 0.17305797 -3.723503e-01
## ENSG00000146926 0.000000e+00      NA          NA          NA
## ENSG00000146938 1.596854e+02    0.7873996038 1.44213404 5.459961e-01
## ENSG00000146950 6.648922e+01    1.2042093773 0.59693956 2.017305e+00
## ENSG00000146955 0.000000e+00      NA          NA          NA
## ENSG00000146963 1.243919e+03   -0.0751919808 0.13429804 -5.598889e-01
## ENSG00000146966 2.685887e+03    0.4684249190 0.11173062 4.192449e+00
## ENSG00000147003 6.698294e+00   -0.2604480779 0.71518898 -3.641668e-01
## ENSG00000147010 1.572725e+03   -0.0557779340 0.16117185 -3.460774e-01
## ENSG00000147027 1.275655e+04    1.1679238882 0.26664447 4.380079e+00

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## ENSG00000147036 8.780701e+00 -0.0775813898 1.08508888 -7.149773e-02
## ENSG00000147041 1.124178e+01 -1.8141710633 0.86938721 -2.086724e+00
## ENSG00000147044 9.606375e+02 -0.4233717975 0.15887596 -2.664795e+00
## ENSG00000147050 4.266844e+02 -0.2345224230 0.19104999 -1.227545e+00
## ENSG00000147059 4.021309e+01 -0.4320317200 0.35390134 -1.220769e+00
## ENSG00000147065 1.041388e+04 0.0406961391 0.12884298 3.158584e-01
## ENSG00000147081 0.000000e+00 NA NA NA
## ENSG00000147082 5.464051e+00 -1.1051665181 0.88001771 -1.255846e+00
## ENSG00000147099 2.581677e+02 0.0818326708 0.12864579 6.361084e-01
## ENSG00000147100 1.313384e+03 -0.4435831748 0.09105458 -4.871618e+00
## ENSG00000147113 4.326359e+00 -0.1813328900 0.77824893 -2.330011e-01
## ENSG00000147117 4.167537e+00 -0.6360082904 0.78472102 -8.104897e-01
## ENSG00000147118 1.535046e+02 -0.0895036832 0.16345242 -5.475825e-01
## ENSG00000147119 4.569514e+02 1.5728824611 0.21188446 7.423303e+00
## ENSG00000147121 2.267620e+02 -0.0661922103 0.14233823 -4.650346e-01
## ENSG00000147123 6.599141e+02 -0.0971620752 0.13575562 -7.157131e-01
## ENSG00000147124 2.305512e+02 -0.0977868522 0.14236966 -6.868518e-01
## ENSG00000147127 5.842792e+00 0.2362181130 0.77918631 3.031600e-01
## ENSG00000147130 1.012765e+03 -0.5433308966 0.09538763 -5.696031e+00
## ENSG00000147133 1.214804e+03 0.1162705865 0.12139830 9.577612e-01
## ENSG00000147138 0.000000e+00 NA NA NA
## ENSG00000147140 5.096400e+03 -0.4511966193 0.12015311 -3.755181e+00
## ENSG00000147144 1.028563e+02 -0.2989473151 0.40653695 -7.353509e-01
## ENSG00000147145 4.228015e+01 0.2774642308 0.41004739 6.766638e-01
## ENSG00000147155 1.025931e+02 -0.2041471575 0.17387707 -1.174089e+00
## ENSG00000147160 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000147162 5.711897e+03 0.0377508986 0.10383430 3.635687e-01
## ENSG00000147164 1.496665e+03 -0.0850018423 0.09550511 -8.900240e-01
## ENSG00000147166 2.422608e+00 -0.9579432053 1.21127320 -7.908564e-01
## ENSG00000147168 3.070813e+00 -0.4468119729 1.20093459 -3.720535e-01
## ENSG00000147174 2.989309e+01 0.0253003860 0.36118892 7.004751e-02
## ENSG00000147180 1.872626e+01 -0.7710599735 0.58884554 -1.309444e+00
## ENSG00000147183 0.000000e+00 NA NA NA
## ENSG00000147202 1.304383e+03 0.6658413538 0.18331709 3.632184e+00
## ENSG00000147206 5.480784e-01 -1.5194397133 2.96878200 -5.118058e-01
## ENSG00000147223 1.234876e+00 0.0460929768 1.87001788 2.464842e-02
## ENSG00000147224 6.034080e+02 -0.4687496410 0.19339727 -2.423766e+00
## ENSG00000147231 4.240770e+01 -0.6955178000 0.51662235 -1.346279e+00
## ENSG00000147234 3.032675e+01 -1.0944576274 0.70518689 -1.552011e+00
## ENSG00000147246 2.760317e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000147251 2.085274e+03 0.4167126956 0.18742387 2.223370e+00
## ENSG00000147255 3.256739e+00 -0.6139182333 1.29493318 -4.740926e-01
## ENSG00000147256 0.000000e+00 NA NA NA
## ENSG00000147257 1.259572e+03 0.2171830383 0.88360078 2.457932e-01
## ENSG00000147262 0.000000e+00 NA NA NA
## ENSG00000147274 2.952198e+03 -0.5039986845 0.14633376 -3.444172e+00
## ENSG00000147316 2.867840e+02 -0.2063351049 0.13099362 -1.575154e+00
## ENSG00000147324 4.750396e+02 0.5863227241 0.23667328 2.477351e+00
## ENSG00000147364 5.098712e+02 -0.2192736777 0.15399319 -1.423918e+00
## ENSG00000147378 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000147381 0.000000e+00 NA NA NA
## ENSG00000147383 2.470358e+02 0.0987695743 0.15778719 6.259670e-01
## ENSG00000147394 1.456495e+02 0.1387671398 0.19300956 7.189651e-01
## ENSG00000147400 7.464286e+02 -0.2321234598 0.13122398 -1.768910e+00

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## ENSG00000147403 2.180513e+04    0.0606967145 0.20661325  2.937697e-01
## ENSG00000147408 7.685839e+02    0.6239899252 0.34992900  1.783190e+00
## ENSG00000147416 2.215457e+03    0.1698090993 0.12554829  1.352540e+00
## ENSG00000147419 9.453302e+02    -0.0568256268 0.16971088 -3.348378e-01
## ENSG00000147421 2.982611e+02    -0.2120998532 0.17229240 -1.231046e+00
## ENSG00000147432 0.000000e+00      NA          NA          NA
## ENSG00000147434 0.000000e+00      NA          NA          NA
## ENSG00000147437 9.867809e+01    0.4793113246 0.25857570  1.853660e+00
## ENSG00000147439 4.617461e+02    0.1560877917 0.13550758  1.151875e+00
## ENSG00000147443 5.337556e-01    -1.2757031972 3.03097963 -4.208881e-01
## ENSG00000147454 8.652106e+02    -0.3103677270 0.12568254 -2.469458e+00
## ENSG00000147457 6.914622e+02    0.1444133832 0.10397311  1.388949e+00
## ENSG00000147459 1.166482e+03    0.7117817157 0.17163643  4.147032e+00
## ENSG00000147465 1.003447e+01    -0.4930605417 0.76609635 -6.436012e-01
## ENSG00000147471 5.562582e+02    0.2603005038 0.15504075  1.678917e+00
## ENSG00000147475 1.732211e+03    -0.4046281750 0.14206696 -2.848151e+00
## ENSG00000147481 7.167570e-01    -1.8530700761 1.96925703 -9.409996e-01
## ENSG00000147485 1.525515e+00    1.7502819276 1.38642603  1.262442e+00
## ENSG00000147488 1.291345e+00    -2.8963777408 1.65817323 -1.746728e+00
## ENSG00000147509 8.524607e+01    -0.6112559783 0.29243097 -2.090257e+00
## ENSG00000147526 8.590208e+03    0.8612041810 0.14595218  5.900591e+00
## ENSG00000147533 9.790807e+02    -0.2492490403 0.14566504 -1.711111e+00
## ENSG00000147535 5.208300e+02    -0.1658410563 0.16033336 -1.034352e+00
## ENSG00000147536 1.200949e+02    -0.4732894408 0.29705486 -1.593273e+00
## ENSG00000147548 1.838886e+03    -0.1329409281 0.11144289 -1.192906e+00
## ENSG00000147570 2.658026e+00    -0.8997520583 1.14102023 -7.885505e-01
## ENSG00000147571 0.000000e+00      NA          NA          NA
## ENSG00000147573 2.963424e+00    -1.2675139297 1.15755757 -1.094990e+00
## ENSG00000147576 2.851654e+02    1.2164863188 0.34335137  3.542978e+00
## ENSG00000147586 1.593679e+02    0.0221980857 0.19870868  1.117117e-01
## ENSG00000147588 9.109999e-01    -0.0709505919 1.99830971 -3.550530e-02
## ENSG00000147592 3.708149e+02    0.5171736766 0.22456257  2.303027e+00
## ENSG00000147596 3.112404e+00    -0.2011435428 0.93955768 -2.140832e-01
## ENSG00000147601 6.386968e+02    -0.2760899208 0.11887050 -2.322611e+00
## ENSG00000147604 1.718125e+04    -0.0751698831 0.13898622 -5.408441e-01
## ENSG00000147606 9.548235e+00    0.5944509029 0.72576661  8.190662e-01
## ENSG00000147613 0.000000e+00      NA          NA          NA
## ENSG00000147614 5.830588e+00    0.1997914500 0.71650084  2.788433e-01
## ENSG00000147642 3.592334e+02    -0.3148756651 0.22799656 -1.381054e+00
## ENSG00000147647 4.998288e+00    -0.2563463143 0.83321975 -3.076575e-01
## ENSG00000147649 3.516809e+03    0.2886685603 0.16122518  1.790468e+00
## ENSG00000147650 5.697621e+02    -0.2228426014 0.23951887 -9.303760e-01
## ENSG00000147654 2.060602e+02    -0.1155362241 0.20418911 -5.658295e-01
## ENSG00000147655 1.584301e+02    -1.6514191240 0.52009756 -3.175210e+00
## ENSG00000147669 4.937778e+02    0.1014255944 0.12271975  8.264814e-01
## ENSG00000147676 1.486849e+00    -2.2848910239 1.65429336 -1.381189e+00
## ENSG00000147677 3.348724e+03    -0.0325143745 0.10519449 -3.090882e-01
## ENSG00000147679 4.243273e+02    0.2388234842 0.18881276  1.264869e+00
## ENSG00000147684 8.142602e+02    0.0981726016 0.11665287  8.415790e-01
## ENSG00000147687 2.813400e+02    0.0001419941 0.14008246  1.013646e-03
## ENSG00000147689 5.412052e+00    -0.3406308977 0.98621561 -3.453919e-01
## ENSG00000147697 1.851589e+00    -0.1628333924 1.59671341 -1.019803e-01
## ENSG00000147724 3.199740e+00    1.2179383401 1.11051142  1.096736e+00
## ENSG00000147789 3.200189e+02    -0.1060683284 0.13428633 -7.898669e-01

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## ENSG00000147799 8.489782e+01 -0.2039391409 0.27262026 -7.480704e-01
## ENSG00000147804 1.024821e+02 0.2291864797 0.20141419 1.137886e+00
## ENSG00000147813 1.869435e+02 0.4133641613 0.30392860 1.360070e+00
## ENSG00000147852 1.709163e+03 -0.3041118306 0.26118380 -1.164359e+00
## ENSG00000147853 2.500505e+03 0.0650126951 0.14692066 4.425020e-01
## ENSG00000147854 1.175858e+03 -0.1341143052 0.12286187 -1.091586e+00
## ENSG00000147862 1.009524e+03 -0.2208202395 0.16738212 -1.319258e+00
## ENSG00000147869 0.000000e+00 NA NA NA
## ENSG00000147872 3.157089e+03 0.1757387176 0.23148643 7.591750e-01
## ENSG00000147873 0.000000e+00 NA NA NA
## ENSG00000147874 6.328328e+02 0.3938377553 0.15107006 2.606987e+00
## ENSG00000147883 4.993327e+02 -1.4385347679 0.27171529 -5.294272e+00
## ENSG00000147885 0.000000e+00 NA NA NA
## ENSG00000147889 8.789951e+02 -0.3436519617 0.13135206 -2.616266e+00
## ENSG00000147894 7.334134e+01 0.4451749042 0.30674345 1.451294e+00
## ENSG00000147896 0.000000e+00 NA NA NA
## ENSG00000147905 4.120871e+02 -0.3389661948 0.16198840 -2.092534e+00
## ENSG00000147912 3.549026e+02 0.3423874507 0.15140822 2.261353e+00
## ENSG00000147955 1.192261e+03 0.0938520276 0.13899141 6.752362e-01
## ENSG00000147996 2.716598e+02 0.0897562964 0.23941770 3.748942e-01
## ENSG00000148019 3.174876e+02 -0.1755648321 0.15403515 -1.139771e+00
## ENSG00000148053 5.725717e+01 0.6010443840 0.47449564 1.266702e+00
## ENSG00000148057 6.515958e+01 -0.4238565994 0.32306664 -1.311979e+00
## ENSG00000148082 3.419305e+03 0.6824655493 0.21102931 3.233985e+00
## ENSG00000148090 2.346920e+02 -0.3193271793 0.21388591 -1.492979e+00
## ENSG00000148110 1.518053e+03 0.4228933684 0.11309865 3.739155e+00
## ENSG00000148120 6.774734e+02 1.2376382003 0.15099813 8.196381e+00
## ENSG00000148123 0.000000e+00 NA NA NA
## ENSG00000148136 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000148143 2.881677e+02 -0.0174956172 0.32482203 -5.386216e-02
## ENSG00000148153 4.008027e+02 -0.4140413829 0.22563744 -1.834985e+00
## ENSG00000148154 1.683066e+03 0.5929994277 0.33562138 1.766870e+00
## ENSG00000148156 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000148158 8.082503e+02 -0.4879614180 0.17788021 -2.743202e+00
## ENSG00000148175 1.349392e+04 1.4271682809 0.10038904 1.421638e+01
## ENSG00000148180 1.401687e+04 0.4944043490 0.16615500 2.975561e+00
## ENSG00000148187 4.066654e+02 -0.0606649721 0.17573853 -3.452002e-01
## ENSG00000148200 9.006122e+00 -0.4489418376 0.79334689 -5.658834e-01
## ENSG00000148204 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000148215 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000148218 1.709320e+03 -0.0156085512 0.14506427 -1.075975e-01
## ENSG00000148219 2.310831e+02 -0.5863703657 0.15923715 -3.682372e+00
## ENSG00000148225 1.729020e+02 -0.4028059170 0.21667734 -1.859013e+00
## ENSG00000148229 4.856595e+02 0.1494046763 0.13253407 1.127293e+00
## ENSG00000148248 2.691259e+03 0.1558218881 0.12194501 1.277805e+00
## ENSG00000148288 5.467497e+01 0.2353436785 0.36403611 6.464844e-01
## ENSG00000148290 2.134614e+02 -0.0010842839 0.19920563 -5.443039e-03
## ENSG00000148291 6.544253e+01 0.0807916849 0.23308277 3.466223e-01
## ENSG00000148296 3.073244e+02 0.1015937770 0.12652430 8.029586e-01
## ENSG00000148297 3.768050e+02 -0.1199772777 0.14750802 -8.133610e-01
## ENSG00000148300 2.727919e+02 -0.0378665612 0.14191743 -2.668211e-01
## ENSG00000148303 1.034499e+04 -0.0956065876 0.12746158 -7.500816e-01
## ENSG00000148308 6.640614e+02 -0.0017014511 0.12736099 -1.335928e-02
## ENSG00000148331 5.327999e+02 0.2200207178 0.09157630 2.402594e+00

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## ENSG00000148334 4.567269e+02    0.0127141423 0.20853186  6.096978e-02
## ENSG00000148335 3.405152e+02   -0.0018821910 0.11589090 -1.624106e-02
## ENSG00000148337 2.731146e+03   -0.0471405433 0.10245915 -4.600911e-01
## ENSG00000148339 3.613822e+02    0.5079351629 0.13835212  3.671322e+00
## ENSG00000148341 1.237175e+03   -0.2392934094 0.14267390 -1.677205e+00
## ENSG00000148343 5.901716e+02    0.4043651998 0.21402567  1.889330e+00
## ENSG00000148344 4.412224e+02   -0.8296352829 0.31571432 -2.627804e+00
## ENSG00000148346 0.000000e+00      NA          NA          NA
## ENSG00000148356 3.437005e+02   -0.4185461899 0.13436133 -3.115079e+00
## ENSG00000148357 3.960751e+00   -0.1914363443 1.09684290 -1.745340e-01
## ENSG00000148358 3.338692e+03    0.2526889841 0.12485737  2.023821e+00
## ENSG00000148362 1.838499e+02   -0.1561779212 0.21251071 -7.349179e-01
## ENSG00000148377 0.000000e+00      NA          NA          NA
## ENSG00000148384 3.495486e+02    0.2018398540 0.13519678  1.492934e+00
## ENSG00000148386 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000148396 2.669366e+03    0.2697468517 0.07385634  3.652318e+00
## ENSG00000148399 2.881624e+02   -0.2898392650 0.12613798 -2.297795e+00
## ENSG00000148400 2.510493e+02   -0.6910811803 0.24081645 -2.869742e+00
## ENSG00000148408 4.309054e+00   -1.5110363201 1.28509554 -1.175816e+00
## ENSG00000148411 1.271077e+03    0.3850165452 0.11737030  3.280357e+00
## ENSG00000148426 1.177915e+02    0.7374685461 0.34939296  2.110714e+00
## ENSG00000148429 3.522328e+02   -0.3122178232 0.11862116 -2.632059e+00
## ENSG00000148444 4.097933e+02   -0.1108840568 0.16966519 -6.535463e-01
## ENSG00000148450 3.789878e+02    0.0408757050 0.15129802  2.701668e-01
## ENSG00000148459 3.845515e+01    0.1742674518 0.36998185  4.710162e-01
## ENSG00000148468 5.482695e+02   -0.6932021294 0.17719245 -3.912143e+00
## ENSG00000148481 5.647254e+02    0.1082246617 0.14002416  7.728999e-01
## ENSG00000148482 3.182787e-01    1.9533382116 3.50190451  5.577931e-01
## ENSG00000148483 1.342164e+01    0.0427300856 0.45965465  9.296128e-02
## ENSG00000148484 2.621951e+03    0.2580709480 0.11867862  2.174536e+00
## ENSG00000148488 4.843475e+00   -0.2183944737 0.78322422 -2.788403e-01
## ENSG00000148498 9.225771e+02   -0.0777493843 0.15929673 -4.880790e-01
## ENSG00000148513 2.422390e-01   -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000148516 1.087067e+04    0.3856234761 0.19268309  2.001335e+00
## ENSG00000148541 1.573796e+02   -0.9656144015 0.53416999 -1.807691e+00
## ENSG00000148572 6.257733e+02   -0.1432795416 0.12087461 -1.185357e+00
## ENSG00000148584 1.946256e+00    1.3060632303 1.43667667  9.090864e-01
## ENSG00000148600 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000148602 0.000000e+00      NA          NA          NA
## ENSG00000148604 3.160788e+00    0.6800607378 1.03439195  6.574498e-01
## ENSG00000148606 5.936509e+02   -0.0875773859 0.10474248 -8.361210e-01
## ENSG00000148634 1.506390e+03    0.0088144958 0.09006283  9.787052e-02
## ENSG00000148655 4.998136e+01    0.0639038677 0.50675422  1.261043e-01
## ENSG00000148660 8.200696e+02   -0.1627903296 0.14842618 -1.096776e+00
## ENSG00000148671 2.817316e+02   -0.0619683835 0.38989781 -1.589349e-01
## ENSG00000148672 2.951375e+03    0.2885825290 0.07722368  3.736969e+00
## ENSG00000148677 5.210978e+00    3.8253980437 1.49844873  2.552906e+00
## ENSG00000148680 1.010549e+01    1.5639675430 0.93906780  1.665447e+00
## ENSG00000148688 3.349075e+02    0.0376167163 0.13553936  2.775335e-01
## ENSG00000148690 3.858268e+02    0.0319875600 0.17063976  1.874567e-01
## ENSG00000148700 5.405313e+03   -0.0739108149 0.12534263 -5.896702e-01
## ENSG00000148702 2.923671e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000148704 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000148719 1.093714e+03    0.3225485604 0.09422898  3.423029e+00

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```

## ENSG00000148730 3.327234e+03    0.7050104000 0.21067371 3.346456e+00
## ENSG00000148734 1.347647e+01   -0.0458778789 0.51719300 -8.870553e-02
## ENSG00000148735 5.002534e+00   -0.5114768085 0.74810914 -6.836928e-01
## ENSG00000148737 7.512672e+02    0.0449398433 0.14214712 3.161502e-01
## ENSG00000148773 8.777635e+01   -0.7419245182 0.39574161 -1.874770e+00
## ENSG00000148795 1.093458e+01   -0.9200978295 0.85033185 -1.082046e+00
## ENSG00000148798 8.999044e+00    0.3871089025 0.63914087 6.056707e-01
## ENSG00000148803 1.186593e+02   -0.0744458943 0.20808595 -3.577651e-01
## ENSG00000148814 2.158678e+02   -0.5401326529 0.21940040 -2.461858e+00
## ENSG00000148824 2.961433e+02    0.1629907148 0.17235075 9.456920e-01
## ENSG00000148826 2.760317e-01    1.5394092413 3.52295593 4.369652e-01
## ENSG00000148832 7.503400e+01    0.0209484804 0.22390408 9.356006e-02
## ENSG00000148834 1.230966e+03    0.4507057778 0.19795926 2.276760e+00
## ENSG00000148835 9.096763e+01    0.0408924239 0.22327576 1.831476e-01
## ENSG00000148840 6.133247e+02   -0.1382237937 0.16615836 -8.318799e-01
## ENSG00000148841 5.822839e+02    0.4911996317 0.15787826 3.111256e+00
## ENSG00000148842 4.132289e+02   -0.1766280845 0.12796459 -1.380289e+00
## ENSG00000148843 9.040626e+02    0.2948628611 0.14761938 1.997454e+00
## ENSG00000148848 1.381853e+03   -1.8699133975 0.25216841 -7.415336e+00
## ENSG00000148908 4.069310e+02   -0.6290839460 0.14923189 -4.215479e+00
## ENSG00000148925 5.089407e+02   -0.4033573098 0.13415241 -3.006709e+00
## ENSG00000148926 1.746565e+04    0.6478179099 0.17078319 3.793218e+00
## ENSG00000148935 6.488206e+00   -0.2366246513 0.65039445 -3.638171e-01
## ENSG00000148942 6.053192e+00    0.2863717076 0.75634109 3.786277e-01
## ENSG00000148943 4.184495e+02    0.1241912893 0.16621572 7.471693e-01
## ENSG00000148948 5.863703e+00    0.2851024704 1.26600454 2.251986e-01
## ENSG00000148950 6.985232e+01    0.3013091776 0.28771688 1.047242e+00
## ENSG00000148965 0.000000e+00      NA          NA          NA
## ENSG00000148985 2.750012e+02   -0.3943173902 0.14278215 -2.761671e+00
## ENSG00000149016 2.764640e+02   -0.0272228349 0.18800272 -1.448002e-01
## ENSG00000149021 0.000000e+00      NA          NA          NA
## ENSG00000149043 8.902934e-01    2.4656736670 2.74911819 8.968962e-01
## ENSG00000149050 7.467564e+01   -0.1442234302 0.20908792 -6.897741e-01
## ENSG00000149054 6.388181e+01    0.3275343353 0.32078379 1.021044e+00
## ENSG00000149084 1.298620e+03    0.0405290374 0.25653662 1.579854e-01
## ENSG00000149089 2.536701e+02    0.1175468020 0.13690878 8.585775e-01
## ENSG00000149090 6.388209e+03   -0.4101827881 0.12765170 -3.213297e+00
## ENSG00000149091 1.062815e+03   -0.3287152912 0.11992514 -2.741004e+00
## ENSG00000149100 2.029855e+03    0.0701472188 0.10805524 6.491792e-01
## ENSG00000149115 8.132753e+03    0.2513311174 0.13332456 1.885107e+00
## ENSG00000149124 2.760691e+00    0.2576816797 1.24017867 2.077779e-01
## ENSG00000149131 2.066434e+04    0.4601677322 0.29286860 1.571243e+00
## ENSG00000149133 0.000000e+00      NA          NA          NA
## ENSG00000149136 1.881055e+03    0.0478538513 0.15853420 3.018519e-01
## ENSG00000149150 5.761050e+02    0.2610119344 0.20720745 1.259665e+00
## ENSG00000149177 4.213253e+02    0.4368144952 0.18718174 2.333638e+00
## ENSG00000149179 4.022786e+02   -0.1152428097 0.16675645 -6.910846e-01
## ENSG00000149182 1.163235e+03    0.0593772088 0.12166438 4.880410e-01
## ENSG00000149187 1.421922e+03   -0.1334302424 0.10198706 -1.308306e+00
## ENSG00000149196 3.989264e+02    0.1172741920 0.12898143 9.092332e-01
## ENSG00000149201 9.024567e+00   -0.2072333949 0.64814501 -3.197331e-01
## ENSG00000149212 2.842635e+03   -0.5062208097 0.12989868 -3.897044e+00
## ENSG00000149218 2.046650e+03    1.9736549009 0.24948962 7.910770e+00
## ENSG00000149231 5.866448e+02    0.1866991905 0.14122568 1.321992e+00

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## ENSG00000149243 2.201256e+01    0.3718991161 0.63011763 5.902059e-01
## ENSG00000149256 6.897941e+02    -1.3372349935 0.39677561 -3.370255e+00
## ENSG00000149257 6.776180e+03    -0.6645183248 0.17073334 -3.892141e+00
## ENSG00000149260 1.399253e+03    -0.3975470049 0.18399828 -2.160602e+00
## ENSG00000149262 4.849222e+02    -0.2829688534 0.14118325 -2.004266e+00
## ENSG00000149269 1.094808e+03    -0.2296900346 0.18183392 -1.263186e+00
## ENSG00000149273 1.343722e+04    0.0028761019 0.25528428 1.126627e-02
## ENSG00000149289 4.023381e+02    0.5813568278 0.15783759 3.683260e+00
## ENSG00000149292 2.088202e+02    -0.2281060745 0.19413004 -1.175017e+00
## ENSG00000149294 3.272210e+00    3.6869877496 1.79787922 2.050743e+00
## ENSG00000149295 2.453481e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000149300 1.671722e+01    0.0617255168 0.72069029 8.564777e-02
## ENSG00000149305 3.086769e+00    0.0313462861 1.12089663 2.796537e-02
## ENSG00000149308 4.382522e+02    -0.1118457906 0.16949011 -6.598957e-01
## ENSG00000149311 2.177076e+03    -0.1253810081 0.11375029 -1.102248e+00
## ENSG00000149313 6.618705e+02    -0.1099881327 0.12965924 -8.482861e-01
## ENSG00000149328 4.607340e+00    0.8253468288 1.04141005 7.925282e-01
## ENSG00000149346 9.715270e+01    -0.6032114295 0.19617496 -3.074865e+00
## ENSG00000149357 1.433255e+03    -0.0231928653 0.08597583 -2.697603e-01
## ENSG00000149380 2.486078e+02    0.1397020205 0.38564558 3.622550e-01
## ENSG00000149403 4.816337e+01    -2.2595433642 0.65389383 -3.455520e+00
## ENSG00000149418 1.315258e+00    0.0236467701 1.58293606 1.493855e-02
## ENSG00000149428 1.023528e+03    0.2832070574 0.25838055 1.096085e+00
## ENSG00000149435 6.349857e-01    2.8961204951 3.44787332 8.399730e-01
## ENSG00000149451 6.635628e+03    -0.1112688940 0.26530885 -4.193938e-01
## ENSG00000149452 0.0000000e+00    NA          NA          NA
## ENSG00000149474 3.254801e+02    -0.0594370249 0.13086112 -4.541993e-01
## ENSG00000149476 3.592730e+02    -0.1104303898 0.19294480 -5.723419e-01
## ENSG00000149480 1.200576e+03    -0.0582315993 0.13612406 -4.277833e-01
## ENSG00000149483 4.425783e+02    -0.2408554861 0.20615776 -1.168307e+00
## ENSG00000149485 1.201324e+03    -0.0583971422 0.24016108 -2.431582e-01
## ENSG00000149488 7.382031e+01    0.6711259578 0.26907124 2.494232e+00
## ENSG00000149489 1.568945e+02    0.2119541584 0.31700887 6.686064e-01
## ENSG00000149499 1.141930e+03    0.2336040723 0.12846869 1.818374e+00
## ENSG00000149503 2.339485e+02    -0.2374466446 0.22104420 -1.074204e+00
## ENSG00000149506 3.089933e+00    -0.8256744584 1.05026259 -7.861600e-01
## ENSG00000149507 0.0000000e+00    NA          NA          NA
## ENSG00000149516 3.763938e-01    1.0043630274 3.29109086 3.051763e-01
## ENSG00000149527 4.084140e+00    -0.1672618127 1.21446300 -1.377249e-01
## ENSG00000149531 1.204550e+02    0.0769729644 0.23042223 3.340518e-01
## ENSG00000149532 1.243426e+03    -0.0440827643 0.12783128 -3.448511e-01
## ENSG00000149534 3.378852e+00    -1.6103484780 1.22404162 -1.315599e+00
## ENSG00000149541 4.567259e+02    0.3970319001 0.16174509 2.454677e+00
## ENSG00000149547 1.917691e+03    0.0060276717 0.10707137 5.629583e-02
## ENSG00000149548 2.045186e+01    -0.6340777944 0.42195261 -1.502723e+00
## ENSG00000149554 3.345753e+02    0.0756896719 0.16114459 4.697004e-01
## ENSG00000149557 1.531322e+03    -0.2274267281 0.14363447 -1.583372e+00
## ENSG00000149564 5.540596e+00    -0.4958791221 0.79753440 -6.217652e-01
## ENSG00000149571 3.757193e+02    -0.2508947022 0.29567720 -8.485426e-01
## ENSG00000149573 1.108445e+00    -1.7653014469 1.72367760 -1.024148e+00
## ENSG00000149575 1.362465e+02    -0.8099620371 0.60055204 -1.348696e+00
## ENSG00000149577 1.335501e+03    0.6958302818 0.16430680 4.234945e+00
## ENSG00000149582 2.028682e+02    -0.0968295577 0.24820581 -3.901180e-01
## ENSG00000149591 1.285196e+04    1.3065461707 0.34511208 3.785860e+00

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## ENSG00000149596 3.522907e+01    0.8296381350 0.48059746  1.726264e+00
## ENSG00000149599 1.012816e+00    0.8253835880 2.74723625  3.004414e-01
## ENSG00000149600 6.641523e+02    -0.0449426411 0.12250952 -3.668502e-01
## ENSG00000149609 9.561084e+00    0.1655385532 0.70514149  2.347593e-01
## ENSG00000149633 2.549539e+02    -1.5632091282 0.30801653 -5.075082e+00
## ENSG00000149634 2.219776e+01    -0.2475882043 0.37039337 -6.684466e-01
## ENSG00000149635 0.000000e+00      NA          NA          NA
## ENSG00000149636 1.902462e+02    -0.3292081342 0.26026615 -1.264890e+00
## ENSG00000149639 1.455089e+03    -0.1109389673 0.13225093 -8.388521e-01
## ENSG00000149646 5.455786e+00    -1.2559244079 1.26764092 -9.907572e-01
## ENSG00000149651 1.794770e-01    1.4168819359 3.52545357  4.019006e-01
## ENSG00000149654 3.513211e-01    -1.8532355182 3.48487585 -5.317938e-01
## ENSG00000149657 8.115663e+02    -0.1957434752 0.10947155 -1.788076e+00
## ENSG00000149658 7.943867e+02    0.0144026995 0.09361636  1.538481e-01
## ENSG00000149679 1.834677e+02    0.0524002445 0.22568024  2.321880e-01
## ENSG00000149716 4.149592e+02    0.0397990002 0.11313569  3.517811e-01
## ENSG00000149735 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000149742 1.057214e+00    0.9333753651 1.83406147  5.089117e-01
## ENSG00000149743 2.917359e+02    0.1449376077 0.17167404  8.442605e-01
## ENSG00000149761 3.887746e+02    0.3704423145 0.14200429  2.608670e+00
## ENSG00000149781 1.866579e+01    0.3689747378 0.63715255  5.790995e-01
## ENSG00000149782 7.287980e+02    0.2186144259 0.15092488  1.448498e+00
## ENSG00000149792 7.457528e+02    -0.5548565657 0.10519948 -5.274328e+00
## ENSG00000149798 8.226769e+02    0.0087244201 0.18000090  4.846876e-02
## ENSG00000149806 3.562404e+03    0.0767560204 0.18669578  4.111289e-01
## ENSG00000149809 1.051911e+02    0.7164398858 0.33711675  2.125198e+00
## ENSG00000149823 1.420429e+03    0.0997930944 0.14034331  7.110642e-01
## ENSG00000149922 1.567355e+01    -0.5272553064 0.51010592 -1.033619e+00
## ENSG00000149923 1.094915e+03    0.2437962439 0.09286478  2.625282e+00
## ENSG00000149925 1.775648e+04    -0.0752384501 0.17826013 -4.220711e-01
## ENSG00000149926 4.788750e+00    -0.6800623817 0.90407110 -7.522222e-01
## ENSG00000149927 8.303889e+00    -1.3221042351 0.87728760 -1.507036e+00
## ENSG00000149929 2.034468e+02    0.1494805843 0.30207434  4.948470e-01
## ENSG00000149930 1.536050e+03    -0.0729379493 0.12839464 -5.680763e-01
## ENSG00000149932 1.048059e+03    0.0036122094 0.10438573  3.460444e-02
## ENSG00000149948 5.977270e+02    0.1737730320 0.23498717  7.395001e-01
## ENSG00000149968 5.819449e+01    -0.3857472380 0.46688008 -8.262234e-01
## ENSG00000149970 9.109430e+00    0.9103813049 0.95746766  9.508220e-01
## ENSG00000149972 1.361651e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000150045 2.235301e+00    0.6982218553 1.47858143  4.722241e-01
## ENSG00000150048 2.439545e+00    1.4056539402 1.19078270  1.180445e+00
## ENSG00000150051 3.412230e+01    0.2752590019 0.57829227  4.759860e-01
## ENSG00000150054 2.796155e+01    0.5069940273 0.53188892  9.531953e-01
## ENSG00000150076 1.512411e+01    -0.3085831419 0.52304054 -5.899794e-01
## ENSG00000150093 5.227722e+04    0.3438354730 0.18216083  1.887538e+00
## ENSG00000150175 5.159239e-01    -1.4239729180 3.46651306 -4.107796e-01
## ENSG00000150201 0.000000e+00      NA          NA          NA
## ENSG00000150244 2.776034e-01    1.7547236597 3.51383760  4.993753e-01
## ENSG00000150261 0.000000e+00      NA          NA          NA
## ENSG00000150269 0.000000e+00      NA          NA          NA
## ENSG00000150275 2.642365e+00    -0.3011251395 0.99837111 -3.016164e-01
## ENSG00000150276 0.000000e+00      NA          NA          NA
## ENSG00000150281 2.819188e+02    0.0300635153 0.25233562  1.191410e-01
## ENSG00000150316 7.180550e+02    -0.0451872086 0.10572952 -4.273850e-01

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## ENSG00000150337 6.367456e+00 -1.2788508328 0.75542440 -1.692891e+00
## ENSG00000150347 1.016205e+04 0.1003406770 0.11426292 8.781561e-01
## ENSG00000150361 0.000000e+00 NA NA NA
## ENSG00000150394 1.413949e+01 -0.1273334783 0.92022756 -1.383717e-01
## ENSG00000150401 2.556275e+02 -0.0266711913 0.13920217 -1.916004e-01
## ENSG00000150403 3.738633e+03 0.3159842336 0.09467109 3.337706e+00
## ENSG00000150433 2.335768e+02 -0.1321969210 0.12190610 -1.084416e+00
## ENSG00000150455 1.492467e+02 -0.2314789034 0.19472690 -1.188736e+00
## ENSG00000150456 1.164228e+02 -0.2313055302 0.19219872 -1.203471e+00
## ENSG00000150457 2.409795e+03 0.1437050075 0.15078830 9.530249e-01
## ENSG00000150459 2.053069e+03 0.0909661366 0.09742175 9.337354e-01
## ENSG00000150471 5.366348e+00 -2.3139920803 1.16853840 -1.980245e+00
## ENSG00000150477 3.826610e+02 -0.1534672957 0.16126245 -9.516617e-01
## ENSG00000150510 3.461371e+02 0.6302116489 0.26278193 2.398231e+00
## ENSG00000150526 4.815117e+00 0.6632774548 1.22923807 5.395842e-01
## ENSG00000150527 2.945506e+02 0.1056238624 0.14937765 7.070928e-01
## ENSG00000150540 1.055596e+03 0.7242070112 0.36764713 1.969843e+00
## ENSG00000150551 1.180283e+00 0.2150013382 2.70468014 7.949233e-02
## ENSG00000150556 2.013779e+00 0.9202780256 1.59856157 5.756913e-01
## ENSG00000150593 2.749676e+03 -0.6673908603 0.14036777 -4.754587e+00
## ENSG00000150594 4.104644e+01 -2.3481692707 0.65250332 -3.598709e+00
## ENSG00000150625 1.344522e+01 0.0204328689 0.53893125 3.791368e-02
## ENSG00000150627 7.751612e+01 0.2731422853 0.52131971 5.239439e-01
## ENSG00000150628 3.032169e+00 -0.8684336005 1.01534293 -8.553106e-01
## ENSG00000150630 1.283064e+03 -0.4434819693 0.14858584 -2.984685e+00
## ENSG00000150636 7.717396e+01 -1.2043079192 0.35622231 -3.380776e+00
## ENSG00000150637 1.300906e+01 -0.6872634024 0.73215055 -9.386914e-01
## ENSG00000150656 6.327675e+00 0.0494422326 0.76909332 6.428639e-02
## ENSG00000150667 1.562130e+01 -0.8171632546 0.58139614 -1.405519e+00
## ENSG00000150672 5.537080e+01 0.5949846044 0.34365794 1.731328e+00
## ENSG00000150676 3.135552e+00 0.4529660378 0.95372002 4.749466e-01
## ENSG00000150681 1.365350e+00 1.1568216759 2.61822571 4.418342e-01
## ENSG00000150687 7.494673e+03 -0.7986624951 0.29257300 -2.729789e+00
## ENSG00000150712 7.999833e+02 0.4912994693 0.16858889 2.914187e+00
## ENSG00000150722 1.957033e+01 0.3178509850 0.63976398 4.968254e-01
## ENSG00000150732 0.000000e+00 NA NA NA
## ENSG00000150750 0.000000e+00 NA NA NA
## ENSG00000150753 2.030981e+03 0.3504898746 0.14897750 2.352636e+00
## ENSG00000150756 1.722987e+02 -0.3249277920 0.20602376 -1.577137e+00
## ENSG00000150760 3.113872e+03 -0.0162201629 0.18242720 -8.891307e-02
## ENSG00000150764 1.183303e+03 0.1976507897 0.21916245 9.018461e-01
## ENSG00000150768 4.719067e+02 0.4407488978 0.12654476 3.482949e+00
## ENSG00000150773 2.879091e+01 0.0223645876 0.45967494 4.865305e-02
## ENSG00000150776 5.870915e+02 -0.2375471981 0.17061799 -1.392275e+00
## ENSG00000150779 2.476686e+02 -0.1631760577 0.16185587 -1.008157e+00
## ENSG00000150782 3.821576e+00 0.4296792175 0.85996714 4.996461e-01
## ENSG00000150783 1.115161e+00 0.6438432495 2.19307833 2.935797e-01
## ENSG00000150787 3.388963e+02 0.0214097042 0.25897245 8.267174e-02
## ENSG00000150867 7.385720e+02 0.2225992944 0.17309522 1.285993e+00
## ENSG00000150873 4.891013e+00 -0.0434094644 0.73563297 -5.900968e-02
## ENSG00000150893 2.357765e+00 -0.0563349532 1.09329523 -5.152767e-02
## ENSG00000150907 6.884767e+02 2.3049644950 0.27633109 8.341314e+00
## ENSG00000150938 1.167498e+04 1.0474532700 0.26364317 3.972996e+00
## ENSG00000150961 2.625583e+03 -0.1198712084 0.08323275 -1.440193e+00

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```

## ENSG00000150967 7.645537e+01 -0.8879269475 0.26566216 -3.342316e+00
## ENSG00000150977 7.936507e+02 0.4692388893 0.13870429 3.383016e+00
## ENSG00000150990 3.733675e+02 0.6395293140 0.12804306 4.994643e+00
## ENSG00000150991 3.208489e+04 0.2798968368 0.11038524 2.535636e+00
## ENSG00000150995 2.644453e+03 0.4581983209 0.23344587 1.962760e+00
## ENSG00000151005 0.000000e+00 NA NA NA
## ENSG00000151006 5.961170e+01 0.2716601326 0.37649680 7.215470e-01
## ENSG00000151012 8.678368e+02 -1.1191628212 0.46013659 -2.432240e+00
## ENSG00000151014 4.178462e+01 -0.1244791270 0.47379542 -2.627276e-01
## ENSG00000151023 3.378467e+00 -0.4771754638 0.99760390 -4.783216e-01
## ENSG00000151025 2.182182e+00 -0.6233387989 1.45663539 -4.279306e-01
## ENSG00000151033 0.000000e+00 NA NA NA
## ENSG00000151062 3.051932e+01 -0.1056815129 0.54471260 -1.940133e-01
## ENSG00000151065 3.953431e+02 -0.4529695570 0.13658889 -3.316299e+00
## ENSG00000151067 1.976237e+03 -0.6112922408 0.22998021 -2.658021e+00
## ENSG00000151079 0.000000e+00 NA NA NA
## ENSG00000151090 4.447158e+02 0.3420679893 0.26724502 1.279979e+00
## ENSG00000151092 4.018902e+02 -0.0382264006 0.13605735 -2.809580e-01
## ENSG00000151093 1.045309e+02 0.0227918131 0.21969506 1.037429e-01
## ENSG00000151116 7.151220e+02 0.2336851849 0.09789799 2.387028e+00
## ENSG00000151117 9.713687e+01 -0.0012219704 0.44118577 -2.769741e-03
## ENSG00000151131 5.034380e+01 -0.2905211828 0.34385253 -8.449005e-01
## ENSG00000151135 2.174757e+03 -0.2280363682 0.12869410 -1.771926e+00
## ENSG00000151136 2.434360e+01 0.6932712614 0.70546991 9.827085e-01
## ENSG00000151148 1.626035e+03 0.0736850879 0.10538265 6.992146e-01
## ENSG00000151150 1.845400e+01 0.1793309170 0.67227142 2.667537e-01
## ENSG00000151151 3.401156e+02 0.6361345120 0.20391687 3.119578e+00
## ENSG00000151164 2.559670e+01 -0.8538400190 0.34204031 -2.496314e+00
## ENSG00000151176 5.078545e+03 0.0364560277 0.10993699 3.316084e-01
## ENSG00000151208 1.796065e+03 0.3112000564 0.12627330 2.464496e+00
## ENSG00000151224 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000151229 4.131433e+02 0.3920063679 0.16802023 2.333090e+00
## ENSG00000151233 6.794502e+02 0.1398518737 0.19748038 7.081811e-01
## ENSG00000151239 2.921213e+03 -0.1261376390 0.13505037 -9.340044e-01
## ENSG00000151240 1.071850e+03 -0.1886456500 0.18596009 -1.014442e+00
## ENSG00000151247 7.694125e+02 -0.1657937252 0.12329042 -1.344741e+00
## ENSG00000151276 3.211698e+02 0.6759690928 0.23223033 2.910770e+00
## ENSG00000151287 1.332546e+02 0.4764685572 0.18655582 2.554027e+00
## ENSG00000151292 8.291307e+02 0.0179747539 0.11547636 1.556574e-01
## ENSG00000151304 1.473265e+02 0.0981672993 0.17731486 5.536327e-01
## ENSG00000151320 1.252814e+02 0.9989864236 0.34540445 2.892222e+00
## ENSG00000151322 6.595448e+00 1.0793021226 1.36507786 7.906524e-01
## ENSG00000151327 7.227227e+02 0.3553849394 0.16598793 2.141029e+00
## ENSG00000151332 3.332145e+02 -0.5253572379 0.11851038 -4.433006e+00
## ENSG00000151338 3.197057e+02 -0.1531301714 0.14079337 -1.087623e+00
## ENSG00000151348 2.523412e+03 -0.0425784595 0.15924892 -2.673705e-01
## ENSG00000151353 4.463245e+02 -0.1192202017 0.23373365 -5.100686e-01
## ENSG00000151360 0.000000e+00 NA NA NA
## ENSG00000151364 3.232510e+01 0.0486673318 0.41575225 1.170585e-01
## ENSG00000151365 2.779258e+00 0.0588911505 1.71056266 3.442794e-02
## ENSG00000151366 1.552941e+03 0.1526669309 0.09655262 1.581179e+00
## ENSG00000151376 3.873108e+02 -0.3664414595 0.24120273 -1.519226e+00
## ENSG00000151379 0.000000e+00 NA NA NA
## ENSG00000151388 8.931110e+02 -0.0484486483 0.29755868 -1.628205e-01

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## ENSG00000151413 2.396477e+02    0.0836308451 0.17485780 4.782792e-01
## ENSG00000151414 2.706097e+03    0.1431896701 0.15331749 9.339422e-01
## ENSG00000151418 0.000000e+00      NA          NA          NA
## ENSG00000151422 8.761554e+02    0.0272442730 0.19044848 1.430532e-01
## ENSG00000151445 4.747759e+02    -0.0987952879 0.12617541 -7.829995e-01
## ENSG00000151458 9.547545e+02    -0.1315309495 0.12368628 -1.063424e+00
## ENSG00000151461 1.154876e+03    -0.0534451361 0.10254500 -5.211872e-01
## ENSG00000151465 9.980528e+02    0.1215258956 0.10238329 1.186970e+00
## ENSG00000151466 1.711468e+02    -0.0250744765 0.20939211 -1.197489e-01
## ENSG00000151468 1.071696e+02    0.4581676111 1.07797120 4.250277e-01
## ENSG00000151470 8.754271e+01    -0.5593987708 0.21950598 -2.548444e+00
## ENSG00000151474 4.321887e+02    -0.2745236431 0.24879674 -1.103405e+00
## ENSG00000151475 0.000000e+00      NA          NA          NA
## ENSG00000151490 7.041017e+01    -0.2491215913 0.42256431 -5.895472e-01
## ENSG00000151491 1.739274e+03    0.5076330254 0.19229617 2.639850e+00
## ENSG00000151498 4.150180e+02    0.0873161842 0.13877938 6.291726e-01
## ENSG00000151500 4.217076e+02    -0.2767046556 0.14900359 -1.857034e+00
## ENSG00000151502 1.232364e+03    -0.3029940639 0.11031935 -2.746518e+00
## ENSG00000151503 3.370559e+02    0.0983855755 0.20198203 4.871006e-01
## ENSG00000151532 6.088316e+02    0.2903605939 0.14991694 1.936810e+00
## ENSG00000151552 4.090208e+02    -0.0114552490 0.17077793 -6.707687e-02
## ENSG00000151553 1.321957e+03    0.1514244289 0.13336288 1.135432e+00
## ENSG00000151572 4.573023e+01    0.0970420874 0.41192376 2.355826e-01
## ENSG00000151575 9.328792e+01    -0.6506071961 0.27487823 -2.366892e+00
## ENSG00000151576 2.155272e+02    0.0961914377 0.18472876 5.207172e-01
## ENSG00000151577 0.000000e+00      NA          NA          NA
## ENSG00000151611 2.216591e+02    0.0496962350 0.14058403 3.534984e-01
## ENSG00000151612 5.733107e+02    -0.4828100328 0.16396070 -2.944669e+00
## ENSG00000151615 0.000000e+00      NA          NA          NA
## ENSG00000151617 1.569250e+02    -0.7091284205 0.47415439 -1.495564e+00
## ENSG00000151623 7.890268e+01    -1.2217736738 0.36993760 -3.302648e+00
## ENSG00000151631 2.375921e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000151632 1.854282e+03    -0.1959757613 0.32427384 -6.043527e-01
## ENSG00000151640 1.372496e+02    -0.4498641429 1.04839874 -4.290964e-01
## ENSG00000151650 6.987512e+00    0.5480593494 0.73732825 7.433044e-01
## ENSG00000151651 2.247009e+01    -0.6156968056 0.42857847 -1.436602e+00
## ENSG00000151655 3.734333e+00    -0.0775396953 0.83732637 -9.260391e-02
## ENSG00000151657 2.190089e+02    0.0697802700 0.16124028 4.327720e-01
## ENSG00000151665 3.786273e+02    0.1249550574 0.13103767 9.535812e-01
## ENSG00000151687 6.810333e+01    -0.2774436748 0.29374994 -9.444893e-01
## ENSG00000151689 3.388879e+02    -0.3259602147 0.14536578 -2.242345e+00
## ENSG00000151690 9.503135e+02    1.0398658766 0.22380785 4.646244e+00
## ENSG00000151692 1.614142e+01    0.5478417085 0.80082319 6.840982e-01
## ENSG00000151693 1.154675e+03    -0.0236984762 0.23398839 -1.012806e-01
## ENSG00000151694 1.430882e+03    0.5251201507 0.16734075 3.138029e+00
## ENSG00000151702 4.004618e+01    0.0291328114 0.38448421 7.577115e-02
## ENSG00000151704 2.302066e+00    -1.2415060212 1.28352041 -9.672663e-01
## ENSG00000151715 3.140958e+00    1.0547872448 0.99226048 1.063014e+00
## ENSG00000151718 1.067502e+03    0.1489877900 0.21180479 7.034203e-01
## ENSG00000151725 3.539767e+01    0.6312565833 0.32328690 1.952620e+00
## ENSG00000151726 1.467323e+03    1.5790701496 0.16981729 9.298642e+00
## ENSG00000151729 3.647565e+02    0.7232033804 0.30689591 2.356510e+00
## ENSG00000151743 6.399021e+01    -0.6532305575 0.25458307 -2.565884e+00
## ENSG00000151746 2.998934e+02    -0.2326243378 0.17251097 -1.348461e+00

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## ENSG00000151748 1.306257e+03 -0.1228770471 0.15658606 -7.847253e-01
## ENSG00000151773 1.828232e+02 -0.0254966666 0.37660006 -6.770224e-02
## ENSG00000151778 1.309488e+02 0.0409263077 0.18616657 2.198370e-01
## ENSG00000151779 1.512519e+03 -0.1421052637 0.10955605 -1.297101e+00
## ENSG00000151789 1.426490e+02 -1.0337893905 0.50272224 -2.056383e+00
## ENSG00000151790 1.393106e+01 -0.7676595930 0.63136099 -1.215881e+00
## ENSG00000151806 4.874672e+02 0.1191570675 0.14323156 8.319191e-01
## ENSG00000151812 4.980247e+00 -0.6366553678 1.22087565 -5.214744e-01
## ENSG00000151834 1.362710e+00 -0.4100615893 1.82017930 -2.252864e-01
## ENSG00000151835 3.279710e+03 -0.7332853197 0.22871336 -3.206132e+00
## ENSG00000151838 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000151846 5.938753e-01 -0.5112501721 2.12366477 -2.407396e-01
## ENSG00000151849 1.565270e+02 0.4099121037 0.22481752 1.823310e+00
## ENSG00000151876 1.424302e+02 0.1131560326 0.16796857 6.736738e-01
## ENSG00000151881 1.892783e+02 -0.3802378067 0.18739070 -2.029118e+00
## ENSG00000151882 9.422097e+01 -0.2515443292 0.24423561 -1.029925e+00
## ENSG00000151883 3.394709e+02 -0.2074446967 0.23987415 -8.648064e-01
## ENSG00000151892 1.612917e+03 -0.5295248691 0.75073231 -7.053444e-01
## ENSG00000151893 1.119690e+03 0.6745993830 0.19391144 3.478905e+00
## ENSG00000151914 1.589809e+04 -0.2609993183 0.17691617 -1.475271e+00
## ENSG00000151917 3.068065e+02 -0.6062880931 0.12866531 -4.712133e+00
## ENSG00000151923 1.204021e+03 -0.0515323121 0.11902215 -4.329640e-01
## ENSG00000151929 1.202686e+03 0.4216928412 0.09935944 4.244115e+00
## ENSG00000151948 1.171730e+00 -2.7461158268 1.75822358 -1.561870e+00
## ENSG00000151952 0.000000e+00 NA NA NA
## ENSG00000151962 2.587887e-01 -1.3619532296 3.52197862 -3.867012e-01
## ENSG00000151963 3.250949e-01 1.7915643959 3.51151067 5.101976e-01
## ENSG00000151967 4.449369e+01 -0.8733444813 0.44751047 -1.951562e+00
## ENSG00000152034 1.492064e+00 -0.6946893897 1.39005210 -4.997578e-01
## ENSG00000152049 3.217917e+02 0.1763337529 0.24821155 7.104172e-01
## ENSG00000152056 3.101993e+01 -0.0346661089 0.37386985 -9.272240e-02
## ENSG00000152061 6.229083e+02 0.1056200946 0.10803314 9.776639e-01
## ENSG00000152076 1.316563e+02 -0.0929029486 0.23852657 -3.894868e-01
## ENSG00000152078 6.358096e+01 -0.1768235533 0.41417718 -4.269273e-01
## ENSG00000152082 8.571315e+02 0.2124997302 0.18420749 1.153589e+00
## ENSG00000152086 1.794770e-01 1.4168819359 3.52545357 4.019006e-01
## ENSG00000152092 8.805306e-01 -0.2146433339 1.75664307 -1.221895e-01
## ENSG00000152093 0.000000e+00 NA NA NA
## ENSG00000152102 3.325612e+03 -0.0124802641 0.08344192 -1.495683e-01
## ENSG00000152104 3.060288e+03 0.0908683806 0.23338513 3.893495e-01
## ENSG00000152117 2.625422e+02 -0.0704016983 0.32318790 -2.178352e-01
## ENSG00000152127 3.335379e+03 -0.0464498479 0.25686613 -1.808329e-01
## ENSG00000152128 1.333698e+00 -1.9472410844 1.62744289 -1.196503e+00
## ENSG00000152133 3.093470e+02 -0.1419251805 0.16461399 -8.621696e-01
## ENSG00000152137 6.673753e+02 -0.2760189562 0.19356356 -1.425986e+00
## ENSG00000152147 1.427828e+02 -0.2233155145 0.17417518 -1.282132e+00
## ENSG00000152154 1.001874e+02 0.1716378639 0.32584488 5.267472e-01
## ENSG00000152192 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000152193 3.197362e+02 0.0721258570 0.11009781 6.551071e-01
## ENSG00000152207 4.151428e+00 -0.5882594310 1.22385508 -4.806610e-01
## ENSG00000152208 2.121478e-01 -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000152213 3.036562e+00 -0.6951555105 1.16780470 -5.952669e-01
## ENSG00000152214 0.000000e+00 NA NA NA
## ENSG00000152217 1.385088e+03 -0.1730963848 0.14219217 -1.217341e+00

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## ENSG00000152219 5.483216e+02 -0.0601391483 0.10565419 -5.692074e-01
## ENSG00000152223 3.309200e+03 0.4150381857 0.18514725 2.241665e+00
## ENSG00000152229 1.579532e+02 0.0526152558 0.24575037 2.141004e-01
## ENSG00000152234 5.217787e+03 0.0424270796 0.08761935 4.842205e-01
## ENSG00000152240 2.730648e+02 -0.0327440441 0.16733585 -1.956786e-01
## ENSG00000152242 4.040197e+02 0.2008995896 0.12954730 1.550782e+00
## ENSG00000152253 8.264632e+00 0.7622874445 1.20783861 6.311170e-01
## ENSG00000152254 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000152256 7.234603e+02 -0.5609052695 0.32580865 -1.721579e+00
## ENSG00000152266 0.000000e+00 NA NA NA
## ENSG00000152270 4.281043e+02 -0.3348560736 0.34229918 -9.782555e-01
## ENSG00000152284 4.477836e+02 -0.2481954184 0.12517712 -1.982754e+00
## ENSG00000152291 8.230723e+03 0.0953229343 0.13423898 7.100988e-01
## ENSG00000152292 1.094758e+01 0.6085480454 0.62809167 9.688841e-01
## ENSG00000152315 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000152332 3.008209e+03 0.6718925411 0.08752836 7.676284e+00
## ENSG00000152348 1.143364e+02 0.1164727043 0.25551041 4.558433e-01
## ENSG00000152359 8.787673e+01 -0.2704243318 0.27847439 -9.710923e-01
## ENSG00000152377 6.737973e+03 0.7780264813 0.32847525 2.368600e+00
## ENSG00000152380 3.600559e+01 -0.1341436863 0.38239488 -3.507989e-01
## ENSG00000152382 1.146146e+02 0.0617918741 0.17959245 3.440672e-01
## ENSG00000152402 7.407410e+01 -1.1519790219 0.64368023 -1.789676e+00
## ENSG00000152404 2.559436e+02 -0.0606318451 0.13997763 -4.331538e-01
## ENSG00000152409 9.627267e+02 0.0389731818 0.16286213 2.393017e-01
## ENSG00000152413 1.263724e+02 -0.0752497755 0.40103618 -1.876384e-01
## ENSG00000152422 1.134295e+02 0.1497881989 0.19855217 7.544022e-01
## ENSG00000152430 1.402134e+00 0.6265878842 1.81456280 3.453107e-01
## ENSG00000152433 7.116509e+01 -0.4852092520 0.22995331 -2.110034e+00
## ENSG00000152439 1.838605e+02 -0.3483290460 0.22172791 -1.570975e+00
## ENSG00000152443 3.369718e+02 -0.4478191529 0.14485225 -3.091558e+00
## ENSG00000152454 6.495992e+01 -0.1185510844 0.21383419 -5.544066e-01
## ENSG00000152455 1.207940e+02 -0.1468925358 0.19233446 -7.637349e-01
## ENSG00000152457 2.598307e+02 -0.0032462582 0.16459108 -1.972317e-02
## ENSG00000152463 9.344825e+00 3.1541184074 0.78166539 4.035126e+00
## ENSG00000152464 1.487663e+02 -0.0068546015 0.18876106 -3.631364e-02
## ENSG00000152465 7.142659e+02 0.0553014285 0.12571361 4.399001e-01
## ENSG00000152467 1.826019e+00 -0.6899486265 1.19157481 -5.790225e-01
## ENSG00000152475 3.237610e+01 -0.4682105713 0.31509848 -1.485918e+00
## ENSG00000152484 8.536467e+02 0.5617880407 0.18641873 3.013582e+00
## ENSG00000152492 2.922720e+03 -0.0033507267 0.16356505 -2.048559e-02
## ENSG00000152495 8.222095e+01 -1.2466867132 0.40703439 -3.062853e+00
## ENSG00000152503 4.882245e+00 2.6686169248 1.34307620 1.986944e+00
## ENSG00000152518 8.269975e+03 0.6534688952 0.14707605 4.443068e+00
## ENSG00000152520 6.430179e+02 -0.0280271912 0.08990147 -3.117545e-01
## ENSG00000152527 9.144919e+02 0.4915035530 0.38297674 1.283377e+00
## ENSG00000152556 1.384570e+03 -0.2465963037 0.10851266 -2.272512e+00
## ENSG00000152558 4.878047e+03 0.2078104904 0.15795177 1.315658e+00
## ENSG00000152578 2.168756e+00 -1.0662408411 1.48594945 -7.175485e-01
## ENSG00000152580 6.663857e+03 -0.9536738235 0.40441700 -2.358145e+00
## ENSG00000152582 1.519029e+02 0.0597854607 0.35127751 1.701944e-01
## ENSG00000152583 9.547709e+02 4.3683586453 0.23712679 1.842204e+01
## ENSG00000152591 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000152592 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000152595 0.000000e+00 NA NA NA

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## ENSG00000152601 6.267903e+03    0.7542583837 0.21253063 3.548940e+00
## ENSG00000152611 6.613127e-01    1.0467846031 2.94163279 3.558516e-01
## ENSG00000152620 3.063222e+02    -0.3571577772 0.17227250 -2.073214e+00
## ENSG00000152642 2.467562e+02    0.6347969509 0.25377877 2.501379e+00
## ENSG00000152661 2.513206e+03    -0.1662214047 0.18170066 -9.148090e-01
## ENSG00000152669 1.249732e+00    3.0023616173 2.01611311 1.489183e+00
## ENSG00000152670 3.178114e-01    1.7508468609 3.51408558 4.982368e-01
## ENSG00000152672 0.000000e+00    NA          NA          NA
## ENSG00000152683 7.211914e+02    0.0357156678 0.10312296 3.463406e-01
## ENSG00000152684 4.961605e+02    -0.0615666894 0.16799849 -3.664717e-01
## ENSG00000152689 2.558211e+01    -0.0180888023 0.45344227 -3.989218e-02
## ENSG00000152700 1.048794e+03    0.1404427609 0.19298994 7.277206e-01
## ENSG00000152705 2.652609e+00    0.3492331610 1.02952767 3.392169e-01
## ENSG00000152749 2.832274e+02    0.1664620091 0.20565235 8.094340e-01
## ENSG00000152760 8.130536e-01    -0.7583516524 2.03162677 -3.732731e-01
## ENSG00000152763 1.033182e+02    -0.3321937802 0.23408086 -1.419141e+00
## ENSG00000152766 5.136238e-01    1.4935096832 2.49207373 5.993040e-01
## ENSG00000152767 2.714167e+03    0.1126374882 0.19880343 5.665772e-01
## ENSG00000152778 5.217804e+02    0.1666110684 0.15361699 1.084587e+00
## ENSG00000152779 5.568323e+01    2.9064622065 0.57881968 5.021360e+00
## ENSG00000152782 9.737147e+01    -0.3831837571 0.25378984 -1.509847e+00
## ENSG00000152784 8.736144e+02    -0.1032203385 0.32540260 -3.172081e-01
## ENSG00000152785 1.134006e+01    0.2504879761 0.61225804 4.091216e-01
## ENSG00000152795 3.064548e+03    0.0750648555 0.09698151 7.740120e-01
## ENSG00000152804 2.790782e+02    -0.0127364746 0.26996452 -4.717833e-02
## ENSG00000152818 4.196533e+03    0.3199348060 0.22343192 1.431912e+00
## ENSG00000152822 3.978893e+00    1.2698228281 0.88411051 1.436272e+00
## ENSG00000152894 1.320792e+03    -0.2593036319 0.13062043 -1.985169e+00
## ENSG00000152904 5.330625e+02    0.0582401276 0.11431284 5.094802e-01
## ENSG00000152910 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000152926 4.232882e+02    -0.5741057687 0.17364725 -3.306161e+00
## ENSG00000152932 7.012721e-01    -0.7854006085 2.32597347 -3.376653e-01
## ENSG00000152936 2.576928e+00    -0.3549927279 1.13505565 -3.127536e-01
## ENSG00000152939 1.479207e+01    -0.0177451673 0.52700870 -3.367149e-02
## ENSG00000152942 2.416910e+02    -0.2233994185 1.16151870 -1.923339e-01
## ENSG00000152944 4.179558e+02    0.0015473071 0.10955143 1.412402e-02
## ENSG00000152952 2.310196e+03    -0.2799233262 0.34675375 -8.072683e-01
## ENSG00000152953 6.577288e+01    0.2463078835 0.62389204 3.947925e-01
## ENSG00000152954 2.784001e+01    -0.1057166070 2.18697138 -4.833927e-02
## ENSG00000152969 3.186941e-01    -1.7304205930 3.49374139 -4.952916e-01
## ENSG00000152977 8.169908e-01    -3.0582406847 3.42780188 -8.921871e-01
## ENSG00000152990 6.544190e+02    -0.7853383753 0.21363359 -3.676100e+00
## ENSG00000153002 1.628460e+00    -4.0739076495 2.21099977 -1.842564e+00
## ENSG00000153006 5.186844e+02    0.2750844403 0.16674808 1.649701e+00
## ENSG00000153012 7.013110e+00    -2.4058748705 1.78195419 -1.350133e+00
## ENSG00000153015 4.605204e+02    -0.0858486766 0.14538337 -5.904986e-01
## ENSG00000153029 1.486600e+03    -0.1892375088 0.17792954 -1.063553e+00
## ENSG00000153037 3.998964e+02    0.1931138684 0.26318538 7.337561e-01
## ENSG00000153044 5.124630e+01    -0.4415696843 0.34803894 -1.268736e+00
## ENSG00000153046 5.021633e+02    -0.3533119085 0.21295422 -1.659098e+00
## ENSG00000153048 1.795539e+03    0.1519874973 0.10567662 1.438232e+00
## ENSG00000153060 1.704468e+00    0.5771212395 1.56957248 3.676933e-01
## ENSG00000153064 4.438294e+01    0.2717848192 0.31830011 8.538634e-01
## ENSG00000153066 7.368799e+02    0.6073560671 0.11287392 5.380836e+00

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## ENSG00000153071 1.206693e+04    0.0788006129  0.11529399  6.834755e-01
## ENSG00000153086 9.540318e+00    0.0839109055  0.56341673  1.489322e-01
## ENSG00000153093 1.476214e+01    -0.1424200929  0.50942926  -2.795679e-01
## ENSG00000153094 5.112007e+02    -0.3667693656  0.29855947  -1.228463e+00
## ENSG00000153107 9.886752e+02    0.2026801362  0.24084595  8.415343e-01
## ENSG00000153113 8.446437e+03    0.3430798367  0.13255398  2.588227e+00
## ENSG00000153130 9.143663e+02    0.2896767319  0.13151565  2.202603e+00
## ENSG00000153132 1.624682e+02    -0.6453639592  0.44528659  -1.449323e+00
## ENSG00000153140 2.415244e+02    -0.2588804942  0.13939768  -1.857136e+00
## ENSG00000153147 2.852780e+03    -0.0300210209  0.16249726  -1.847479e-01
## ENSG00000153157 5.189479e+00    0.0527485190  0.82565436  6.388693e-02
## ENSG00000153162 1.419612e+02    1.0341273435  0.63191441  1.636499e+00
## ENSG00000153165 5.283214e+00    -0.7413007999  1.02020391  -7.266202e-01
## ENSG00000153179 1.263193e+03    0.4410513054  0.11674783  3.777812e+00
## ENSG00000153187 6.941390e+03    0.0930286355  0.12144430  7.660189e-01
## ENSG00000153201 3.354241e+03    0.1241530336  0.08365050  1.484188e+00
## ENSG00000153207 1.850454e+03    1.2714829084  0.22704292  5.600187e+00
## ENSG00000153208 8.224717e+01    -1.2794003472  0.53999127  -2.369298e+00
## ENSG00000153214 1.133613e+03    0.5897885423  0.22534805  2.617234e+00
## ENSG00000153230 0.000000e+00    NA          NA          NA
## ENSG00000153233 2.339766e+00    -1.2315011631  1.16191313  -1.059891e+00
## ENSG00000153234 5.693354e+01    0.1689790306  0.28180884  5.996229e-01
## ENSG00000153237 4.195586e+01    0.0344851945  0.37094957  9.296464e-02
## ENSG00000153246 1.197312e+03    0.1662349785  0.22721677  7.316140e-01
## ENSG00000153250 3.919861e+03    0.2853182161  0.11614787  2.456508e+00
## ENSG00000153253 3.892968e+02    -0.0630321100  1.16910452  -5.391486e-02
## ENSG00000153266 0.000000e+00    NA          NA          NA
## ENSG00000153283 7.261852e+00    0.8748983258  1.00460397  8.708888e-01
## ENSG00000153291 5.008569e+02    0.2922845942  0.31447914  9.294244e-01
## ENSG00000153292 1.028542e+01    -0.8964492077  0.55677981  -1.610061e+00
## ENSG00000153294 2.212567e-01    1.5394092681  3.52295593  4.369652e-01
## ENSG00000153303 2.020557e+00    -0.2428324250  1.33153172  -1.823707e-01
## ENSG00000153310 2.191093e+02    0.0427738973  0.13823192  3.094357e-01
## ENSG00000153317 3.822596e+03    0.1925964466  0.13762567  1.399422e+00
## ENSG00000153339 1.207392e+03    0.1975549361  0.12892571  1.532316e+00
## ENSG00000153347 0.000000e+00    NA          NA          NA
## ENSG00000153391 1.126246e+02    -0.5331243555  0.20333640  -2.621883e+00
## ENSG00000153395 3.924332e+02    0.1378542160  0.28973751  4.757900e-01
## ENSG00000153404 4.402822e+00    -0.3054048764  0.99604737  -3.066168e-01
## ENSG00000153406 1.805425e+02    0.0059031336  0.17035949  3.465104e-02
## ENSG00000153443 3.404685e+02    0.6768246154  0.14295461  4.734542e+00
## ENSG00000153446 1.361592e+01    -0.9031521246  0.69080559  -1.307390e+00
## ENSG00000153485 4.259455e+01    0.0383047645  0.26795712  1.429511e-01
## ENSG00000153487 2.085283e+02    0.1087482615  0.14180784  7.668706e-01
## ENSG00000153495 1.809785e+01    0.1328910920  0.46895655  2.833761e-01
## ENSG00000153498 9.420360e-01    -0.1416728359  1.96085905  -7.225039e-02
## ENSG00000153531 4.743530e+01    -0.7145666046  0.43044447  -1.660067e+00
## ENSG00000153551 1.476552e+02    0.1232330568  0.25030467  4.923322e-01
## ENSG00000153558 2.416685e+02    -0.0592779947  0.15817313  -3.747665e-01
## ENSG00000153560 1.334528e+03    0.2003244013  0.08861690  2.260567e+00
## ENSG00000153561 4.866138e+02    0.1412172253  0.19322922  7.308275e-01
## ENSG00000153563 2.928395e-01    0.1733657147  3.53381154  4.905913e-02
## ENSG00000153574 1.710933e+02    0.2631369728  0.16228297  1.621470e+00
## ENSG00000153684 0.000000e+00    NA          NA          NA

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## ENSG00000153707 5.635537e+02 -0.2985926225 0.46401402 -6.434991e-01
## ENSG00000153714 7.597668e+02 -0.2563002200 0.30180539 -8.492235e-01
## ENSG00000153721 4.748799e+02 -0.8034220891 0.26459584 -3.036412e+00
## ENSG00000153767 2.210880e+02 0.2014378826 0.17906602 1.124936e+00
## ENSG00000153774 9.543108e+02 -0.0088935566 0.09841829 -9.036487e-02
## ENSG00000153779 0.000000e+00 NA NA NA
## ENSG00000153786 4.286456e+03 0.1343126343 0.12224169 1.098747e+00
## ENSG00000153789 4.612420e+00 -0.0406388000 1.19712527 -3.394699e-02
## ENSG00000153790 1.060041e+02 0.2497246613 0.22312561 1.119211e+00
## ENSG00000153802 2.291699e-01 -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000153814 9.879077e+02 -0.1239913172 0.19404663 -6.389769e-01
## ENSG00000153815 4.389772e+02 -0.2989225648 0.23759699 -1.258108e+00
## ENSG00000153820 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000153822 3.367645e+00 -0.1675442965 0.87889041 -1.906316e-01
## ENSG00000153823 1.410614e+03 0.6278943033 0.18506585 3.392816e+00
## ENSG00000153827 5.237579e+03 0.1021769579 0.13550470 7.540473e-01
## ENSG00000153832 1.018846e+02 -0.1186441240 0.19665275 -6.033179e-01
## ENSG00000153879 3.844297e+02 -0.6096728828 0.16564152 -3.680677e+00
## ENSG00000153885 1.351464e+02 -0.5061028199 0.67104661 -7.541992e-01
## ENSG00000153896 1.156017e+02 -0.2916798506 0.21776227 -1.339442e+00
## ENSG00000153898 7.331020e+01 0.4990366305 0.49090929 1.016556e+00
## ENSG00000153902 2.971279e+01 -0.5700249066 0.43194417 -1.319673e+00
## ENSG00000153904 3.093394e+03 1.3528546444 0.32494836 4.163291e+00
## ENSG00000153914 1.660292e+03 -0.1397427326 0.12301966 -1.135938e+00
## ENSG00000153922 6.275553e+02 -0.0878864830 0.17012580 -5.165970e-01
## ENSG00000153923 0.000000e+00 NA NA NA
## ENSG00000153930 6.160882e+00 0.0943653356 0.84834416 1.112347e-01
## ENSG00000153933 1.374386e+02 0.3782992133 0.22276236 1.698219e+00
## ENSG00000153936 2.068231e+03 0.9492853717 0.23808762 3.987126e+00
## ENSG00000153944 6.831530e+02 -0.0723986984 0.18767731 -3.857616e-01
## ENSG00000153956 1.352496e+03 -0.2466692183 0.13851424 -1.780822e+00
## ENSG00000153975 1.306210e+02 0.1745268662 0.22894394 7.623127e-01
## ENSG00000153976 1.520045e+02 0.4495355217 0.29507590 1.523457e+00
## ENSG00000153982 1.784805e+01 -0.1316010947 0.44423237 -2.962438e-01
## ENSG00000153989 1.134178e+03 0.3599490886 0.13673228 2.632510e+00
## ENSG00000153993 7.132643e+02 -0.5287505638 0.37702585 -1.402425e+00
## ENSG00000154001 1.072632e+03 0.1392772089 0.09196625 1.514438e+00
## ENSG00000154007 0.000000e+00 NA NA NA
## ENSG00000154016 2.136939e+00 0.8466825739 1.46066481 5.796556e-01
## ENSG00000154025 1.401556e+00 0.1100579691 1.73719842 6.335371e-02
## ENSG00000154027 7.463225e+02 0.7147791420 0.29748493 2.402741e+00
## ENSG00000154040 1.219305e+02 0.0674517309 0.31748736 2.124549e-01
## ENSG00000154059 7.971719e+02 -0.2391552743 0.11080758 -2.158293e+00
## ENSG00000154065 4.140333e+02 -0.3130586062 0.37636767 -8.317893e-01
## ENSG00000154079 1.048525e+02 -0.1536180388 0.18097442 -8.488384e-01
## ENSG00000154080 2.680919e+00 -0.0929667090 1.06422926 -8.735590e-02
## ENSG00000154096 1.153984e+04 -0.2302833674 0.35094452 -6.561817e-01
## ENSG00000154099 8.342352e+00 -0.5930181633 0.59784753 -9.919221e-01
## ENSG00000154102 7.163837e+01 -1.0037584817 0.22019202 -4.558560e+00
## ENSG00000154114 6.425446e+02 0.1739200327 0.11485264 1.514289e+00
## ENSG00000154118 1.480553e+00 1.1021693411 1.38499612 7.957924e-01
## ENSG00000154122 7.071435e+02 -0.1470473588 0.17847987 -8.238876e-01
## ENSG00000154124 4.074700e+02 0.1902689282 0.22431301 8.482296e-01
## ENSG00000154127 4.166064e+02 0.9988582401 0.25760725 3.877446e+00

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## ENSG00000154133 7.045529e+00 -0.8590368166 0.71441097 -1.202441e+00
## ENSG00000154134 1.852434e+02 -0.5325190414 0.22647009 -2.351388e+00
## ENSG00000154143 0.000000e+00 NA NA NA
## ENSG00000154144 1.195591e+03 0.1255775411 0.12513208 1.003560e+00
## ENSG00000154146 1.820876e+01 -0.5612405707 0.86967906 -6.453422e-01
## ENSG00000154153 2.084597e+01 -0.1258694831 0.51375972 -2.449968e-01
## ENSG00000154162 1.277810e+00 -1.9948388701 1.69378821 -1.177738e+00
## ENSG00000154165 0.000000e+00 NA NA NA
## ENSG00000154174 1.466112e+03 -0.0271363619 0.09206796 -2.947427e-01
## ENSG00000154175 6.878731e+03 0.0816311718 0.20972256 3.892341e-01
## ENSG00000154188 2.803369e+03 0.5765177101 0.37325832 1.544554e+00
## ENSG00000154198 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000154217 1.944999e+02 0.9599982340 0.23313314 4.117811e+00
## ENSG00000154222 7.787402e+02 0.2680990078 0.16826657 1.593299e+00
## ENSG00000154227 3.674992e-01 -0.5488902050 3.29256405 -1.667060e-01
## ENSG00000154229 3.649338e+03 0.2065838427 0.17677683 1.168614e+00
## ENSG00000154237 1.521785e+03 0.0604622463 0.15919603 3.797975e-01
## ENSG00000154240 2.843021e+02 0.4438986310 0.25520979 1.739348e+00
## ENSG00000154252 0.000000e+00 NA NA NA
## ENSG00000154258 2.014001e+03 0.2053894394 0.31022515 6.620657e-01
## ENSG00000154262 2.403798e+03 1.0219966404 0.18289666 5.587837e+00
## ENSG00000154263 1.548267e+02 -1.3481940072 0.30310108 -4.448001e+00
## ENSG00000154265 4.373012e+02 -0.0304230824 0.26590753 -1.144123e-01
## ENSG00000154269 5.524542e+00 0.7366604007 0.74691744 9.862675e-01
## ENSG00000154274 4.296416e+00 0.2292622666 0.79410820 2.887041e-01
## ENSG00000154277 4.581685e+03 -0.1418755284 0.28756633 -4.933663e-01
## ENSG00000154305 2.345611e+03 -0.1189186892 0.10098153 -1.177628e+00
## ENSG00000154309 4.324981e+02 -0.3370201763 0.30364343 -1.109921e+00
## ENSG00000154310 7.741815e+02 -1.1039297670 0.24610144 -4.485670e+00
## ENSG00000154316 3.784042e-01 -1.9467769604 3.47859745 -5.596442e-01
## ENSG00000154319 8.979238e+01 0.9869211846 0.23807342 4.145449e+00
## ENSG00000154328 1.959359e+02 -0.0907541976 0.15584627 -5.823315e-01
## ENSG00000154330 2.511644e+03 -0.1841513086 0.24021561 -7.666084e-01
## ENSG00000154342 0.000000e+00 NA NA NA
## ENSG00000154358 2.962315e+02 -0.6962903508 0.42267408 -1.647346e+00
## ENSG00000154359 2.650856e+02 -0.4584649970 0.22088042 -2.075625e+00
## ENSG00000154370 3.373680e+02 0.0665868499 0.17577041 3.788286e-01
## ENSG00000154380 5.053401e+03 0.2180083768 0.20483720 1.064301e+00
## ENSG00000154415 0.000000e+00 NA NA NA
## ENSG00000154429 1.386988e+02 -0.3979488374 0.18000765 -2.210733e+00
## ENSG00000154438 2.445996e+00 -1.6705608056 1.19576828 -1.397061e+00
## ENSG00000154447 5.750866e+02 0.0816328024 0.20157523 4.049744e-01
## ENSG00000154451 1.477377e+01 -1.1242107971 0.47868313 -2.348549e+00
## ENSG00000154473 1.402968e+03 0.0503262667 0.10296828 4.887551e-01
## ENSG00000154478 1.555859e+00 -1.5276861250 1.75266047 -8.716384e-01
## ENSG00000154479 2.713917e+01 1.1541031715 0.44610590 2.587061e+00
## ENSG00000154485 1.389789e+00 0.9119864982 1.52300678 5.988066e-01
## ENSG00000154493 1.937964e+00 -0.6555481906 1.67666555 -3.909833e-01
## ENSG00000154511 1.725054e+03 -0.0303801179 0.15141314 -2.006439e-01
## ENSG00000154518 1.379756e+03 0.0925214578 0.11520540 8.031000e-01
## ENSG00000154529 1.476327e+02 0.8902559504 1.02680362 8.670168e-01
## ENSG00000154545 4.477532e+02 -0.3819777753 0.23014025 -1.659761e+00
## ENSG00000154548 9.571662e+00 -0.0678853196 0.77985000 -8.704920e-02
## ENSG00000154553 1.789241e+02 -0.0004720834 0.53993069 -8.743408e-04

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```

## ENSG00000154556 4.127822e+01    1.0987088933 1.09662094 1.001904e+00
## ENSG00000154582 7.087146e+02    0.2686336438 0.09713970 2.765436e+00
## ENSG00000154589 1.250559e+02    -0.5724005292 0.28159816 -2.032686e+00
## ENSG00000154608 1.841094e+01    -0.7037811594 0.67395168 -1.044261e+00
## ENSG00000154611 0.000000e+00      NA          NA          NA
## ENSG00000154620 2.911335e+00    0.2362602729 1.11674130 2.115622e-01
## ENSG00000154639 1.387839e+01    -0.2485619229 0.81628114 -3.045053e-01
## ENSG00000154640 4.843537e+02    0.0457465288 0.11243719 4.068630e-01
## ENSG00000154642 2.413538e+02    -0.2337008922 0.16735167 -1.396466e+00
## ENSG00000154645 2.479908e+00    0.2751678575 1.16666168 2.358592e-01
## ENSG00000154646 0.000000e+00      NA          NA          NA
## ENSG00000154654 1.359995e+03    -0.9247779505 0.21501330 -4.301027e+00
## ENSG00000154655 6.971522e+00    -0.0611419093 0.88077581 -6.941824e-02
## ENSG00000154678 8.634112e+02    -0.1410519315 0.28678451 -4.918394e-01
## ENSG00000154710 1.280387e+03    0.4106531949 0.09942833 4.130143e+00
## ENSG00000154719 1.996483e+02    0.0738455542 0.15269847 4.836038e-01
## ENSG00000154721 6.198574e+02    0.3883501401 0.45279860 8.576664e-01
## ENSG00000154723 8.977899e+02    0.1162557776 0.10908208 1.065764e+00
## ENSG00000154727 8.400894e+02    -0.1698560468 0.12208019 -1.391348e+00
## ENSG00000154734 2.987299e+04    2.1878109117 0.24855409 8.802152e+00
## ENSG00000154736 3.841300e+03    2.1608516272 0.41707996 5.180905e+00
## ENSG00000154743 1.681646e+02    0.4789471995 0.19051707 2.513933e+00
## ENSG00000154760 3.967648e+01    0.2638728562 0.34051416 7.749248e-01
## ENSG00000154764 6.535225e-01    0.0170336025 2.04686779 8.321789e-03
## ENSG00000154767 1.862384e+03    -0.5822893798 0.09109524 -6.392095e+00
## ENSG00000154781 4.127048e+02    -0.1317122634 0.18816187 -6.999944e-01
## ENSG00000154783 3.098272e+01    -0.6413043176 0.59940986 -1.069893e+00
## ENSG00000154803 1.477610e+03    -0.3207799649 0.22111501 -1.450738e+00
## ENSG00000154813 8.487224e+02    0.4001942262 0.12154371 3.292595e+00
## ENSG00000154814 1.102590e+02    0.2373197742 0.20706558 1.146109e+00
## ENSG00000154822 3.100605e+02    -0.0115276613 0.19087155 -6.039486e-02
## ENSG00000154832 7.386867e+02    -0.0471321337 0.15519516 -3.036959e-01
## ENSG00000154839 1.514039e+01    -0.7761432601 0.46947724 -1.653207e+00
## ENSG00000154845 1.535334e+03    0.0691599379 0.13710897 5.044158e-01
## ENSG00000154856 1.592795e+03    1.9148423732 0.66548840 2.877349e+00
## ENSG00000154864 1.363666e+02    -1.5866963912 0.42019220 -3.776120e+00
## ENSG00000154874 3.152242e+02    -0.0060749104 0.41305018 -1.470744e-02
## ENSG00000154889 7.296338e+02    0.3617174086 0.14955405 2.418640e+00
## ENSG00000154898 8.637769e+00    -0.2468453488 0.54860808 -4.499484e-01
## ENSG00000154914 8.065392e+00    1.0968968834 0.73563501 1.491088e+00
## ENSG00000154917 5.095591e+01    -0.2344567563 0.32410257 -7.234029e-01
## ENSG00000154920 1.606355e+01    -0.8160644070 0.50186587 -1.626061e+00
## ENSG00000154928 1.101199e+01    -0.1432993386 0.64204218 -2.231930e-01
## ENSG00000154930 6.726115e+02    1.8696801821 0.30598152 6.110435e+00
## ENSG00000154945 1.204695e+03    0.3492497708 0.08237912 4.239542e+00
## ENSG00000154957 1.804745e+02    -0.0214775269 0.18509663 -1.160341e-01
## ENSG00000154975 0.000000e+00      NA          NA          NA
## ENSG00000154978 1.987058e+03    0.3704266439 0.13041507 2.840367e+00
## ENSG00000154997 1.892345e+01    -0.0869653588 0.39104898 -2.223899e-01
## ENSG00000155008 6.099727e+02    0.7074231301 0.18222832 3.882070e+00
## ENSG00000155011 1.250451e+01    -1.6309986235 0.57859274 -2.818906e+00
## ENSG00000155016 1.303409e+03    0.2410823298 0.17064465 1.412774e+00
## ENSG00000155026 4.998799e+00    -0.6589210210 0.75715199 -8.702626e-01
## ENSG00000155034 2.871359e+02    0.3105694815 0.17230733 1.802416e+00

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## ENSG00000155052 2.583715e+00    0.1535956459  1.09517645  1.402474e-01
## ENSG00000155066 1.950468e+01    0.0548993840  0.42922179  1.279045e-01
## ENSG00000155070 7.415716e-01    1.1102484170  2.02574709  5.480686e-01
## ENSG00000155085 1.476322e+02    -0.3272338077  0.25614903  -1.277513e+00
## ENSG00000155087 2.855509e-01    0.6955464566  3.52545350  1.972928e-01
## ENSG00000155090 6.876549e+02    -0.5915006662  0.22338056  -2.647951e+00
## ENSG00000155093 1.799336e+01    0.0552921680  0.69533000  7.951932e-02
## ENSG00000155096 2.267031e+03    -0.1666268823  0.11914512  -1.398520e+00
## ENSG00000155097 1.692696e+03    0.2038798831  0.09657927  2.111011e+00
## ENSG00000155099 3.677419e+02    -0.1791025191  0.17179791  -1.042519e+00
## ENSG00000155100 2.004628e+02    0.2339861850  0.16017072  1.460855e+00
## ENSG00000155111 8.400864e+02    -0.1562696874  0.17468857  -8.945616e-01
## ENSG00000155115 3.990112e+02    0.0636076141  0.15707473  4.049513e-01
## ENSG00000155158 3.598808e+02    -0.2347066979  0.17371059  -1.351136e+00
## ENSG00000155189 2.481411e+02    0.5845331339  0.25430082  2.298589e+00
## ENSG00000155229 1.175164e+03    0.0694258990  0.11494105  6.040131e-01
## ENSG00000155249 0.000000e+00      NA        NA        NA
## ENSG00000155252 1.184316e+03    -0.2460036887  0.10259882  -2.397724e+00
## ENSG00000155254 2.485329e+03    0.1230410444  0.09354285  1.315344e+00
## ENSG00000155256 4.161978e+02    -0.1020779733  0.12491071  -8.172075e-01
## ENSG00000155265 1.060739e-01    -0.5479727975  3.53381154  -1.550657e-01
## ENSG00000155269 2.269646e+01    -1.7728616757  0.51778385  -3.423942e+00
## ENSG00000155275 1.845419e+02    0.0301285089  0.19927031  1.511942e-01
## ENSG00000155287 4.950985e+02    -0.0800636058  0.16739476  -4.782922e-01
## ENSG00000155304 7.415780e+02    0.0277366103  0.10780670  2.572809e-01
## ENSG00000155307 6.351825e-01    -0.3632249416  2.12060534  -1.712836e-01
## ENSG00000155313 1.633411e+03    -0.2687665256  0.14176687  -1.895835e+00
## ENSG00000155324 7.086188e+02    1.2488481149  0.34461238  3.623921e+00
## ENSG00000155329 1.735761e+02    0.1971655035  0.20210747  9.755478e-01
## ENSG00000155330 1.093525e+02    -0.0538828367  0.30525306  -1.765186e-01
## ENSG00000155363 8.607348e+02    -0.2029646162  0.19713401  -1.029577e+00
## ENSG00000155366 4.157726e+03    0.0995165173  0.15116925  6.583119e-01
## ENSG00000155367 1.480518e+01    0.3729883499  0.46207345  8.072058e-01
## ENSG00000155368 7.526088e+02    0.2191812941  0.15539695  1.410461e+00
## ENSG00000155380 3.850331e+02    -0.2248274821  0.12306701  -1.826870e+00
## ENSG00000155393 2.399010e+02    0.5350742229  0.36236938  1.476599e+00
## ENSG00000155428 5.897898e+00    -0.0583135907  1.17293460  -4.971598e-02
## ENSG00000155438 4.135849e+02    0.1910649455  0.21807050  8.761613e-01
## ENSG00000155463 1.898553e+03    -0.1408383581  0.08875972  -1.586737e+00
## ENSG00000155465 1.459433e+02    0.1744784713  0.21936364  7.953846e-01
## ENSG00000155495 2.130927e-01    -1.2312738004  3.52871919  -3.489294e-01
## ENSG00000155506 4.275375e+03    0.2611574697  0.14262585  1.831067e+00
## ENSG00000155508 7.864520e+02    0.4981666177  0.15955818  3.122163e+00
## ENSG00000155511 2.875440e+03    0.8664956548  0.27173860  3.188710e+00
## ENSG00000155530 3.147854e+00    0.2606911558  0.98089601  2.657684e-01
## ENSG00000155542 5.692051e+01    -0.3195352311  0.30895525  -1.034244e+00
## ENSG00000155545 4.475216e+02    -0.0145198292  0.17061995  -8.510042e-02
## ENSG00000155561 8.605483e+02    -0.2781869091  0.14796697  -1.880061e+00
## ENSG00000155592 2.190804e+02    -0.1662404822  0.15169962  -1.095853e+00
## ENSG00000155621 2.360406e+02    -0.0658184435  0.18089949  -3.638398e-01
## ENSG00000155622 4.972884e-01    2.5279719073  2.95918648  8.542794e-01
## ENSG00000155629 5.394649e+01    -0.2753170787  0.59976380  -4.590425e-01
## ENSG00000155636 2.084995e+02    0.1111170785  0.19659678  5.652030e-01
## ENSG00000155640 1.126649e+02    -0.3106958567  0.28420303  -1.093218e+00

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## ENSG00000155657 4.708963e+02 -0.0020385940 0.31164162 -6.541469e-03
## ENSG00000155659 0.000000e+00 NA NA NA
## ENSG00000155660 3.867208e+03 -0.3028398360 0.19681388 -1.538712e+00
## ENSG00000155666 6.228258e+01 -0.4237627938 0.35639420 -1.189028e+00
## ENSG00000155714 1.111888e+00 0.2593943703 1.85094668 1.401415e-01
## ENSG00000155719 1.113469e+00 -0.0916412772 1.81007139 -5.062854e-02
## ENSG00000155729 4.632163e+02 0.0141204273 0.16398393 8.610860e-02
## ENSG00000155744 3.397078e+02 -0.0825097651 0.12315903 -6.699449e-01
## ENSG00000155749 2.178928e+01 1.3839288287 0.42027714 3.292896e+00
## ENSG00000155754 2.422613e+01 -0.6793664979 0.43400893 -1.565328e+00
## ENSG00000155755 8.841577e+02 -0.3343780496 0.24522171 -1.363574e+00
## ENSG00000155760 1.736889e+03 -0.4238552275 0.21428608 -1.977988e+00
## ENSG00000155761 8.777367e-01 0.4591947279 1.95409585 2.349909e-01
## ENSG00000155792 3.292418e+01 -0.5798164105 0.38313316 -1.513355e+00
## ENSG00000155816 3.810705e+02 0.5551074431 0.31896738 1.740327e+00
## ENSG00000155827 1.306712e+03 -0.3551003453 0.09189229 -3.864311e+00
## ENSG00000155833 1.339006e+00 0.0569132522 1.48937127 3.821294e-02
## ENSG00000155846 1.735234e+01 -0.0209299726 0.47921173 -4.367584e-02
## ENSG00000155849 3.103966e+01 1.2239039878 0.63089841 1.939938e+00
## ENSG00000155850 6.782413e+02 0.2909871895 0.12905991 2.254667e+00
## ENSG00000155858 1.372853e+02 0.3048854430 0.19584716 1.556752e+00
## ENSG00000155868 1.706824e+02 -0.0017325869 0.20475694 -8.461676e-03
## ENSG00000155875 3.320000e+00 -0.4444680349 1.03138663 -4.309422e-01
## ENSG00000155876 2.010643e+03 0.1603654901 0.10483323 1.529720e+00
## ENSG00000155886 7.349849e+00 0.1199198990 0.58689978 2.043277e-01
## ENSG00000155890 0.000000e+00 NA NA NA
## ENSG00000155893 4.445108e+02 -0.7677679083 0.19473946 -3.942539e+00
## ENSG00000155897 2.400886e+01 -3.4426741219 0.76246501 -4.515190e+00
## ENSG00000155903 8.110196e+02 0.1625615722 0.16194093 1.003833e+00
## ENSG00000155906 4.609170e+02 0.1797174428 0.16500324 1.089175e+00
## ENSG00000155918 8.613443e-01 -1.0775670344 1.95930773 -5.499734e-01
## ENSG00000155926 2.575535e+00 0.9844715369 1.29144498 7.623023e-01
## ENSG00000155957 8.931165e+02 0.2624596948 0.14585158 1.799498e+00
## ENSG00000155959 5.409951e+02 0.1057839212 0.16051094 6.590449e-01
## ENSG00000155961 9.564911e+00 -1.0211778227 0.86361582 -1.182445e+00
## ENSG00000155962 3.997733e+02 -1.1222848503 0.15773367 -7.115062e+00
## ENSG00000155966 3.730966e+00 -1.0061115293 1.44987514 -6.939298e-01
## ENSG00000155970 2.594535e+02 -0.1608127593 0.24738837 -6.500417e-01
## ENSG00000155974 6.522252e+00 1.4839727537 1.26538348 1.172745e+00
## ENSG00000155975 9.680094e+02 0.5266426833 0.14545454 3.620669e+00
## ENSG00000155980 4.436917e+01 -0.4569545401 0.32754821 -1.395076e+00
## ENSG00000156006 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000156009 3.648626e-01 -1.8995343260 3.25889304 -5.828772e-01
## ENSG00000156011 2.015890e+03 -0.5790740120 0.19429515 -2.980383e+00
## ENSG00000156017 3.944688e+02 -0.2789405138 0.24184594 -1.153381e+00
## ENSG00000156026 9.140666e+02 0.2581145253 0.21627868 1.193435e+00
## ENSG00000156030 8.344141e+02 -0.0587528283 0.18597374 -3.159200e-01
## ENSG00000156042 1.395777e+02 0.0022536859 0.30016173 7.508239e-03
## ENSG00000156049 8.181883e+01 -0.1363945361 0.37306498 -3.656053e-01
## ENSG00000156050 1.967346e+02 -0.7438373605 0.18584989 -4.002356e+00
## ENSG00000156052 1.683873e+03 0.3274435982 0.13685125 2.392697e+00
## ENSG00000156076 3.436660e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000156096 2.860233e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000156097 2.899473e+00 -0.6361632448 0.94959983 -6.699277e-01

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## ENSG00000156103 3.325486e+01 -0.1674112147 0.69021692 -2.425487e-01
## ENSG00000156110 4.176401e+02 -0.0497927079 0.13345654 -3.731005e-01
## ENSG00000156113 8.676944e+02 -0.5966962509 0.20007463 -2.982368e+00
## ENSG00000156127 7.122087e-01 -1.2212530691 3.44161030 -3.548493e-01
## ENSG00000156136 2.061641e+02 0.0458564081 0.16026808 2.861232e-01
## ENSG00000156140 2.399567e+02 0.5929119369 0.39996520 1.482409e+00
## ENSG00000156150 9.260924e+01 -0.2170104004 0.20409889 -1.063261e+00
## ENSG00000156162 1.309686e+03 0.3073757130 0.15666282 1.962021e+00
## ENSG00000156170 1.428272e+02 -0.2271223299 0.19803792 -1.146863e+00
## ENSG00000156171 1.341166e+03 -0.1035710205 0.12647633 -8.188965e-01
## ENSG00000156172 5.380455e+01 0.0677016009 0.39623154 1.708637e-01
## ENSG00000156194 5.325009e+01 -0.7496983494 0.63211838 -1.186009e+00
## ENSG00000156206 7.263068e-01 -0.4715709443 2.95036401 -1.598348e-01
## ENSG00000156218 9.154001e+01 -0.0298204894 0.19388465 -1.538053e-01
## ENSG00000156219 6.356053e+00 -0.1543155598 0.72492605 -2.128708e-01
## ENSG00000156222 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000156232 3.235269e+02 0.5446939269 0.18212600 2.990753e+00
## ENSG00000156234 0.000000e+00 NA NA NA
## ENSG00000156239 2.992514e+02 -0.4985542922 0.19019393 -2.621294e+00
## ENSG00000156253 3.995003e+02 0.0424454213 0.15610071 2.719105e-01
## ENSG00000156256 1.054463e+03 0.2007309376 0.11670575 1.719975e+00
## ENSG00000156261 2.428992e+03 0.3065861300 0.09486760 3.231727e+00
## ENSG00000156265 5.207862e+02 0.2451202227 0.38789072 6.319311e-01
## ENSG00000156269 1.645237e+00 0.6812827738 1.78211929 3.822880e-01
## ENSG00000156273 1.457333e+03 0.0952250123 0.22416799 4.247931e-01
## ENSG00000156282 0.000000e+00 NA NA NA
## ENSG00000156284 0.000000e+00 NA NA NA
## ENSG00000156298 1.408429e+00 1.5679227874 1.78230220 8.797177e-01
## ENSG00000156299 4.530411e+00 -0.4879950135 1.17034349 -4.169673e-01
## ENSG00000156304 9.640230e+02 0.0209175945 0.14911318 1.402800e-01
## ENSG00000156313 1.247255e+02 0.4962230255 0.28070778 1.767757e+00
## ENSG00000156345 1.556028e+02 -0.4677130858 0.26196319 -1.785415e+00
## ENSG00000156374 1.828595e+02 0.2567117510 0.17530303 1.464389e+00
## ENSG00000156381 2.150119e+02 0.0484691738 0.19604494 2.472350e-01
## ENSG00000156384 8.024298e+01 0.0707522682 0.24080498 2.938156e-01
## ENSG00000156395 0.000000e+00 NA NA NA
## ENSG00000156398 6.931431e+01 0.2888907973 0.54814523 5.270333e-01
## ENSG00000156411 6.866504e+02 -0.0428514692 0.12880746 -3.326785e-01
## ENSG00000156413 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000156414 1.744705e+01 0.7099893979 1.06035961 6.695742e-01
## ENSG00000156427 4.527179e+01 0.5710483459 0.77947126 7.326099e-01
## ENSG00000156453 1.380785e+01 -1.3752375386 0.83395444 -1.649056e+00
## ENSG00000156463 1.112369e+01 0.4874822457 0.51622259 9.443257e-01
## ENSG00000156466 7.669784e+00 -1.5231274283 0.78087011 -1.950552e+00
## ENSG00000156467 2.424332e+03 -0.2279624814 0.12550119 -1.816417e+00
## ENSG00000156469 2.263273e+02 0.0144623486 0.12832475 1.127012e-01
## ENSG00000156471 2.282942e+03 -0.4580262746 0.15594024 -2.937191e+00
## ENSG00000156475 1.137819e+01 -0.3167392028 0.70577092 -4.487847e-01
## ENSG00000156482 8.761288e+03 -0.0815382368 0.16824237 -4.846475e-01
## ENSG00000156486 2.052515e+02 0.0145614659 0.21810674 6.676302e-02
## ENSG00000156500 6.768785e+01 -0.2872917241 0.24519247 -1.171699e+00
## ENSG00000156502 3.266580e+02 -0.1915460795 0.15342603 -1.248459e+00
## ENSG00000156504 4.407770e+02 0.1078129960 0.14479151 7.446085e-01
## ENSG00000156508 2.567398e+05 -0.2508679360 0.11682110 -2.147454e+00

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## ENSG00000156509 4.979506e+00 0.0610970817 0.71334488 8.564873e-02
## ENSG00000156510 2.184351e+00 0.6663616287 1.50641114 4.423504e-01
## ENSG00000156515 2.469390e+03 0.2171474942 0.15566764 1.394943e+00
## ENSG00000156521 2.878160e+02 0.4056480268 0.18710237 2.168054e+00
## ENSG00000156531 5.925858e+02 -0.0877892026 0.10466722 -8.387459e-01
## ENSG00000156535 3.927013e+03 0.1139425481 0.18807037 6.058506e-01
## ENSG00000156564 0.000000e+00 NA NA NA
## ENSG00000156574 2.838554e+00 0.8269319946 1.16478921 7.099413e-01
## ENSG00000156575 0.000000e+00 NA NA NA
## ENSG00000156587 1.361365e+03 -0.0359841001 0.17635541 -2.040431e-01
## ENSG00000156599 2.524343e+03 0.2461528667 0.11632134 2.116145e+00
## ENSG00000156603 2.110841e+02 -0.0504607963 0.14842086 -3.399845e-01
## ENSG00000156639 2.092168e+03 -0.0349172733 0.21752589 -1.605201e-01
## ENSG00000156642 2.629640e+03 0.1818713625 0.14098711 1.289986e+00
## ENSG00000156650 9.346308e+02 -0.0692449850 0.10403054 -6.656217e-01
## ENSG00000156671 1.569570e+03 0.5674846533 0.15353264 3.696182e+00
## ENSG00000156675 1.636121e+03 1.4513176415 0.35550481 4.082414e+00
## ENSG00000156687 0.000000e+00 NA NA NA
## ENSG00000156689 4.687730e+01 0.4582823072 0.55797281 8.213345e-01
## ENSG00000156697 3.562159e+02 0.0789049687 0.16247184 4.856532e-01
## ENSG00000156709 4.235084e+02 -0.0963482447 0.13844090 -6.959521e-01
## ENSG00000156711 3.068325e+02 0.2941121124 0.43024187 6.835971e-01
## ENSG00000156735 5.500870e+02 0.2320570351 0.15299375 1.516775e+00
## ENSG00000156738 0.000000e+00 NA NA NA
## ENSG00000156755 0.000000e+00 NA NA NA
## ENSG00000156787 1.392820e+02 0.0236514846 0.15034603 1.573137e-01
## ENSG00000156795 8.673521e+01 0.4111680692 0.20943327 1.963241e+00
## ENSG00000156802 4.247195e+02 -0.1892392011 0.13853931 -1.365960e+00
## ENSG00000156804 3.733327e+03 1.0984546050 0.21670442 5.068907e+00
## ENSG00000156831 2.755218e+02 0.0883238147 0.12461761 7.087587e-01
## ENSG00000156853 1.971990e+02 -0.0851593824 0.13619422 -6.252790e-01
## ENSG00000156858 4.329425e+02 0.1144369135 0.20547854 5.569288e-01
## ENSG00000156860 1.095716e+03 0.2295128427 0.13267768 1.729853e+00
## ENSG00000156869 1.989993e+02 -1.1425289692 0.34083906 -3.352107e+00
## ENSG00000156873 2.795834e+02 0.0250946675 0.12822926 1.957016e-01
## ENSG00000156875 1.040698e+03 0.1769827225 0.10993234 1.609924e+00
## ENSG00000156876 5.746837e+01 -0.7449595809 0.23262796 -3.202365e+00
## ENSG00000156885 0.000000e+00 NA NA NA
## ENSG00000156886 4.750179e+00 -0.4958885310 1.06671109 -4.648761e-01
## ENSG00000156920 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000156925 7.836072e-01 -1.1667942165 2.36471228 -4.934191e-01
## ENSG00000156928 3.141558e+02 0.3689227779 0.13226119 2.789350e+00
## ENSG00000156931 8.310101e+02 -0.3865387122 0.10221546 -3.781607e+00
## ENSG00000156958 2.856450e+02 0.0791548081 0.15941506 4.965328e-01
## ENSG00000156959 1.914515e+00 0.8370196140 1.39704303 5.991366e-01
## ENSG00000156966 9.478563e+00 -0.0831886719 0.55905216 -1.488031e-01
## ENSG00000156968 7.355149e+01 0.4017149926 0.28018196 1.433765e+00
## ENSG00000156970 2.404223e+01 -0.3064997200 0.50687539 -6.046846e-01
## ENSG00000156973 2.832880e+02 -0.1361861540 0.13319216 -1.022479e+00
## ENSG00000156976 6.266109e+03 -0.1847564788 0.06758415 -2.733725e+00
## ENSG00000156983 3.787034e+02 -0.0319255965 0.14685884 -2.173897e-01
## ENSG00000156990 2.808949e+02 0.0390222241 0.14283411 2.731996e-01
## ENSG00000157005 4.363366e+00 -1.7535453304 1.31346812 -1.335050e+00
## ENSG00000157014 8.550792e+02 0.2474596304 0.17817668 1.388844e+00

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## ENSG00000157017 6.106004e+00 0.0275715475 0.89613349 3.076723e-02
## ENSG00000157020 1.518145e+03 -0.1564355573 0.14369627 -1.088654e+00
## ENSG00000157021 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000157036 2.614922e+02 0.3980473689 0.22480512 1.770633e+00
## ENSG00000157045 4.964019e+02 0.1248532793 0.19489028 6.406337e-01
## ENSG00000157060 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000157064 1.822725e+01 1.5596799284 0.94363421 1.652844e+00
## ENSG00000157077 8.640260e+02 -0.0856535377 0.14636460 -5.852067e-01
## ENSG00000157087 5.509985e-01 1.5128024386 2.45828368 6.153897e-01
## ENSG00000157093 0.000000e+00 NA NA NA
## ENSG00000157103 0.000000e+00 NA NA NA
## ENSG00000157106 3.272163e+03 0.0264209684 0.14469758 1.825944e-01
## ENSG00000157107 8.772084e+02 0.4860599765 0.14011025 3.469125e+00
## ENSG00000157110 3.434937e+03 0.8149646838 0.10848830 7.512005e+00
## ENSG00000157111 4.067208e+01 0.2971149442 0.43568547 6.819482e-01
## ENSG00000157119 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000157131 0.000000e+00 NA NA NA
## ENSG00000157150 1.944192e+02 2.9087835817 0.26851942 1.083267e+01
## ENSG00000157152 3.934072e+01 2.7616094545 0.39456653 6.999097e+00
## ENSG00000157168 8.000376e+01 -1.2364547000 0.52548318 -2.352986e+00
## ENSG00000157181 4.724734e+02 0.0302727781 0.12725815 2.378848e-01
## ENSG00000157184 2.532980e+02 -0.2065950463 0.17967446 -1.149830e+00
## ENSG00000157191 1.276221e+03 0.1249748984 0.13870733 9.009971e-01
## ENSG00000157193 9.643833e+01 0.1211650794 0.34305787 3.531914e-01
## ENSG00000157211 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000157212 3.372888e+02 -0.1749587786 0.11862974 -1.474831e+00
## ENSG00000157214 3.042424e+03 1.9978206836 0.21387964 9.340864e+00
## ENSG00000157216 1.560715e+03 0.7090975065 0.19615461 3.614993e+00
## ENSG00000157219 0.000000e+00 NA NA NA
## ENSG00000157224 7.132431e+02 0.2691038730 0.13254816 2.030235e+00
## ENSG00000157227 2.844766e+04 -0.1606955092 0.13727702 -1.170593e+00
## ENSG00000157240 2.007211e+03 0.1668661711 0.19481411 8.565405e-01
## ENSG00000157259 1.071862e+03 0.0105869622 0.09394073 1.126983e-01
## ENSG00000157303 4.603354e+00 -2.3252858813 1.44660220 -1.607412e+00
## ENSG00000157315 9.287894e+00 -0.2812018717 0.67178819 -4.185871e-01
## ENSG00000157322 4.759368e+00 -0.6367390297 0.77308254 -8.236365e-01
## ENSG00000157326 4.508782e+02 0.1159758973 0.21315106 5.441019e-01
## ENSG00000157330 7.368324e+00 -0.7683136654 0.83328697 -9.220277e-01
## ENSG00000157335 1.070439e+00 1.9108903880 1.82660645 1.046142e+00
## ENSG00000157343 1.589605e+01 0.7459911908 0.47609193 1.566906e+00
## ENSG00000157349 4.714937e+02 0.1683962633 0.12967409 1.298612e+00
## ENSG00000157350 5.128573e+02 -0.2388251556 0.22607857 -1.056381e+00
## ENSG00000157353 2.249459e+02 0.0569054709 0.20623456 2.759260e-01
## ENSG00000157368 5.397354e+01 -2.1154209234 0.50740221 -4.169120e+00
## ENSG00000157379 3.175024e+02 -0.0495890527 0.22400329 -2.213765e-01
## ENSG00000157388 8.763686e+00 -0.6105768499 0.58839766 -1.037694e+00
## ENSG00000157399 6.809601e+01 -0.1766596516 0.58467659 -3.021494e-01
## ENSG00000157404 4.710585e+02 -0.5204760277 0.20984466 -2.480292e+00
## ENSG00000157423 3.085241e+01 -0.0116614337 0.37780360 -3.086639e-02
## ENSG00000157426 2.723805e+02 -0.1035077804 0.12974176 -7.977985e-01
## ENSG00000157429 7.797388e+01 -0.3735120141 0.21704226 -1.720918e+00
## ENSG00000157445 1.156005e+02 -0.7544286485 0.38961957 -1.936321e+00
## ENSG00000157450 8.683671e+02 0.2729756819 0.14531793 1.878472e+00
## ENSG00000157456 4.192746e+01 0.2599207259 0.30647082 8.481092e-01

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## ENSG00000157470 7.543071e+00 0.2700392345 1.32353429 2.040289e-01
## ENSG00000157483 2.336564e+03 0.8522087963 0.26129873 3.261435e+00
## ENSG00000157500 1.251597e+03 0.0192272523 0.11643160 1.651377e-01
## ENSG00000157502 5.500435e+00 3.0970541346 1.37066723 2.259523e+00
## ENSG00000157510 5.022453e+02 1.8224813499 0.18808706 9.689562e+00
## ENSG00000157514 2.226724e+03 3.3442829914 0.36279327 9.218150e+00
## ENSG00000157538 1.693811e+03 0.2743319256 0.12447136 2.203976e+00
## ENSG00000157540 9.824776e+02 0.0398946689 0.09995949 3.991084e-01
## ENSG00000157542 3.507744e+01 0.2231576169 0.53901846 4.140074e-01
## ENSG00000157551 1.412152e+01 0.4193611852 0.79391242 5.282210e-01
## ENSG00000157554 4.894562e+00 -0.0212253521 0.75245987 -2.820795e-02
## ENSG00000157557 1.087591e+03 -0.0911392943 0.17160593 -5.310964e-01
## ENSG00000157570 4.467939e+01 -0.3985256419 0.40949967 -9.732014e-01
## ENSG00000157578 2.180455e+01 -1.1197415074 0.39251661 -2.852724e+00
## ENSG00000157593 1.831500e+03 0.1548506134 0.10088075 1.534987e+00
## ENSG00000157600 2.566187e+02 0.1147969818 0.20090911 5.713876e-01
## ENSG00000157601 2.592924e+02 -0.5094694577 0.20600483 -2.473095e+00
## ENSG00000157613 2.823899e+03 -0.9675409647 0.10783146 -8.972715e+00
## ENSG00000157617 9.725801e+02 1.0945847421 0.28895229 3.788116e+00
## ENSG00000157625 6.211757e+02 -0.1864873491 0.12813798 -1.455364e+00
## ENSG00000157637 2.646423e+03 0.2320579169 0.10336805 2.244968e+00
## ENSG00000157653 1.040891e+01 -0.0554936359 0.71523533 -7.758794e-02
## ENSG00000157654 2.082930e+02 0.8644274260 0.55297545 1.563229e+00
## ENSG00000157657 6.648106e+02 -0.5882243722 0.23130495 -2.543069e+00
## ENSG00000157680 8.220282e+02 0.8002200463 0.48104823 1.663492e+00
## ENSG00000157693 2.378484e+02 -0.4227754675 0.19434008 -2.175442e+00
## ENSG00000157703 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000157734 4.418562e+01 0.1332846776 0.26926065 4.950024e-01
## ENSG00000157741 6.118594e+02 -0.2160722770 0.15608955 -1.384284e+00
## ENSG00000157764 6.967219e+02 0.0466457001 0.13186545 3.537371e-01
## ENSG00000157765 4.003655e+00 -0.4713880226 1.02955346 -4.578568e-01
## ENSG00000157766 2.707834e+02 1.2033847121 1.27887406 9.409720e-01
## ENSG00000157778 1.491127e+02 0.1748123039 0.15323884 1.140783e+00
## ENSG00000157782 1.215851e+01 0.1408648012 0.70973994 1.984738e-01
## ENSG00000157796 1.700233e+03 0.3560719065 0.14886791 2.391865e+00
## ENSG00000157800 9.419513e+02 -0.0069859071 0.17441571 -4.005320e-02
## ENSG00000157823 9.682479e+02 0.1157982463 0.16652994 6.953599e-01
## ENSG00000157827 1.655849e+03 0.5614883116 0.18665882 3.008100e+00
## ENSG00000157833 1.968840e+02 -0.0020899810 0.24273029 -8.610302e-03
## ENSG00000157837 1.081228e+03 -0.1100075149 0.09961421 -1.104336e+00
## ENSG00000157851 2.805812e+00 -0.6992836031 1.19759157 -5.839083e-01
## ENSG00000157856 9.186424e-01 1.6438562307 2.69113042 6.108423e-01
## ENSG00000157869 2.784402e+02 0.0875199076 0.18308495 4.780290e-01
## ENSG00000157870 2.002244e+02 0.2790471572 0.16213927 1.721034e+00
## ENSG00000157873 2.782550e+02 -0.3038152422 0.26445598 -1.148831e+00
## ENSG00000157881 1.059035e+01 0.2799679760 0.69623237 4.021186e-01
## ENSG00000157884 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000157890 4.095283e+00 0.3253215909 1.30596705 2.491040e-01
## ENSG00000157895 3.115292e+02 -0.0307249958 0.15044670 -2.042251e-01
## ENSG00000157911 3.047260e+02 -0.2891921381 0.15963225 -1.811615e+00
## ENSG00000157916 2.493101e+03 0.2045766889 0.08368569 2.444584e+00
## ENSG00000157927 5.398360e+01 0.1014648878 0.41280851 2.457917e-01
## ENSG00000157933 2.171057e+03 -0.0440637259 0.14400595 -3.059855e-01
## ENSG00000157954 2.075122e+03 0.2801564676 0.12343995 2.269577e+00

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## ENSG00000157965 0.000000e+00 NA NA NA
## ENSG00000157978 5.314841e+02 0.0645551893 0.13727050 4.702772e-01
## ENSG00000157985 1.091015e+03 -0.0038607848 0.16839762 -2.292660e-02
## ENSG00000157992 6.630038e+00 -0.6396048118 0.69083230 -9.258467e-01
## ENSG00000157999 8.231505e+00 -0.6016281213 0.67644779 -8.893933e-01
## ENSG00000158006 2.223270e+02 -0.4040957139 0.14383960 -2.809350e+00
## ENSG00000158008 4.272846e+01 -0.3140140687 0.46005207 -6.825620e-01
## ENSG00000158014 1.440422e+01 0.2800726804 0.48234692 5.806457e-01
## ENSG00000158019 7.689129e+02 -0.0103721792 0.11131688 -9.317706e-02
## ENSG00000158022 3.348192e+00 3.0813655302 1.27057963 2.425165e+00
## ENSG00000158023 9.754168e+01 -0.2068960062 0.33964258 -6.091580e-01
## ENSG00000158042 5.099564e+02 -0.4539153549 0.24238854 -1.872677e+00
## ENSG00000158050 2.466572e+00 1.3129942625 1.15231330 1.139442e+00
## ENSG00000158055 1.589850e+00 -3.1741839211 1.67646863 -1.893375e+00
## ENSG00000158062 1.775151e+02 -0.4564324216 0.17477406 -2.611557e+00
## ENSG00000158077 2.696950e+00 -0.3924311046 1.04589230 -3.752118e-01
## ENSG00000158079 3.106470e+02 0.9650651196 0.14550797 6.632387e+00
## ENSG00000158089 3.303646e+01 -0.1877339317 0.52940293 -3.546145e-01
## ENSG00000158092 5.902941e+02 -0.2794127531 0.19234783 -1.452643e+00
## ENSG00000158104 5.292357e+01 0.5602704261 0.28070503 1.995940e+00
## ENSG00000158106 7.202527e+00 -0.2692899475 0.77680425 -3.466638e-01
## ENSG00000158109 1.849925e+03 0.0931287167 0.11193796 8.319672e-01
## ENSG00000158113 3.088741e+01 -0.0817993002 0.35313041 -2.316405e-01
## ENSG00000158122 8.640552e+02 0.8655270726 0.19477688 4.443685e+00
## ENSG00000158125 2.652877e+01 0.8865176730 0.56954660 1.556532e+00
## ENSG00000158156 1.695828e+02 0.3388829698 0.19048488 1.779054e+00
## ENSG00000158158 2.278085e+02 0.2884824296 0.18528322 1.556981e+00
## ENSG00000158161 5.881175e+02 -0.0853285404 0.11314672 -7.541407e-01
## ENSG00000158163 1.567474e+02 0.2128592963 0.26246730 8.109936e-01
## ENSG00000158164 6.889415e+00 -0.5592075853 0.77317865 -7.232579e-01
## ENSG00000158169 2.504945e+02 0.0262917158 0.15755458 1.668737e-01
## ENSG00000158186 1.151738e+03 -0.0654804045 0.12260423 -5.340795e-01
## ENSG00000158195 4.385753e+03 0.2063119100 0.10643315 1.938418e+00
## ENSG00000158201 8.810155e+01 0.6499338510 0.27693433 2.346888e+00
## ENSG00000158220 4.933067e+00 -0.2643614194 0.73135671 -3.614671e-01
## ENSG00000158234 1.319756e+02 0.4617293680 0.31401825 1.470390e+00
## ENSG00000158246 7.091561e+01 2.3445768155 0.24679186 9.500219e+00
## ENSG00000158258 6.623082e+01 0.9502607709 1.19779777 7.933399e-01
## ENSG00000158270 4.493340e+03 -0.0451482496 0.25678591 -1.758206e-01
## ENSG00000158286 9.715441e+01 -0.1120426845 0.31416906 -3.566318e-01
## ENSG00000158290 2.485517e+03 -0.0121854474 0.07317835 -1.665171e-01
## ENSG00000158292 6.330817e+02 -0.8834762402 0.16788393 -5.262423e+00
## ENSG00000158296 9.482296e+01 0.4415451570 0.31399017 1.406239e+00
## ENSG00000158301 3.679619e+02 -0.9195464133 0.18479064 -4.976153e+00
## ENSG00000158315 3.339324e+01 -0.2261717313 0.40892181 -5.530929e-01
## ENSG00000158321 5.547385e+02 0.3767459958 0.29211896 1.289701e+00
## ENSG00000158352 5.359885e+01 -0.3465463026 0.38062244 -9.104726e-01
## ENSG00000158373 1.196666e+02 -0.4589865731 0.22841196 -2.009468e+00
## ENSG00000158402 6.034864e+00 0.1562114583 0.80910194 1.930677e-01
## ENSG00000158406 6.150429e+01 -0.4186907736 0.25400569 -1.648352e+00
## ENSG00000158411 3.280062e+02 -0.0946083804 0.15280602 -6.191404e-01
## ENSG00000158417 3.343238e+03 -0.0101835689 0.08277633 -1.230251e-01
## ENSG00000158423 1.209482e+01 -1.1485010343 0.49992871 -2.297330e+00
## ENSG00000158427 6.104918e+01 -0.0758683725 0.38163215 -1.987997e-01

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## ENSG00000158428 6.255608e+00    0.7919547351 0.81249047  9.747250e-01
## ENSG00000158435 6.549122e+02    0.1222988570 0.18525190  6.601760e-01
## ENSG00000158445 1.117901e+02    0.0806857276 0.56741683  1.421983e-01
## ENSG00000158457 4.723571e+00    0.7000478736 0.87151760  8.032516e-01
## ENSG00000158458 1.795476e+00    -0.7698415171 1.43225800 -5.375020e-01
## ENSG00000158467 5.463668e+02    -0.8156761997 0.19920636 -4.094629e+00
## ENSG00000158470 1.451522e+03    0.2906858399 0.16516754  1.759945e+00
## ENSG00000158473 5.277343e+00    0.7715464022 0.92171940  8.370730e-01
## ENSG00000158477 0.000000e+00      NA        NA        NA
## ENSG00000158480 2.795337e+02    -0.1224093248 0.12914639 -9.478339e-01
## ENSG00000158481 0.000000e+00      NA        NA        NA
## ENSG00000158482 2.883973e+00    0.7702969638 0.91584807  8.410751e-01
## ENSG00000158483 9.832259e+01    -0.6919907543 0.30490004 -2.269566e+00
## ENSG00000158485 0.000000e+00      NA        NA        NA
## ENSG00000158486 4.610646e+00    0.2433932483 0.83183661  2.925974e-01
## ENSG00000158488 0.000000e+00      NA        NA        NA
## ENSG00000158497 0.000000e+00      NA        NA        NA
## ENSG00000158516 2.427115e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000158517 4.392254e+00    -0.4137513550 0.88660372 -4.666700e-01
## ENSG00000158525 1.239145e+00    -1.5721259010 2.15646517 -7.290291e-01
## ENSG00000158526 7.062130e+02    -0.0192548461 0.10443143 -1.843779e-01
## ENSG00000158528 5.584680e+01    -0.6234648680 0.73067921 -8.532676e-01
## ENSG00000158545 8.599066e+02    0.0182032403 0.11946949  1.523673e-01
## ENSG00000158552 3.590992e+02    -0.4301528956 0.12453915 -3.453957e+00
## ENSG00000158553 0.000000e+00      NA        NA        NA
## ENSG00000158555 6.212723e+02    0.7877406960 0.32012198  2.460752e+00
## ENSG00000158560 9.794789e+00    0.2341175339 0.82392613  2.841487e-01
## ENSG00000158571 1.100001e+00    -0.1024268503 1.65603892 -6.185051e-02
## ENSG00000158578 1.361651e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000158604 1.232751e+03    0.0339080823 0.10231779  3.313997e-01
## ENSG00000158615 6.163909e+02    -0.0012300085 0.08868321 -1.386969e-02
## ENSG00000158623 7.149124e+02    -0.2151667812 0.19524519 -1.102034e+00
## ENSG00000158636 4.371398e+02    -0.2850545524 0.16116370 -1.768727e+00
## ENSG00000158639 0.000000e+00      NA        NA        NA
## ENSG00000158669 1.733159e+03    -0.1616527196 0.08091431 -1.997826e+00
## ENSG00000158683 4.645737e+00    0.4469246962 0.89513789  4.992803e-01
## ENSG00000158691 1.581763e+02    -0.1964693840 0.15271830 -1.286482e+00
## ENSG00000158710 9.521930e+03    -0.1632334252 0.19920636 -8.194188e-01
## ENSG00000158711 9.475823e+02    0.0051965858 0.14528466  3.576830e-02
## ENSG00000158714 1.510514e+01    0.6039452883 0.57265044  1.054649e+00
## ENSG00000158715 1.104554e+01    -0.7162871053 0.57832956 -1.238545e+00
## ENSG00000158716 1.598278e+02    1.3099297439 0.22165154  5.909861e+00
## ENSG00000158717 1.615790e+02    -0.2801735564 0.20147600 -1.390605e+00
## ENSG00000158731 0.000000e+00      NA        NA        NA
## ENSG00000158747 1.217261e+04    0.7205654647 0.15321574  4.702947e+00
## ENSG00000158748 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000158764 0.000000e+00      NA        NA        NA
## ENSG00000158769 7.466759e+01    0.7126886361 0.56653041  1.257988e+00
## ENSG00000158773 5.129467e+02    -0.1342672907 0.16800167 -7.992021e-01
## ENSG00000158786 0.000000e+00      NA        NA        NA
## ENSG00000158792 1.066983e+02    0.3571255280 0.24521789  1.456360e+00
## ENSG00000158793 3.786469e+02    -0.0932530554 0.14230634 -6.552980e-01
## ENSG00000158796 6.537846e+02    0.0845507824 0.13965534  6.054246e-01
## ENSG00000158805 3.160849e+02    0.1224676281 0.17041455  7.186454e-01

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## ENSG00000158806 3.475994e+01 -1.0664417233 0.39629149 -2.691054e+00
## ENSG00000158813 8.427273e+01 1.5271126197 0.35204476 4.337837e+00
## ENSG00000158815 7.903020e+00 -0.1732355835 0.62785952 -2.759146e-01
## ENSG00000158816 1.066332e+01 1.3611245293 0.77624546 1.753472e+00
## ENSG00000158825 2.003848e+01 0.0067737925 0.62058941 1.091510e-02
## ENSG00000158828 3.504226e+03 0.3795414800 0.08500993 4.464672e+00
## ENSG00000158850 2.964907e+02 0.1896419444 0.12779599 1.483943e+00
## ENSG00000158856 4.274782e+01 -0.1749245331 0.32579843 -5.369103e-01
## ENSG00000158859 8.995311e+01 0.3808346076 0.47273715 8.055948e-01
## ENSG00000158863 1.438688e+03 0.1778471000 0.14614680 1.216907e+00
## ENSG00000158864 1.327300e+03 -0.0146198101 0.07202245 -2.029896e-01
## ENSG00000158865 1.320668e+00 0.1538693438 2.69540530 5.708579e-02
## ENSG00000158869 2.534758e+00 -0.6064547055 1.08890654 -5.569392e-01
## ENSG00000158874 2.024764e+00 -0.2268655552 1.74660081 -1.298898e-01
## ENSG00000158882 2.024850e+02 -0.1779752997 0.14322697 -1.242610e+00
## ENSG00000158887 1.751696e+01 0.0312520675 0.45157923 6.920617e-02
## ENSG00000158901 1.383536e+00 0.8873139114 1.60582619 5.525591e-01
## ENSG00000158941 1.627586e+03 0.0693372345 0.07549467 9.184389e-01
## ENSG00000158955 1.312018e+00 -1.7853573069 1.87511793 -9.521307e-01
## ENSG00000158966 3.330426e+02 -0.1812861450 0.28206416 -6.427124e-01
## ENSG00000158985 3.912167e+02 0.5472390129 0.15471700 3.537032e+00
## ENSG00000158987 9.766920e+02 -0.5663937559 0.21466875 -2.638455e+00
## ENSG00000159023 3.867497e+02 -0.8164889777 0.23248447 -3.512015e+00
## ENSG00000159055 7.264447e+01 -0.4096572548 0.26742373 -1.531866e+00
## ENSG00000159063 3.991523e+02 0.0205759860 0.15047724 1.367382e-01
## ENSG00000159069 2.050068e+03 0.2108317207 0.14637438 1.440359e+00
## ENSG00000159079 2.936031e+02 0.0832818234 0.17968960 4.634760e-01
## ENSG00000159082 4.606958e+02 -0.4342298339 0.19249110 -2.255844e+00
## ENSG00000159086 6.742088e+02 -0.2101772572 0.16615781 -1.264926e+00
## ENSG00000159110 3.982091e+02 0.2582516988 0.16465768 1.568416e+00
## ENSG00000159111 6.855577e+02 -0.0894822985 0.15787391 -5.667960e-01
## ENSG00000159128 1.470742e+02 -0.0669511406 0.26442794 -2.531924e-01
## ENSG00000159131 1.065090e+03 0.1855273171 0.14828408 1.251161e+00
## ENSG00000159140 6.434761e+03 -0.0154116794 0.07961361 -1.935810e-01
## ENSG00000159147 2.082193e+02 0.1261378728 0.22455896 5.617138e-01
## ENSG00000159164 4.715237e+02 -0.1293556498 0.18186052 -7.112905e-01
## ENSG00000159166 1.533645e+00 4.1500760765 2.16971240 1.912731e+00
## ENSG00000159167 9.177551e+02 2.3486357914 0.69716894 3.368819e+00
## ENSG00000159173 2.385564e+00 -0.3565044622 1.53574294 -2.321381e-01
## ENSG00000159176 3.647201e+03 0.5208054599 0.28963741 1.798129e+00
## ENSG00000159182 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000159184 1.571080e+00 0.2525982576 1.36558738 1.849741e-01
## ENSG00000159186 0.000000e+00 NA NA NA
## ENSG00000159189 0.000000e+00 NA NA NA
## ENSG00000159197 1.921472e+00 0.1172168214 1.26232454 9.285791e-02
## ENSG00000159199 3.588931e+02 0.2191203964 0.24887673 8.804375e-01
## ENSG00000159200 2.895503e+03 1.1696730824 0.41291568 2.832717e+00
## ENSG00000159202 3.038666e+03 0.0883230369 0.07669458 1.151620e+00
## ENSG00000159208 7.525807e+01 -0.2861898952 0.35471873 -8.068080e-01
## ENSG00000159210 8.333048e+02 0.0895489787 0.13459208 6.653362e-01
## ENSG00000159212 7.489849e+02 1.0474560406 0.23866361 4.388838e+00
## ENSG00000159214 7.318571e+01 0.1466061418 0.24476870 5.989579e-01
## ENSG00000159216 3.484732e+03 0.4243954296 0.11922569 3.559597e+00
## ENSG00000159217 1.499959e+02 0.2467187706 0.35367256 6.975909e-01

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## ENSG00000159224 1.785559e+00 -0.3284295734 1.36253681 -2.410427e-01
## ENSG00000159228 1.245074e+03 -0.1009700487 0.13966103 -7.229651e-01
## ENSG00000159231 2.587782e+02 -0.0532154207 0.25552215 -2.082615e-01
## ENSG00000159239 9.793998e+01 -0.5388713307 0.25052922 -2.150932e+00
## ENSG00000159247 0.000000e+00 NA NA NA
## ENSG00000159248 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000159251 4.167940e+00 0.0437764493 1.32583794 3.301795e-02
## ENSG00000159256 7.018425e+02 -0.1381817860 0.13631236 -1.013714e+00
## ENSG00000159259 9.667672e+01 -0.1147556295 0.24290197 -4.724360e-01
## ENSG00000159261 8.607124e-01 -0.9269448266 2.23414753 -4.148987e-01
## ENSG00000159263 2.603721e+01 0.4391646757 0.39113417 1.122798e+00
## ENSG00000159267 7.926035e+02 0.2146535799 0.17277966 1.242354e+00
## ENSG00000159289 1.860309e+00 1.2942122440 1.65102631 7.838835e-01
## ENSG00000159307 1.367322e+02 0.0158242047 0.70941460 2.230600e-02
## ENSG00000159314 3.416726e+01 -0.4889222111 0.44607937 -1.096043e+00
## ENSG00000159322 1.176524e+03 0.1117795183 0.08713505 1.282831e+00
## ENSG00000159335 4.145991e+03 0.2487851647 0.18201691 1.366824e+00
## ENSG00000159337 2.425451e+00 0.3878915114 1.06354655 3.647151e-01
## ENSG00000159339 3.679717e-01 -0.5514013405 3.29193777 -1.675005e-01
## ENSG00000159346 1.634942e+03 0.3106556400 0.12908784 2.406545e+00
## ENSG00000159348 7.912892e+02 -0.0278650837 0.15292608 -1.822128e-01
## ENSG00000159352 1.615348e+03 0.0166354147 0.09058423 1.836458e-01
## ENSG00000159363 3.555028e+02 0.1697108093 0.20014364 8.479451e-01
## ENSG00000159374 2.678960e+00 0.5721082487 1.61544062 3.541500e-01
## ENSG00000159377 2.610457e+03 0.0932333437 0.12204390 7.639328e-01
## ENSG00000159387 1.471569e+00 0.6944600578 2.14921710 3.231223e-01
## ENSG00000159388 9.205013e+02 -0.4037771049 0.17181032 -2.350133e+00
## ENSG00000159398 0.000000e+00 NA NA NA
## ENSG00000159399 9.243482e+02 0.4568343710 0.30511502 1.497253e+00
## ENSG00000159403 4.758533e+04 0.1972852831 0.15540688 1.269476e+00
## ENSG00000159409 6.486181e-01 2.8808614258 3.44854958 8.353835e-01
## ENSG00000159423 4.794201e+02 0.8973588518 0.16943954 5.296042e+00
## ENSG00000159433 7.529043e+02 -0.1480317370 0.27254410 -5.431478e-01
## ENSG00000159445 2.421885e+02 -0.4745539035 0.17241931 -2.752325e+00
## ENSG00000159450 2.656715e+00 2.1781949814 1.89379948 1.150172e+00
## ENSG00000159455 4.570234e-01 -1.0072115861 3.49388180 -2.882787e-01
## ENSG00000159459 8.952410e+02 -0.0312053692 0.12582188 -2.480123e-01
## ENSG00000159461 2.387762e+03 0.1741259828 0.11012325 1.581192e+00
## ENSG00000159479 5.071358e+02 0.1093840794 0.13784216 7.935459e-01
## ENSG00000159495 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000159496 1.034539e+02 -0.3549435135 0.19300021 -1.839084e+00
## ENSG00000159516 0.000000e+00 NA NA NA
## ENSG00000159527 0.000000e+00 NA NA NA
## ENSG00000159556 4.080399e+01 0.7194749138 0.57391977 1.253616e+00
## ENSG00000159579 8.530548e+02 -0.3325925788 0.13043018 -2.549966e+00
## ENSG00000159588 5.593891e+00 -0.2520687832 0.69828776 -3.609812e-01
## ENSG00000159592 1.240668e+03 0.0489689587 0.12079441 4.053909e-01
## ENSG00000159593 7.221601e+02 0.2833784323 0.09522161 2.975989e+00
## ENSG00000159596 4.105717e+02 -0.3203244131 0.13552292 -2.363618e+00
## ENSG00000159618 2.855509e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000159625 1.404041e+00 -0.0862472014 1.54103066 -5.596722e-02
## ENSG00000159640 1.584987e+02 -0.1347237810 0.26214087 -5.139366e-01
## ENSG00000159648 3.912171e+00 -0.0963667041 1.05223829 -9.158259e-02
## ENSG00000159650 0.000000e+00 NA NA NA

```

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## ENSG00000159658 3.413386e+03    0.3092007088 0.10479156  2.950626e+00
## ENSG00000159674 8.755451e+03    -0.9758112377 0.32935644 -2.962782e+00
## ENSG00000159685 1.063638e+02    -0.4015459605 0.19363667 -2.073708e+00
## ENSG00000159692 2.114962e+03    -0.2529371291 0.12943729 -1.954129e+00
## ENSG00000159708 6.926374e+00    -1.8098394900 0.70269381 -2.575573e+00
## ENSG00000159712 6.676938e-01    -1.8529761255 1.99426892 -9.291506e-01
## ENSG00000159713 1.426616e+01    -1.6269533389 0.49774167 -3.268670e+00
## ENSG00000159714 4.040561e+02    -0.0198767546 0.13690706 -1.451843e-01
## ENSG00000159720 1.497032e+03    -0.3887863433 0.08812106 -4.411957e+00
## ENSG00000159723 3.189084e-01    -0.5515216755 3.42514403 -1.610215e-01
## ENSG00000159733 2.101062e+02    0.1330824402 0.14959948  8.895916e-01
## ENSG00000159753 3.918621e+00    0.8973521855 1.11503105  8.047778e-01
## ENSG00000159761 7.053578e+01    0.2099843613 0.29776855  7.051932e-01
## ENSG00000159763 1.447072e+00    1.2119515918 2.59682038  4.667060e-01
## ENSG00000159784 2.193703e+02    -0.4308975227 0.23187468 -1.858321e+00
## ENSG00000159788 4.448338e+02    -0.2198714400 0.17030315 -1.291059e+00
## ENSG00000159792 1.123485e+03    0.3186267503 0.09018652  3.532975e+00
## ENSG00000159840 9.428647e+03    0.7128359908 0.10558374  6.751380e+00
## ENSG00000159842 4.160118e+01    -0.3774775290 0.43742376 -8.629562e-01
## ENSG00000159860 1.859808e+01    1.4844305113 0.60657954  2.447215e+00
## ENSG00000159871 2.319167e+01    -0.3981972379 0.52912591 -7.525567e-01
## ENSG00000159873 5.369901e+02    -0.1820239219 0.16666378 -1.092162e+00
## ENSG00000159882 9.640074e+01    -0.0600014322 0.19670481 -3.050329e-01
## ENSG00000159884 5.563661e+02    1.0626641624 0.12190318  8.717280e+00
## ENSG00000159885 6.461043e+01    -0.4186848639 0.25938211 -1.614162e+00
## ENSG00000159899 1.616212e+03    0.2298554313 0.15966261  1.439632e+00
## ENSG00000159904 3.388034e+00    -1.0436410914 1.31373334 -7.944086e-01
## ENSG00000159905 5.814146e+01    -0.4550906401 0.30185603 -1.507641e+00
## ENSG00000159915 4.867525e+01    -0.5217517959 0.40144209 -1.299694e+00
## ENSG00000159917 7.061518e+01    -0.0148904130 0.27021631 -5.510553e-02
## ENSG00000159921 4.883147e+02    0.1967255830 0.12800553  1.536852e+00
## ENSG00000159958 9.523357e+00    -0.8875652958 0.53426546 -1.661281e+00
## ENSG00000159961 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000160007 2.884036e+03    -0.1707729016 0.09333784 -1.829621e+00
## ENSG00000160013 1.218139e+02    0.6011418592 0.34080677  1.763879e+00
## ENSG00000160014 5.902260e+03    -0.2385655670 0.11182410 -2.133400e+00
## ENSG00000160049 9.401089e+02    -0.2332188846 0.13545677 -1.721722e+00
## ENSG00000160050 7.566323e+01    -0.5356187541 0.20595904 -2.600608e+00
## ENSG00000160051 6.250412e+01    -0.1974427983 0.26070018 -7.573558e-01
## ENSG00000160055 2.156933e+02    -0.2325794475 0.17382981 -1.337972e+00
## ENSG00000160058 1.753975e+03    -0.1813026044 0.09262173 -1.957452e+00
## ENSG00000160062 2.466401e+02    0.2181470144 0.18386097  1.186478e+00
## ENSG00000160072 2.775737e+02    0.4979630936 0.13583703  3.665886e+00
## ENSG00000160075 1.798149e+03    0.1450575192 0.08218871  1.764932e+00
## ENSG00000160087 6.149310e+02    0.0760685189 0.09346155  8.139017e-01
## ENSG00000160094 6.712690e+02    -0.1657969286 0.14159517 -1.170922e+00
## ENSG00000160097 1.456329e+01    -0.9878733258 0.53072305 -1.861373e+00
## ENSG00000160111 4.558223e+01    -0.2484873048 0.27618895 -8.997004e-01
## ENSG00000160113 3.843019e+02    0.0857540348 0.15659797  5.476063e-01
## ENSG00000160117 2.281307e+01    0.2451177914 0.39792149  6.159954e-01
## ENSG00000160124 1.197017e+02    0.0503269532 0.25911087  1.942294e-01
## ENSG00000160131 7.692203e+02    0.1910697016 0.10730020  1.780702e+00
## ENSG00000160145 4.608735e+01    -0.8152251202 0.52142882 -1.563445e+00
## ENSG00000160161 5.400812e+00    0.2440983862 1.22842793  1.987079e-01

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## ENSG00000160172 6.841039e+01 -0.7614471244 0.30327923 -2.510713e+00
## ENSG00000160179 2.122561e+02 0.6615981478 0.52671362 1.256087e+00
## ENSG00000160180 0.000000e+00 NA NA NA
## ENSG00000160181 2.923671e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000160182 0.000000e+00 NA NA NA
## ENSG00000160183 5.932456e-01 1.7120182082 2.87312669 5.958729e-01
## ENSG00000160185 0.000000e+00 NA NA NA
## ENSG00000160188 2.953179e+00 0.3935946601 0.94494812 4.165252e-01
## ENSG00000160190 6.198831e+01 0.6666025583 0.73726875 9.041514e-01
## ENSG00000160191 7.930221e+00 -0.6511097943 0.87813336 -7.414703e-01
## ENSG00000160193 8.985940e+01 0.2348851851 0.22232445 1.056497e+00
## ENSG00000160194 6.253509e+02 -0.0466282472 0.10460365 -4.457612e-01
## ENSG00000160199 3.679057e+02 -0.2532478404 0.18934046 -1.337526e+00
## ENSG00000160200 2.033159e+02 1.0934543406 0.53675583 2.037154e+00
## ENSG00000160201 4.105447e+02 -0.1494556019 0.28247598 -5.290914e-01
## ENSG00000160202 0.000000e+00 NA NA NA
## ENSG00000160207 1.761589e+01 -0.1540270608 0.42639296 -3.612327e-01
## ENSG00000160208 6.325451e+02 -0.0645489296 0.11962153 -5.396096e-01
## ENSG00000160209 2.066909e+03 0.1051174010 0.18500920 5.681739e-01
## ENSG00000160211 3.665069e+03 -0.2753689992 0.27373585 -1.005966e+00
## ENSG00000160213 1.738377e+03 0.2305137222 0.19320732 1.193090e+00
## ENSG00000160214 2.896444e+02 -0.0675561413 0.19872392 -3.399497e-01
## ENSG00000160216 2.090641e+03 0.1179692426 0.14068462 8.385369e-01
## ENSG00000160218 8.343112e+02 0.3660634326 0.16199749 2.259686e+00
## ENSG00000160219 6.572493e+01 0.8304587122 0.27862310 2.980581e+00
## ENSG00000160221 2.656518e+02 -0.0758519056 0.84071991 -9.022256e-02
## ENSG00000160223 1.789592e+01 -0.9855899074 0.48534053 -2.030718e+00
## ENSG00000160224 2.199132e+00 1.4399414698 1.21430282 1.185817e+00
## ENSG00000160226 6.156431e+02 -0.0145696597 0.12955292 -1.124611e-01
## ENSG00000160229 9.109506e+00 0.4308233103 0.69383188 6.209333e-01
## ENSG00000160233 6.575906e+01 0.4536325680 0.57399096 7.903131e-01
## ENSG00000160255 5.147951e+00 -0.4503387794 0.99465614 -4.527583e-01
## ENSG00000160256 1.550958e+02 1.0474972675 0.33929378 3.087287e+00
## ENSG00000160271 6.228322e+02 -0.4426353917 0.13790919 -3.209615e+00
## ENSG00000160282 1.636656e+01 0.1514429985 0.91210716 1.660364e-01
## ENSG00000160284 1.056149e+02 -0.2688529701 0.49256979 -5.458170e-01
## ENSG00000160285 3.805808e+03 -0.0768066645 0.13468507 -5.702686e-01
## ENSG00000160293 5.859464e+02 -0.1053127830 0.12091399 -8.709727e-01
## ENSG00000160294 1.920392e+03 0.0266454794 0.13356681 1.994918e-01
## ENSG00000160298 6.055502e+01 -0.3820570713 0.26108265 -1.463357e+00
## ENSG00000160299 9.893846e+02 -0.2560371902 0.16807338 -1.523366e+00
## ENSG00000160305 8.725851e+02 -0.2309269173 0.13591499 -1.699054e+00
## ENSG00000160307 1.444282e+01 -0.1838108937 0.98753445 -1.861311e-01
## ENSG00000160310 2.204651e+03 -0.1899576881 0.09662588 -1.965909e+00
## ENSG00000160318 5.453861e+00 0.3952153843 0.95575340 4.135119e-01
## ENSG00000160321 1.420028e+01 1.4515032502 0.70873294 2.048026e+00
## ENSG00000160323 9.229401e+01 0.0914389414 0.33225133 2.752102e-01
## ENSG00000160325 1.072538e+02 -0.2242807422 0.20657511 -1.085710e+00
## ENSG00000160326 4.296936e+01 0.0111849360 0.35843403 3.120501e-02
## ENSG00000160336 2.718502e+02 -0.1054995186 0.16700902 -6.316995e-01
## ENSG00000160339 0.000000e+00 NA NA NA
## ENSG00000160345 5.242092e+01 -0.1276255471 0.25850117 -4.937136e-01
## ENSG00000160349 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000160352 6.293422e+01 -0.4210551469 0.44926495 -9.372090e-01

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## ENSG00000160360 1.950528e+03 -0.4141766927 0.12878883 -3.215936e+00
## ENSG00000160392 1.396074e+02 -0.0728754901 0.17801854 -4.093702e-01
## ENSG00000160396 8.022422e+00 -0.3480307918 0.63121540 -5.513661e-01
## ENSG00000160401 2.816088e+01 0.4665563632 0.36468006 1.279358e+00
## ENSG00000160404 1.198741e+02 0.3108676969 0.22099473 1.406675e+00
## ENSG00000160408 3.832739e+03 0.4476176537 0.07540551 5.936140e+00
## ENSG00000160410 1.009197e+03 0.0034718483 0.14165486 2.450921e-02
## ENSG00000160439 6.339046e+01 0.2443864480 0.30576115 7.992724e-01
## ENSG00000160445 2.033633e+03 0.0057856921 0.08239148 7.022197e-02
## ENSG00000160446 2.904276e+02 0.8962682809 0.16898957 5.303690e+00
## ENSG00000160447 6.688392e+01 0.6786507923 0.33548002 2.022925e+00
## ENSG00000160460 1.903210e+02 -1.3157789643 0.31291158 -4.204954e+00
## ENSG00000160469 1.540902e+02 -0.5646715678 0.24438913 -2.310543e+00
## ENSG00000160471 4.495238e+00 -0.2663710022 0.95543891 -2.787944e-01
## ENSG00000160472 3.540424e+00 1.0404163724 1.06782056 9.743363e-01
## ENSG00000160505 0.000000e+00 NA NA NA
## ENSG00000160539 1.778164e+02 0.0394877338 0.38007434 1.038948e-01
## ENSG00000160551 4.034994e+03 0.1412481888 0.15045394 9.388135e-01
## ENSG00000160563 2.840683e+02 0.0510643285 0.12825259 3.981544e-01
## ENSG00000160570 2.443565e+02 -0.2589019903 0.13799216 -1.876208e+00
## ENSG00000160584 1.207908e+03 0.0708464323 0.14926843 4.746244e-01
## ENSG00000160588 4.200118e+00 -0.8014638460 0.80597286 -9.944055e-01
## ENSG00000160593 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000160602 1.154793e+02 0.0355855626 0.27821103 1.279085e-01
## ENSG00000160606 4.806626e+01 -0.1180022063 0.25253176 -4.672767e-01
## ENSG00000160613 2.376688e+03 1.0018772069 0.25744957 3.891547e+00
## ENSG00000160633 1.927552e+03 0.1137792212 0.13898042 8.186708e-01
## ENSG00000160654 1.905519e+01 -1.6214938729 0.75618329 -2.144313e+00
## ENSG00000160678 5.343858e+01 0.5783129455 0.31569523 1.831871e+00
## ENSG00000160679 7.274661e+02 -0.0063319670 0.11126156 -5.691064e-02
## ENSG00000160683 6.970463e+00 6.3372919028 3.03782204 2.086130e+00
## ENSG00000160685 4.221929e+02 -0.2506089687 0.16771079 -1.494292e+00
## ENSG00000160688 2.962705e+02 0.1943683813 0.16085720 1.208329e+00
## ENSG00000160691 6.213281e+03 -0.0851662705 0.18679827 -4.559264e-01
## ENSG00000160695 5.655373e+02 -0.2226217326 0.14063334 -1.582994e+00
## ENSG00000160703 4.277766e+02 0.0512955975 0.22417868 2.288157e-01
## ENSG00000160710 4.885399e+03 -0.1561137156 0.08432891 -1.851248e+00
## ENSG00000160712 7.580895e+02 0.4986278368 0.17870547 2.790221e+00
## ENSG00000160714 1.300444e+03 0.0308549666 0.11700208 2.637130e-01
## ENSG00000160716 2.586552e+00 0.7803271427 1.26741633 6.156834e-01
## ENSG00000160741 5.985099e+02 0.3177591032 0.13117218 2.422458e+00
## ENSG00000160746 1.360939e+03 0.3100296888 0.10953101 2.830520e+00
## ENSG00000160752 8.152557e+02 0.0311077057 0.10391008 2.993714e-01
## ENSG00000160753 6.023594e+02 0.2491024478 0.16800801 1.482682e+00
## ENSG00000160766 1.515890e+02 -0.5830383914 0.26128648 -2.231414e+00
## ENSG00000160767 5.635501e+02 0.2172157199 0.14836326 1.464080e+00
## ENSG00000160781 2.315685e+01 1.0431003663 0.42474541 2.455825e+00
## ENSG00000160783 3.331115e+02 -0.2335841436 0.12428722 -1.879390e+00
## ENSG00000160785 5.110428e+02 0.1877658182 0.12949229 1.450015e+00
## ENSG00000160789 1.441927e+04 0.0858925892 0.13110323 6.551523e-01
## ENSG00000160791 1.697521e+00 -2.3112077657 1.84369524 -1.253574e+00
## ENSG00000160796 1.805200e+02 0.7431919488 0.24578356 3.023766e+00
## ENSG00000160799 2.440935e+02 0.1225081968 0.13905240 8.810218e-01
## ENSG00000160801 6.072767e+01 0.1763400673 0.33189478 5.313132e-01

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## ENSG00000160803 6.200801e+02 -0.1909538146 0.12822131 -1.489252e+00
## ENSG00000160808 1.213275e+01 0.4061890604 0.50840106 7.989540e-01
## ENSG00000160813 1.246522e+02 0.1730018645 0.23884474 7.243277e-01
## ENSG00000160818 3.325565e+02 0.4810079584 0.23005702 2.090821e+00
## ENSG00000160838 1.488783e+00 2.3906685571 1.80133341 1.327166e+00
## ENSG00000160856 2.218490e+00 -0.3853723901 1.14694896 -3.359979e-01
## ENSG00000160862 5.563432e-01 1.7074676538 2.38906966 7.146998e-01
## ENSG00000160867 3.123528e+02 -0.6709361861 0.26411955 -2.540275e+00
## ENSG00000160868 4.572284e+00 -1.2369361576 1.27132478 -9.729506e-01
## ENSG00000160870 2.248954e+02 -0.5107054917 0.96026856 -5.318361e-01
## ENSG00000160877 1.122563e+03 0.1389237133 0.12061464 1.151798e+00
## ENSG00000160882 0.000000e+00 NA NA NA
## ENSG00000160883 3.752894e-01 1.0649639057 3.51183976 3.032496e-01
## ENSG00000160886 1.945480e+01 -0.4634056222 0.49849162 -9.296157e-01
## ENSG00000160888 5.306429e+02 -0.3191944387 0.15488322 -2.060872e+00
## ENSG00000160908 2.091399e+02 0.0233588891 0.16103348 1.450561e-01
## ENSG00000160917 3.538972e+02 -0.3097946954 0.13317392 -2.326242e+00
## ENSG00000160932 1.717765e+03 -0.2028450049 0.15401000 -1.317090e+00
## ENSG00000160948 1.313236e+03 0.0520056971 0.14163729 3.671752e-01
## ENSG00000160949 1.929593e+02 -0.0621847011 0.16405967 -3.790371e-01
## ENSG00000160951 8.120638e+00 -1.3274430933 0.77971990 -1.702461e+00
## ENSG00000160953 8.966336e+02 -0.1356185820 0.14021461 -9.672215e-01
## ENSG00000160957 1.001050e+02 0.4136064996 0.24963783 1.656826e+00
## ENSG00000160959 5.880997e+02 0.1029703208 0.13383347 7.693914e-01
## ENSG00000160961 3.578722e+02 -0.0859102877 0.14647159 -5.865321e-01
## ENSG00000160963 8.375001e-01 -2.0044335600 2.78861900 -7.187908e-01
## ENSG00000160972 4.008511e+02 0.0493822845 0.20031951 2.465176e-01
## ENSG00000160973 4.232474e+00 -1.0650864378 1.11295930 -9.569860e-01
## ENSG00000160991 8.271775e+02 -0.5266016752 0.22254163 -2.366306e+00
## ENSG00000160993 1.761541e+02 -0.1244623688 0.15704116 -7.925462e-01
## ENSG00000160994 0.000000e+00 NA NA NA
## ENSG00000160999 1.684770e+01 -0.2790903618 0.48385656 -5.768039e-01
## ENSG00000161010 7.654558e+02 -0.2028966356 0.09651427 -2.102245e+00
## ENSG00000161011 1.777723e+04 -0.6290439291 0.15405797 -4.083164e+00
## ENSG00000161013 6.508761e+03 0.2012358276 0.17099423 1.176857e+00
## ENSG00000161016 1.510437e+04 0.0252921541 0.18571277 1.361896e-01
## ENSG00000161021 9.149636e+02 0.0727227689 0.17798704 4.085846e-01
## ENSG00000161031 0.000000e+00 NA NA NA
## ENSG00000161036 2.243416e+02 0.0976085421 0.19431653 5.023172e-01
## ENSG00000161040 1.162316e+01 -0.7257054556 0.62215422 -1.166440e+00
## ENSG00000161048 1.689739e+02 -0.3255193180 0.20764969 -1.567637e+00
## ENSG00000161055 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000161057 1.247422e+03 -0.0766545649 0.07886982 -9.719126e-01
## ENSG00000161082 3.808522e+00 -0.5980966838 0.97089165 -6.160283e-01
## ENSG00000161091 8.873211e+02 0.5065831484 0.13555630 3.737068e+00
## ENSG00000161103 3.234749e+01 1.5044812094 0.67694596 2.222454e+00
## ENSG00000161132 3.123738e+00 -0.2599034529 1.05590171 -2.461436e-01
## ENSG00000161133 5.762229e+00 -1.4699940841 2.34846678 -6.259378e-01
## ENSG00000161149 2.753631e+01 -0.2027360675 0.32402549 -6.256794e-01
## ENSG00000161179 1.030852e+02 0.3596146797 0.25222193 1.425787e+00
## ENSG00000161180 3.791170e+00 -0.6102791464 0.89600385 -6.811122e-01
## ENSG00000161202 2.723150e+03 -0.0157482406 0.15057339 -1.045885e-01
## ENSG00000161203 8.355546e+03 0.1109827662 0.12483997 8.890002e-01
## ENSG00000161204 7.597311e+02 -0.0669106618 0.13907909 -4.810979e-01

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## ENSG00000161217 2.232683e+03    0.0391884424 0.09153926  4.281053e-01
## ENSG00000161243 8.974054e+01   -0.0101290159 0.26189333 -3.867611e-02
## ENSG00000161249 1.594870e+03   -0.2279188958 0.37939086 -6.007496e-01
## ENSG00000161265 1.253464e+02    0.0028297214 0.26759090  1.057480e-02
## ENSG00000161267 4.241341e+01    1.5656766362 0.37812888  4.140590e+00
## ENSG00000161270 9.748838e-01    1.5815039916 1.76136661  8.978846e-01
## ENSG00000161277 1.911067e+02    0.0179652440 0.19503691  9.211202e-02
## ENSG00000161281 3.294038e+02    0.2924086901 0.16760187  1.744662e+00
## ENSG00000161298 9.814317e+01   -0.5460184171 0.28927376 -1.887549e+00
## ENSG00000161328 1.074210e+01    0.1524112924 1.23537669  1.233723e-01
## ENSG00000161381 6.388078e+02   -1.2753737697 0.29595162 -4.309399e+00
## ENSG00000161395 4.144140e+02   -0.0127117883 0.16308852 -7.794410e-02
## ENSG00000161405 2.792180e+01   -0.0950174765 0.38711065 -2.454530e-01
## ENSG00000161509 4.795399e+00    0.8099376493 0.95811941  8.453410e-01
## ENSG00000161513 5.954323e+02   -0.9415226684 0.33413584 -2.817784e+00
## ENSG00000161526 6.720013e+02    0.0506553865 0.11821024  4.285194e-01
## ENSG00000161533 8.570353e+02   -0.1562930837 0.09726280 -1.606915e+00
## ENSG00000161542 5.270661e+02   -0.1973150470 0.27151860 -7.267091e-01
## ENSG00000161544 1.411570e+03   -0.3816408029 0.19786989 -1.928746e+00
## ENSG00000161547 1.942800e+03    0.0847089888 0.13500747  6.274393e-01
## ENSG00000161551 1.850946e+02    0.1424246763 0.24569459  5.796818e-01
## ENSG00000161558 1.398850e+02   -0.1942089998 0.22227250 -8.737428e-01
## ENSG00000161594 5.879012e+00   -0.3819047457 0.99408886 -3.841757e-01
## ENSG00000161609 3.819436e+00   -0.7426455812 0.93689589 -7.926661e-01
## ENSG00000161610 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000161618 2.769411e+02    0.0611808717 0.18619369  3.285872e-01
## ENSG00000161634 8.403619e-01    0.5289788223 1.75066362  3.021590e-01
## ENSG00000161638 4.703026e+03   -0.0039180136 0.10944042 -3.580043e-02
## ENSG00000161640 3.819012e+00   -0.0108230361 0.89529671 -1.208877e-02
## ENSG00000161642 5.012931e+02   -0.7844104527 0.24442919 -3.209152e+00
## ENSG00000161643 5.978077e-01   -0.2716211950 2.98629398 -9.095595e-02
## ENSG00000161647 1.595664e+02    1.7464928962 0.22236672  7.854111e+00
## ENSG00000161649 9.816465e-01   -0.7208111979 1.93157566 -3.731726e-01
## ENSG00000161652 4.260885e+00    0.3113777933 0.76183741  4.087195e-01
## ENSG00000161653 4.748351e+01   -0.2992852252 0.25928933 -1.154252e+00
## ENSG00000161654 7.978276e+02    0.1739374363 0.10586141  1.643067e+00
## ENSG00000161664 8.177021e+01   -0.3687365901 0.19202099 -1.920293e+00
## ENSG00000161671 1.475594e+03    0.0465510096 0.17455286  2.666872e-01
## ENSG00000161677 4.733101e+02    0.4956939485 0.23593974  2.100935e+00
## ENSG00000161681 1.135589e+02   -0.4885964059 0.27059863 -1.805613e+00
## ENSG00000161682 3.043788e+02   -0.9272354914 0.24146483 -3.840044e+00
## ENSG00000161692 1.076598e+02    0.0477824513 0.24416828  1.956948e-01
## ENSG00000161714 2.299554e+03    0.0080310426 0.19988091  4.017914e-02
## ENSG00000161791 5.827151e+02   -0.4461929857 0.16180014 -2.757680e+00
## ENSG00000161798 6.100534e-01    0.6696669236 2.44306477  2.741094e-01
## ENSG00000161800 3.920327e+02    0.2324065626 0.24020317  9.675416e-01
## ENSG00000161807 0.000000e+00      NA          NA          NA
## ENSG00000161813 1.039366e+03    0.8031203601 0.13353299  6.014396e+00
## ENSG00000161835 1.804665e+02   -0.5231246636 0.27605315 -1.895014e+00
## ENSG00000161847 5.924955e+02    0.1750888384 0.16703931  1.048189e+00
## ENSG00000161849 0.000000e+00      NA          NA          NA
## ENSG00000161850 0.000000e+00      NA          NA          NA
## ENSG00000161860 7.326436e+00    1.1282561307 0.70928837  1.590687e+00
## ENSG00000161888 8.070509e+01    0.1633829828 0.36527553  4.472870e-01

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## ENSG00000161896 3.841037e+01    0.5027322837 0.74672715  6.732476e-01
## ENSG00000161904 9.062986e+02    0.0818736132 0.12580497  6.507979e-01
## ENSG00000161905 7.608143e-01   -0.7785298298 2.92661881 -2.660168e-01
## ENSG00000161911 0.000000e+00      NA          NA          NA
## ENSG00000161912 4.048483e+01   -0.1326460087 0.42093103 -3.151253e-01
## ENSG00000161914 5.178497e+01   -0.1960464559 0.27914930 -7.022997e-01
## ENSG00000161920 1.632706e+02   -0.1639475264 0.14458902 -1.133886e+00
## ENSG00000161921 1.745321e+02   -0.9421607496 0.26467080 -3.559746e+00
## ENSG00000161929 2.448101e+01   -0.6270793560 0.37384397 -1.677383e+00
## ENSG00000161939 6.701837e+00   -1.5062504818 1.45284025 -1.036763e+00
## ENSG00000161940 2.548967e+00   -0.3228746495 1.52561933 -2.116351e-01
## ENSG00000161944 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000161955 1.178387e+02    0.2305140124 0.22581024  1.020831e+00
## ENSG00000161956 7.596108e+02    0.1802400284 0.13301090  1.355077e+00
## ENSG00000161958 3.575913e+02    0.0499987301 0.22425497  2.229548e-01
## ENSG00000161960 6.969981e+03    0.1504298752 0.16148682  9.315304e-01
## ENSG00000161970 1.340723e+04   -0.1191279724 0.15181837 -7.846743e-01
## ENSG00000161973 1.321118e+00   -0.6916753372 1.57132034 -4.401874e-01
## ENSG00000161980 8.243118e+01    0.3908193275 0.18680123  2.092167e+00
## ENSG00000161981 2.470167e+02   -0.0863047003 0.20295844 -4.252334e-01
## ENSG00000161992 0.000000e+00      NA          NA          NA
## ENSG00000161996 3.382418e+02    0.2052320520 0.23027422  8.912507e-01
## ENSG00000161999 1.092825e+03   -0.0687609768 0.14353418 -4.790565e-01
## ENSG00000162004 4.087044e+01    0.5787429321 0.31192617  1.855384e+00
## ENSG00000162006 0.000000e+00      NA          NA          NA
## ENSG00000162009 0.000000e+00      NA          NA          NA
## ENSG00000162032 5.814963e+02    0.4827676434 0.19685508  2.452401e+00
## ENSG00000162039 2.673347e+00    1.4928990590 1.43229294  1.042314e+00
## ENSG00000162040 0.000000e+00      NA          NA          NA
## ENSG00000162062 1.151364e+01   -0.5572257431 0.71235647 -7.822288e-01
## ENSG00000162063 7.656076e+01   -0.0080270689 0.20762595 -3.866120e-02
## ENSG00000162065 2.979620e+02   -0.2666213542 0.20067847 -1.328600e+00
## ENSG00000162066 5.179350e+02   -0.5564428660 0.24971980 -2.228269e+00
## ENSG00000162068 1.064430e+01   -0.7997218861 0.61153553 -1.307728e+00
## ENSG00000162069 1.882799e+00   -0.1761446448 1.27302663 -1.383668e-01
## ENSG00000162073 8.113801e+01    0.5837424686 0.37966022  1.537539e+00
## ENSG00000162076 3.450190e+02    0.1636053785 0.12761994  1.281973e+00
## ENSG00000162078 5.408957e-01   -0.3711235003 3.06141652 -1.212261e-01
## ENSG00000162086 2.745914e+02   -0.0653066744 0.19357706 -3.373678e-01
## ENSG00000162104 1.900233e+03    0.1337030237 0.17711231  7.549053e-01
## ENSG00000162105 2.112304e+02    0.1085411701 0.24922361  4.355172e-01
## ENSG00000162129 1.273009e+02   -0.2049307263 0.24153855 -8.484390e-01
## ENSG00000162139 1.806404e+02   -0.8477182835 0.21826053 -3.883974e+00
## ENSG00000162144 1.541075e+03   -0.2031030711 0.18976284 -1.070299e+00
## ENSG00000162148 4.517254e+01   -0.2854771485 0.33935782 -8.412275e-01
## ENSG00000162174 1.424840e+01    0.1648184623 0.42934779  3.838810e-01
## ENSG00000162188 2.970194e+00   -0.0040170328 1.04160071 -3.856596e-03
## ENSG00000162191 1.595846e+03    0.0333099467 0.12205387  2.729118e-01
## ENSG00000162194 8.508895e+01   -0.0183663442 0.31178635 -5.890683e-02
## ENSG00000162222 3.580473e+02    0.1212117111 0.13226195  9.164519e-01
## ENSG00000162227 2.052759e+02   -0.0464427042 0.29463523 -1.576278e-01
## ENSG00000162231 1.697970e+03    0.2063140151 0.12188047  1.692757e+00
## ENSG00000162236 8.270626e+02    0.0687245601 0.10098966  6.805109e-01
## ENSG00000162241 1.186811e+02    0.0137069163 0.25179673  5.443644e-02

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## ENSG00000162244 1.150951e+04 -0.0024788643 0.20269203 -1.222971e-02
## ENSG00000162267 9.508253e+00 2.7745222434 1.09838071 2.526011e+00
## ENSG00000162298 1.048160e+03 0.3947263955 0.10288801 3.836466e+00
## ENSG00000162300 4.709932e+02 -0.1194527602 0.12540373 -9.525455e-01
## ENSG00000162302 8.524868e+02 0.1326168813 0.22105501 5.999270e-01
## ENSG00000162337 7.875686e+02 0.4681703969 0.40035414 1.169391e+00
## ENSG00000162341 4.273625e+02 0.5994682981 0.16674765 3.595063e+00
## ENSG00000162344 0.000000e+00 NA NA NA
## ENSG00000162365 6.049318e-01 -0.1676153560 2.95092661 -5.680092e-02
## ENSG00000162366 2.020250e+00 0.7644443677 1.99658608 3.828757e-01
## ENSG00000162367 1.759803e+00 -1.5575281494 1.45594974 -1.069768e+00
## ENSG00000162368 2.769860e+03 0.2948733704 0.11761500 2.507107e+00
## ENSG00000162373 5.996092e+00 -1.1052030350 1.13510853 -9.736541e-01
## ENSG00000162374 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000162377 3.588892e+02 0.1589481984 0.13501709 1.177245e+00
## ENSG00000162378 1.221434e+03 0.0449122569 0.11312075 3.970293e-01
## ENSG00000162383 3.194255e+02 -0.5945455053 0.23485843 -2.531506e+00
## ENSG00000162384 7.871870e+02 -0.1347460254 0.10446754 -1.289836e+00
## ENSG00000162385 2.340711e+02 0.1301942775 0.13460593 9.672254e-01
## ENSG00000162390 2.158510e+02 -0.2964971278 0.15220983 -1.947950e+00
## ENSG00000162391 3.346777e+00 0.4990691834 1.04338504 4.783174e-01
## ENSG00000162396 8.896458e+01 -0.0437933807 0.21718545 -2.016405e-01
## ENSG00000162398 1.962848e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000162399 3.589888e+00 0.5973197364 1.02089811 5.850924e-01
## ENSG00000162402 2.529479e+03 -0.3548721484 0.19963238 -1.777628e+00
## ENSG00000162407 2.627183e+04 -1.0102871648 0.20913114 -4.830879e+00
## ENSG00000162408 3.461985e+02 0.1701638810 0.13818576 1.231414e+00
## ENSG00000162409 2.670152e+02 0.1673782204 0.17604678 9.507599e-01
## ENSG00000162413 2.310999e+03 0.4633378385 0.16591035 2.792700e+00
## ENSG00000162415 1.105543e+02 -0.5126289517 0.45435677 -1.128252e+00
## ENSG00000162419 2.432176e+02 -0.2330359275 0.14606548 -1.595421e+00
## ENSG00000162426 1.715640e+02 1.4151048536 0.18088906 7.823054e+00
## ENSG00000162430 4.358672e+03 0.1181379239 0.17008851 6.945673e-01
## ENSG00000162433 1.679556e+03 0.0883389881 0.28099653 3.143775e-01
## ENSG00000162434 8.411706e+03 0.2379297485 0.12666913 1.878356e+00
## ENSG00000162437 2.657338e+02 -0.1784924634 0.33673106 -5.300743e-01
## ENSG00000162438 4.925518e+00 -0.6912737556 0.80408603 -8.597012e-01
## ENSG00000162441 3.507264e+02 -0.4232829877 0.12735532 -3.323638e+00
## ENSG00000162444 2.506427e+00 -0.9968070913 1.12606466 -8.852130e-01
## ENSG00000162456 0.000000e+00 NA NA NA
## ENSG00000162458 1.748758e+03 0.4068782701 0.11326758 3.592187e+00
## ENSG00000162460 0.000000e+00 NA NA NA
## ENSG00000162461 3.729314e+01 0.4545424791 0.52134994 8.718568e-01
## ENSG00000162482 7.457728e+00 -0.3332145372 0.59624374 -5.588562e-01
## ENSG00000162490 8.375224e+00 -0.7835401372 0.73999837 -1.058840e+00
## ENSG00000162493 1.067402e+03 1.7561532089 0.46798365 3.752595e+00
## ENSG00000162494 5.938431e-01 2.7534975758 2.87513799 9.576923e-01
## ENSG00000162496 3.719475e+03 1.1221159418 0.36554402 3.069715e+00
## ENSG00000162510 1.222739e+01 -1.0269225925 0.59295025 -1.731887e+00
## ENSG00000162511 3.887614e+00 1.2203686817 1.00699922 1.211886e+00
## ENSG00000162512 3.147638e+03 -0.4445931920 0.17414551 -2.552998e+00
## ENSG00000162517 9.006782e+02 -0.0649443331 0.09155602 -7.093399e-01
## ENSG00000162520 1.438533e+03 -0.3567855904 0.14542370 -2.453421e+00
## ENSG00000162521 2.093152e+03 -0.1722018479 0.06872591 -2.505632e+00

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## ENSG00000162522 7.975071e+02 -0.1424334800 0.19922420 -7.149407e-01
## ENSG00000162526 3.689744e+01 -0.3667239486 0.28501068 -1.286702e+00
## ENSG00000162542 3.283913e+02 -0.0858747257 0.14740553 -5.825746e-01
## ENSG00000162543 6.611541e+00 -1.0060597550 1.19834078 -8.395440e-01
## ENSG00000162545 6.256802e+03 0.7816389166 0.27030757 2.891665e+00
## ENSG00000162551 1.108731e+03 0.3070268832 0.46979296 6.535366e-01
## ENSG00000162552 2.575065e+00 -1.8451755276 1.33921748 -1.377801e+00
## ENSG00000162571 6.765168e-01 0.9664257098 2.43850817 3.963184e-01
## ENSG00000162572 1.256545e+02 -0.6725473451 0.28299132 -2.376565e+00
## ENSG00000162576 1.066277e+04 0.1195186818 0.12452439 9.598014e-01
## ENSG00000162585 7.235636e+02 0.0923343483 0.18218860 5.068064e-01
## ENSG00000162591 6.665159e+02 0.0417485747 0.42752805 9.765108e-02
## ENSG00000162592 6.835567e-01 -2.8188810978 2.23402966 -1.261792e+00
## ENSG00000162594 5.474487e-01 0.5336609730 2.47254300 2.158349e-01
## ENSG00000162595 6.299009e+01 -1.1226341398 0.75348832 -1.489916e+00
## ENSG00000162598 5.627255e+00 1.9784565027 0.98458628 2.009429e+00
## ENSG00000162599 5.811812e+02 0.2148089831 0.29322896 7.325640e-01
## ENSG00000162600 2.846187e+02 0.0176284881 0.19481776 9.048707e-02
## ENSG00000162601 1.047785e+03 0.0166728675 0.16010847 1.041348e-01
## ENSG00000162604 8.329359e+02 0.6109710109 0.17949411 3.403850e+00
## ENSG00000162607 5.532588e+02 -0.0530593252 0.13559119 -3.913184e-01
## ENSG00000162613 1.436365e+03 0.0415759605 0.14702539 2.827808e-01
## ENSG00000162614 5.646183e+03 1.9711401663 0.15021384 1.312223e+01
## ENSG00000162616 1.478625e+03 1.3693425514 0.16327040 8.386962e+00
## ENSG00000162618 2.001201e+02 -0.5903081289 0.47354533 -1.246572e+00
## ENSG00000162620 8.821638e+00 0.7084939459 0.90323455 7.843964e-01
## ENSG00000162621 0.000000e+00 NA NA NA
## ENSG00000162623 5.371806e+02 0.0184639949 0.14286071 1.292447e-01
## ENSG00000162624 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000162627 7.139636e+02 -0.1200482125 0.10718843 -1.119974e+00
## ENSG00000162630 4.294066e+01 2.8625311365 0.63402250 4.514873e+00
## ENSG00000162631 1.934123e+01 -0.9692828136 0.86822165 -1.116400e+00
## ENSG00000162636 7.155341e+02 -0.4555743994 0.18385388 -2.477916e+00
## ENSG00000162639 3.639988e+01 -0.2319313263 0.30703832 -7.553823e-01
## ENSG00000162641 1.305854e+01 0.7077907248 0.55725280 1.270143e+00
## ENSG00000162642 2.936430e+02 -0.0602875765 0.13904481 -4.335838e-01
## ENSG00000162643 9.365365e+01 -1.7002284673 0.36299841 -4.683845e+00
## ENSG00000162645 1.306674e+03 -0.2788181953 0.16972553 -1.642759e+00
## ENSG00000162650 1.087536e+02 0.2859374526 0.18580019 1.538951e+00
## ENSG00000162654 7.598867e+01 -0.4546995331 0.23330950 -1.948911e+00
## ENSG00000162664 9.207503e+02 -0.5112714377 0.08774453 -5.826818e+00
## ENSG00000162669 4.656359e+00 -1.5639946524 1.44325512 -1.083658e+00
## ENSG00000162670 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000162676 2.424882e+00 0.2477187136 1.26878920 1.952402e-01
## ENSG00000162685 0.000000e+00 NA NA NA
## ENSG00000162687 1.443934e+02 0.8573279156 0.28082030 3.052941e+00
## ENSG00000162688 9.263612e+02 0.4232463648 0.18773597 2.254477e+00
## ENSG00000162692 5.018042e+02 -3.5333336362 0.33432167 -1.056866e+01
## ENSG00000162694 9.180288e+02 -0.4487862368 0.08962740 -5.007244e+00
## ENSG00000162695 8.607374e+02 0.2101095922 0.11171062 1.880838e+00
## ENSG00000162699 0.000000e+00 NA NA NA
## ENSG00000162702 6.759431e+02 -0.1171215327 0.20322243 -5.763219e-01
## ENSG00000162704 2.647516e+03 0.8965892898 0.11048887 8.114748e+00
## ENSG00000162706 2.784730e+00 -0.7738269607 1.28245421 -6.033954e-01

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## ENSG00000162711 5.135911e+00 -0.5532389769 0.85852683 -6.444050e-01
## ENSG00000162714 7.482865e+02 -0.2012002439 0.15761638 -1.276519e+00
## ENSG00000162722 5.565686e+01 -0.1853117440 0.42571532 -4.352950e-01
## ENSG00000162723 5.649226e-01 0.6653398682 3.00021981 2.217637e-01
## ENSG00000162727 0.000000e+00 NA NA NA
## ENSG00000162728 9.225295e-01 -2.3735609091 2.67093709 -8.886622e-01
## ENSG00000162729 3.752374e+02 0.2421767448 0.29424043 8.230573e-01
## ENSG00000162733 1.988123e+04 0.1430801353 0.17069074 8.382419e-01
## ENSG00000162734 9.883993e+03 -0.0868546389 0.18980418 -4.576013e-01
## ENSG00000162735 1.742869e+03 0.0959726529 0.07695682 1.247097e+00
## ENSG00000162736 4.496956e+03 0.0711804652 0.16497257 4.314685e-01
## ENSG00000162738 9.176174e+00 -2.1794218760 1.18984184 -1.831690e+00
## ENSG00000162739 3.581677e+00 -0.2904666974 0.88482112 -3.282773e-01
## ENSG00000162745 1.635246e+02 -0.7173588049 0.44661153 -1.606225e+00
## ENSG00000162746 1.031929e+01 -0.5388218291 0.63457582 -8.491055e-01
## ENSG00000162747 0.000000e+00 NA NA NA
## ENSG00000162753 3.673419e-01 2.1044898088 3.49377278 6.023545e-01
## ENSG00000162755 1.351182e+01 0.2312896592 0.91485879 2.528146e-01
## ENSG00000162757 4.271680e+01 -0.3755853726 0.28262507 -1.328917e+00
## ENSG00000162761 0.000000e+00 NA NA NA
## ENSG00000162763 0.000000e+00 NA NA NA
## ENSG00000162769 8.330165e+01 -0.1479167096 0.34711052 -4.261372e-01
## ENSG00000162771 2.212567e-01 1.5394092681 3.52295593 4.369652e-01
## ENSG00000162772 3.703868e+02 1.7864586288 0.36232354 4.930562e+00
## ENSG00000162775 1.649644e+02 0.2333720657 0.14438005 1.616373e+00
## ENSG00000162777 1.679999e+02 -0.5955997889 0.43880135 -1.357334e+00
## ENSG00000162779 4.785315e+00 1.4864283907 1.13335122 1.311534e+00
## ENSG00000162782 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000162783 7.861089e+02 0.0366330409 0.16863212 2.172364e-01
## ENSG00000162804 3.402076e+03 -0.1308294848 0.23595718 -5.544628e-01
## ENSG00000162813 3.499002e+02 -0.0944621969 0.15613196 -6.050151e-01
## ENSG00000162814 3.415781e+01 -0.6255543958 0.45846985 -1.364440e+00
## ENSG00000162817 6.473102e+02 1.0698606081 1.38849240 7.705196e-01
## ENSG00000162819 1.027814e+03 -0.0129825160 0.18171374 -7.144488e-02
## ENSG00000162825 5.596980e+02 0.0590339013 0.19092246 3.092035e-01
## ENSG00000162836 1.912597e+02 -0.1574594023 0.31693481 -4.968195e-01
## ENSG00000162840 0.000000e+00 NA NA NA
## ENSG00000162843 1.072321e+00 -0.2676421861 1.93142242 -1.385726e-01
## ENSG00000162849 1.527098e+02 -0.3363532996 0.52726647 -6.379190e-01
## ENSG00000162851 1.750599e+02 0.2818425316 0.16697358 1.687947e+00
## ENSG00000162852 7.045475e+02 0.1311366390 0.20504489 6.395509e-01
## ENSG00000162869 5.682338e+02 0.4519225261 0.17971581 2.514651e+00
## ENSG00000162873 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000162877 2.496608e+00 0.7614882207 1.23671555 6.157343e-01
## ENSG00000162878 1.601784e+03 1.5313624880 0.31434218 4.871642e+00
## ENSG00000162881 6.687727e+00 -1.5489386879 0.96230635 -1.609611e+00
## ENSG00000162882 4.431577e+01 -0.7377730227 0.35368452 -2.085964e+00
## ENSG00000162885 1.641562e+02 -0.3194737861 0.20201405 -1.581443e+00
## ENSG00000162889 2.526233e+03 0.2755530805 0.10892155 2.529831e+00
## ENSG00000162891 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000162892 6.367449e+00 1.8092008278 1.23711370 1.462437e+00
## ENSG00000162894 2.443903e+01 1.6957906500 0.99407651 1.705896e+00
## ENSG00000162896 6.684821e+00 0.6369687303 0.62898863 1.012687e+00
## ENSG00000162897 0.000000e+00 NA NA NA

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## ENSG00000162909	1.245426e+04	0.0484321874	0.09501791	5.097164e-01
## ENSG00000162910	2.513052e+02	-0.1354156934	0.18849256	-7.184140e-01
## ENSG00000162913	1.022705e+01	-0.3494358715	0.76810419	-4.549329e-01
## ENSG00000162923	3.782384e+03	0.0742515000	0.11914497	6.232030e-01
## ENSG00000162924	3.296473e+02	-0.2841516345	0.13427773	-2.116149e+00
## ENSG00000162927	1.244768e+02	-0.3694675661	0.19639368	-1.881260e+00
## ENSG00000162928	3.441630e+02	0.2696599327	0.17954633	1.501896e+00
## ENSG00000162929	2.219945e+02	-0.5448727262	0.22911575	-2.378155e+00
## ENSG00000162931	3.484719e+01	-0.5884776588	0.32836171	-1.792163e+00
## ENSG00000162944	2.619650e+02	-0.8134474269	0.24191148	-3.362583e+00
## ENSG00000162946	1.065484e+02	-0.2484317293	0.23164736	-1.072457e+00
## ENSG00000162949	5.620550e-01	1.6931956591	2.95703787	5.725986e-01
## ENSG00000162951	0.000000e+00	NA	NA	NA
## ENSG00000162959	4.894309e+02	-0.0560072193	0.15341785	-3.650633e-01
## ENSG00000162961	3.918133e+02	0.4196153032	0.15014812	2.794676e+00
## ENSG00000162971	1.855212e+02	-0.3201159802	0.13434750	-2.382746e+00
## ENSG00000162972	1.700848e+02	0.1016629465	0.15042136	6.758545e-01
## ENSG00000162975	4.513782e+00	-1.8952473743	0.91499966	-2.071309e+00
## ENSG00000162976	6.300305e+02	0.4347813279	0.19539094	2.225187e+00
## ENSG00000162980	5.913309e+02	-0.0197781447	0.16730823	-1.182138e-01
## ENSG00000162981	1.127244e+01	1.1244459084	0.62445222	1.800692e+00
## ENSG00000162989	3.805785e+00	-0.7693920109	0.86232698	-8.922277e-01
## ENSG00000162992	4.497398e-01	-1.0072115861	3.49388180	-2.882787e-01
## ENSG00000162994	7.372727e+01	0.0248433713	0.43266857	5.741894e-02
## ENSG00000162997	1.456120e+01	0.2311670732	0.53774301	4.298839e-01
## ENSG00000162998	9.096862e+01	1.7835597223	0.45916717	3.884336e+00
## ENSG00000162999	7.415443e+01	-0.0583273110	0.21411045	-2.724169e-01
## ENSG00000163001	6.717317e+02	-0.2029543473	0.10062447	-2.016948e+00
## ENSG00000163002	8.139197e+01	0.0874476312	0.26503102	3.299524e-01
## ENSG00000163006	2.401380e+01	-0.2318499909	0.50148920	-4.623230e-01
## ENSG00000163012	4.055638e+00	0.1493466492	0.95983051	1.555969e-01
## ENSG00000163013	1.906065e+02	-0.0906525707	0.19761594	-4.587311e-01
## ENSG00000163016	5.310562e-01	-1.4778456766	2.43815095	-6.061338e-01
## ENSG00000163017	1.167924e+03	1.9676612429	0.65799992	2.990367e+00
## ENSG00000163026	2.226027e+02	0.0825681934	0.15582069	5.298923e-01
## ENSG00000163029	7.597735e+02	0.1230844615	0.10551246	1.166540e+00
## ENSG00000163032	1.402028e+00	0.1087600118	1.69446649	6.418540e-02
## ENSG00000163040	1.293865e+02	-0.4842122594	0.24472760	-1.978576e+00
## ENSG00000163041	2.804234e+03	-0.1754318109	0.07862549	-2.231233e+00
## ENSG00000163046	2.702356e+00	1.1803550418	1.05053180	1.123579e+00
## ENSG00000163050	5.013032e+02	-0.2814990434	0.20136419	-1.397960e+00
## ENSG00000163053	6.206900e+01	-0.0839420690	0.43034448	-1.950579e-01
## ENSG00000163060	1.315214e+01	-0.1121508062	0.77169129	-1.453312e-01
## ENSG00000163064	1.223306e+00	0.2068182738	1.43813963	1.438096e-01
## ENSG00000163069	3.102437e+03	0.4725364300	0.14698539	3.214853e+00
## ENSG00000163071	8.178362e+02	-0.4660696371	0.23554808	-1.978660e+00
## ENSG00000163072	1.153468e+01	0.1723860411	0.61193745	2.817053e-01
## ENSG00000163075	1.517297e+01	-0.4236541640	0.44553035	-9.508985e-01
## ENSG00000163081	0.000000e+00	NA	NA	NA
## ENSG00000163082	4.758273e+00	0.0838512807	0.82626093	1.014828e-01
## ENSG00000163083	4.251149e+02	3.6680310872	0.53524265	6.853025e+00
## ENSG00000163092	2.520575e+00	0.0129162619	1.40686661	9.180872e-03
## ENSG00000163093	2.807685e+02	-0.4213772546	0.13251112	-3.179939e+00
## ENSG00000163098	0.000000e+00	NA	NA	NA

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## ENSG00000163104 7.849034e+02 -0.0203626320 0.09725557 -2.093724e-01
## ENSG00000163106 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000163110 1.307010e+03 1.4853557821 0.18407223 8.069418e+00
## ENSG00000163114 0.000000e+00 NA NA NA
## ENSG00000163116 2.163276e+00 -1.2526229331 1.24717517 -1.004368e+00
## ENSG00000163121 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163125 1.042767e+03 -0.2326352647 0.09888132 -2.352672e+00
## ENSG00000163126 3.210516e+01 0.0801848099 0.45240204 1.772424e-01
## ENSG00000163131 9.351665e+01 -1.1846392700 0.43512004 -2.722557e+00
## ENSG00000163132 6.189186e+01 -0.2042387887 0.44281994 -4.612231e-01
## ENSG00000163138 1.781860e+02 0.1088125180 0.18882943 5.762477e-01
## ENSG00000163141 6.045484e+00 0.0819888102 0.71243069 1.150832e-01
## ENSG00000163145 2.050013e+02 0.3641097991 0.32675041 1.114336e+00
## ENSG00000163154 1.187536e+00 -1.1153694248 1.56433046 -7.130012e-01
## ENSG00000163155 1.120306e+02 0.1212600905 0.19122707 6.341157e-01
## ENSG00000163156 2.767116e+02 0.0851001848 0.12563859 6.773411e-01
## ENSG00000163157 3.907053e+00 -0.2525080541 1.11492007 -2.264809e-01
## ENSG00000163159 4.702536e+02 -0.1046456236 0.10234007 -1.022528e+00
## ENSG00000163161 9.413579e+02 -0.1508943362 0.10699756 -1.410260e+00
## ENSG00000163162 7.466349e+02 0.1794941449 0.12739625 1.408944e+00
## ENSG00000163166 9.986786e+02 -0.0927112502 0.14317491 -6.475384e-01
## ENSG00000163170 1.250289e+02 0.0858499849 0.23013536 3.730413e-01
## ENSG00000163171 1.533260e+03 1.3468988150 0.27750284 4.853640e+00
## ENSG00000163191 3.944620e+03 0.1141011237 0.11535014 9.891719e-01
## ENSG00000163202 0.000000e+00 NA NA NA
## ENSG00000163206 4.714090e-01 -2.2741902268 2.45295475 -9.271228e-01
## ENSG00000163207 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000163209 0.000000e+00 NA NA NA
## ENSG00000163214 5.391619e+02 -0.1001819572 0.17852269 -5.611721e-01
## ENSG00000163216 0.000000e+00 NA NA NA
## ENSG00000163217 0.000000e+00 NA NA NA
## ENSG00000163218 0.000000e+00 NA NA NA
## ENSG00000163219 1.974816e+01 -0.0677416514 0.45497061 -1.488924e-01
## ENSG00000163220 0.000000e+00 NA NA NA
## ENSG00000163221 0.000000e+00 NA NA NA
## ENSG00000163235 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163239 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000163249 4.954157e+02 0.3218814822 0.17907652 1.797452e+00
## ENSG00000163251 5.522687e+01 2.4084391222 0.41560833 5.794973e+00
## ENSG00000163254 0.000000e+00 NA NA NA
## ENSG00000163257 6.009908e+02 0.0987407142 0.11056336 8.930691e-01
## ENSG00000163263 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000163273 3.678708e-01 -1.9126009636 3.48084565 -5.494645e-01
## ENSG00000163281 5.918249e+02 0.3282235085 0.15516825 2.115275e+00
## ENSG00000163283 7.932714e-01 2.2698502927 2.80482034 8.092676e-01
## ENSG00000163285 0.000000e+00 NA NA NA
## ENSG00000163286 0.000000e+00 NA NA NA
## ENSG00000163288 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163291 3.328219e+02 0.2143597568 0.17666776 1.213350e+00
## ENSG00000163293 1.812584e+01 1.1690121872 0.89265910 1.309584e+00
## ENSG00000163295 0.000000e+00 NA NA NA
## ENSG00000163297 5.730254e+03 0.4046833639 0.19391103 2.086954e+00
## ENSG00000163312 2.197376e+02 -0.3317408553 0.18194207 -1.823332e+00
## ENSG00000163319 2.897217e+02 -0.0914518353 0.12748526 -7.173522e-01

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## ENSG00000163320 2.208983e+03    0.3094333644 0.09114945  3.394791e+00
## ENSG00000163322 4.418220e+02   -0.0977143994 0.12992971 -7.520559e-01
## ENSG00000163328 2.405740e+02   -0.7359220436 0.20596499 -3.573044e+00
## ENSG00000163331 1.767569e+00    0.0778346234 1.47416724  5.279905e-02
## ENSG00000163344 3.149465e+02   -0.0692993677 0.16960154 -4.086011e-01
## ENSG00000163346 2.857921e+03   -0.0617850824 0.10564231 -5.848517e-01
## ENSG00000163347 2.618612e+00   -3.2090261794 1.40422687 -2.285262e+00
## ENSG00000163348 6.436648e+02   -0.0836574564 0.12561701 -6.659724e-01
## ENSG00000163349 1.439715e+03    0.1933568468 0.13844522  1.396631e+00
## ENSG00000163352 9.483747e-01   -0.1066767832 2.26357330 -4.712760e-02
## ENSG00000163354 1.522061e+01   -0.4283664953 0.64312840 -6.660668e-01
## ENSG00000163357 3.636385e+00    1.2331702731 0.95984991  1.284753e+00
## ENSG00000163359 8.560387e+04   -0.3297192187 0.14033539 -2.349509e+00
## ENSG00000163362 3.676970e+00   -0.9639342678 0.91032861 -1.058886e+00
## ENSG00000163374 9.741929e+02   -0.1255809207 0.08691404 -1.444887e+00
## ENSG00000163376 1.458788e+01   -0.8769731756 0.55184054 -1.589179e+00
## ENSG00000163377 3.182787e-01    1.9533382116 3.50190451  5.577931e-01
## ENSG00000163378 1.766414e+03    1.2884916726 0.19458261  6.621824e+00
## ENSG00000163380 6.856839e+00    0.2327947638 0.71190885  3.270008e-01
## ENSG00000163382 4.889188e+02    0.1583781124 0.12210451  1.297070e+00
## ENSG00000163389 2.676143e+02    0.1737392748 0.15691021  1.107253e+00
## ENSG00000163393 1.350238e+02   -0.0170055944 0.29265000 -5.810898e-02
## ENSG00000163394 1.207006e+03   -2.1976857326 0.95364857 -2.304503e+00
## ENSG00000163395 5.893856e-01   -1.5205072402 2.39217217 -6.356178e-01
## ENSG00000163399 6.567658e+03    0.3948088346 0.07740620  5.100480e+00
## ENSG00000163406 1.697338e+01   -0.9035491049 0.68751297 -1.314228e+00
## ENSG00000163412 3.037790e+02   0.0424497435 0.33157555  1.280243e-01
## ENSG00000163421 0.000000e+00      NA          NA          NA
## ENSG00000163424 0.000000e+00      NA          NA          NA
## ENSG00000163428 1.004056e+03    0.1602233749 0.13132065  1.220093e+00
## ENSG00000163430 7.063984e+04    0.8215322653 0.22227500  3.696017e+00
## ENSG00000163431 6.894774e+03    1.1682988591 0.25586589  4.566059e+00
## ENSG00000163435 4.133403e+00   -0.4539009590 0.80946884 -5.607393e-01
## ENSG00000163440 0.000000e+00      NA          NA          NA
## ENSG00000163444 1.034862e+03    0.0837569966 0.09941473  8.425009e-01
## ENSG00000163449 1.280383e+01   -0.5084547690 0.52254018 -9.730444e-01
## ENSG00000163453 2.523070e+03    0.0348536033 0.83840418  4.157136e-02
## ENSG00000163462 1.331381e+02   -0.0774971753 0.22179058 -3.494160e-01
## ENSG00000163463 7.379579e+02    0.1036972905 0.10830702  9.574383e-01
## ENSG00000163464 0.000000e+00      NA          NA          NA
## ENSG00000163466 4.613630e+03    0.1326599655 0.08372107  1.584547e+00
## ENSG00000163467 4.342349e+00   -0.7628162155 0.79439057 -9.602534e-01
## ENSG00000163468 2.944579e+03    0.1196098581 0.15997394  7.476834e-01
## ENSG00000163472 1.891978e+02   -0.0409982088 0.21983388 -1.864963e-01
## ENSG00000163479 2.944637e+03   -0.1488285332 0.07718164 -1.928289e+00
## ENSG00000163481 3.011081e+02    0.0111482765 0.13859740  8.043641e-02
## ENSG00000163482 7.175860e+02   -0.3293201012 0.15226541 -2.162803e+00
## ENSG00000163485 4.637688e+01   -1.5125636777 0.46393229 -3.260311e+00
## ENSG00000163491 1.523335e+02   -2.0730506998 0.25290550 -8.196938e+00
## ENSG00000163492 8.972859e+00   -0.2124354070 0.81178490 -2.616893e-01
## ENSG00000163497 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000163499 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000163501 4.493295e-01    2.3606426981 3.47629162  6.790692e-01
## ENSG00000163507 1.173325e+02   -0.1737090319 0.16694978 -1.040487e+00

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## ENSG00000163508 5.941334e-01 -1.5124569115 2.38603082 -6.338799e-01
## ENSG00000163510 5.046254e+02 -0.2212618838 0.11756447 -1.882047e+00
## ENSG00000163512 1.959419e+03 0.0051037477 0.12574741 4.058730e-02
## ENSG00000163513 1.334535e+04 1.4709020407 0.16875442 8.716228e+00
## ENSG00000163515 0.000000e+00 NA NA NA
## ENSG00000163516 6.106436e+02 0.3135504430 0.15170082 2.066900e+00
## ENSG00000163517 3.375983e+02 -0.1596629534 0.14480954 -1.102572e+00
## ENSG00000163518 0.000000e+00 NA NA NA
## ENSG00000163519 0.000000e+00 NA NA NA
## ENSG00000163520 1.981509e+04 -0.1352613234 0.20660611 -6.546821e-01
## ENSG00000163521 2.306030e+02 -0.3648240777 0.27602509 -1.321706e+00
## ENSG00000163527 3.909003e+03 0.2580269350 0.14718458 1.753084e+00
## ENSG00000163528 1.123709e+02 -0.2703955857 0.19848663 -1.362286e+00
## ENSG00000163530 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163531 3.047260e+03 0.2241121986 0.22173602 1.010716e+00
## ENSG00000163534 3.474402e+00 0.3143299297 0.98705202 3.184533e-01
## ENSG00000163535 1.759797e+02 -0.2042949618 0.24807276 -8.235284e-01
## ENSG00000163536 5.242297e+01 -0.2007100158 0.54282410 -3.697515e-01
## ENSG00000163539 7.256598e+02 -0.0527553478 0.17084969 -3.087822e-01
## ENSG00000163541 7.554228e+02 -0.1318918763 0.11435387 -1.153366e+00
## ENSG00000163545 8.225354e+01 0.9784423851 0.41412564 2.362670e+00
## ENSG00000163554 1.586165e+01 -3.2737069046 0.82557631 -3.965360e+00
## ENSG00000163558 1.407244e+03 0.0570397001 0.19817902 2.878191e-01
## ENSG00000163563 0.000000e+00 NA NA NA
## ENSG00000163564 3.139126e+00 0.8428335618 1.29533391 6.506690e-01
## ENSG00000163565 4.278249e+03 -0.3807268661 0.16589017 -2.295054e+00
## ENSG00000163568 1.003845e+00 -0.2573032765 1.88502471 -1.364986e-01
## ENSG00000163576 5.640013e+01 -0.7581103709 0.43465652 -1.744160e+00
## ENSG00000163577 4.924195e+02 0.2789510282 0.26413271 1.056102e+00
## ENSG00000163581 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163584 3.145081e+02 0.1415172284 0.29514228 4.794882e-01
## ENSG00000163586 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163590 8.047885e+01 -0.2478681850 0.28528964 -8.688300e-01
## ENSG00000163596 1.502699e+02 -0.0839660624 0.26016108 -3.227464e-01
## ENSG00000163599 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000163600 0.000000e+00 NA NA NA
## ENSG00000163602 6.250786e+01 0.1752307041 0.28556804 6.136215e-01
## ENSG00000163605 1.076300e+03 -0.0555013799 0.13855003 -4.005873e-01
## ENSG00000163606 2.628371e+00 -0.9886854294 1.49307736 -6.621796e-01
## ENSG00000163607 3.366834e+02 -0.1858709341 0.12638854 -1.470631e+00
## ENSG00000163608 9.883088e+02 -0.0056223929 0.13261558 -4.239617e-02
## ENSG00000163611 2.079602e+02 -0.5949094595 0.21872908 -2.719846e+00
## ENSG00000163612 1.097980e+00 0.9609381339 1.55744530 6.169964e-01
## ENSG00000163617 1.780486e+02 -0.2140165028 0.16439827 -1.301817e+00
## ENSG00000163618 1.060258e+01 0.0972633696 1.03172601 9.427248e-02
## ENSG00000163623 8.672780e+02 0.4018396263 0.16010290 2.509884e+00
## ENSG00000163624 1.309538e+01 0.7768635275 0.76448539 1.016191e+00
## ENSG00000163625 2.361304e+03 0.1919539268 0.13507241 1.421119e+00
## ENSG00000163626 2.554362e+02 -0.0593503937 0.11757465 -5.047891e-01
## ENSG00000163629 2.404301e+03 -0.4176703626 0.13622132 -3.066116e+00
## ENSG00000163630 1.428418e+00 -1.0246391944 1.50258260 -6.819187e-01
## ENSG00000163631 2.173231e+00 -0.3724285899 1.61679948 -2.303493e-01
## ENSG00000163632 3.275841e+00 -0.6507239471 0.96290328 -6.757937e-01
## ENSG00000163633 1.299049e+02 -0.3882381908 0.23093573 -1.681153e+00

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```

## ENSG00000163634 6.212657e+02    0.1774268077 0.13421653 1.321945e+00
## ENSG00000163635 5.891956e+02    0.2638741029 0.14979165 1.761608e+00
## ENSG00000163636 9.816755e+02    0.0631205443 0.10638638 5.933141e-01
## ENSG00000163637 7.656825e+02    0.7635081719 0.26708088 2.858715e+00
## ENSG00000163638 3.734938e+01    0.0413501711 0.35915218 1.151327e-01
## ENSG00000163644 7.178303e+02    0.1093598198 0.23179481 4.717958e-01
## ENSG00000163645 2.717396e+00    0.2746188739 2.00969586 1.366470e-01
## ENSG00000163646 5.937744e-01   -1.6401513381 2.97863696 -5.506382e-01
## ENSG00000163655 1.101400e+03   -0.1537506929 0.10140101 -1.516264e+00
## ENSG00000163659 3.992099e+02    0.5212162785 0.16280810 3.201415e+00
## ENSG00000163660 1.762503e+03    0.4361179924 0.12393202 3.519010e+00
## ENSG00000163661 9.918019e+03    2.2354209738 0.33356289 6.701648e+00
## ENSG00000163666 1.903816e+01    0.4475199564 0.43590657 1.026642e+00
## ENSG00000163673 3.089168e-01   0.1733657147 3.53381154 4.905913e-02
## ENSG00000163681 1.220579e+03    0.4207239802 0.20943514 2.008851e+00
## ENSG00000163682 1.539916e+03   -0.0369400341 1.36416961 -2.707877e-02
## ENSG00000163683 2.264523e+03    0.4570186355 0.20581678 2.220512e+00
## ENSG00000163684 3.382119e+02   -0.2733535171 0.18380811 -1.487168e+00
## ENSG00000163686 9.935754e+01    0.3074012651 0.20488637 1.500350e+00
## ENSG00000163687 2.946756e+00    0.3516097900 1.57477416 2.232763e-01
## ENSG00000163689 4.976625e+01   -0.4090728732 0.24897915 -1.643000e+00
## ENSG00000163694 2.476893e+01   -0.7583567652 0.61426463 -1.234577e+00
## ENSG00000163697 2.417257e+03    0.9175251325 0.08599355 1.066970e+01
## ENSG00000163701 3.721805e+01    0.6253495170 0.29055142 2.152285e+00
## ENSG00000163702 6.674376e+02    0.2380755311 0.14831050 1.605251e+00
## ENSG00000163703 6.127761e+02    0.0701093678 0.42685494 1.642464e-01
## ENSG00000163704 2.005903e+02   -0.1408487574 0.19590815 -7.189530e-01
## ENSG00000163705 6.369779e-01   -0.2037916449 2.43878150 -8.356290e-02
## ENSG00000163710 8.962851e+02   -0.2777491644 0.79271920 -3.503752e-01
## ENSG00000163714 1.680774e+03   -0.0216512350 0.07311232 -2.961366e-01
## ENSG00000163719 6.071675e+02    0.5645789863 0.10278530 5.492799e+00
## ENSG00000163728 1.253982e+03    0.2003133554 0.15113456 1.325397e+00
## ENSG00000163734 4.011125e+00    0.5576274197 1.07041288 5.209461e-01
## ENSG00000163735 1.060680e+01    0.7375020557 0.85215077 8.654596e-01
## ENSG00000163736 0.000000e+00     NA          NA          NA
## ENSG00000163737 1.038396e+00    3.6092278816 2.35452242 1.532892e+00
## ENSG00000163738 5.346381e+01    0.2669461283 0.27061446 9.864444e-01
## ENSG00000163739 3.345549e+01    1.2780624956 1.04952635 1.217752e+00
## ENSG00000163743 2.490649e+02   -0.3424959155 0.15021438 -2.280047e+00
## ENSG00000163746 1.395849e+00    0.0268999106 1.50291817 1.789845e-02
## ENSG00000163749 4.936027e+01   -0.2147925986 0.37250638 -5.766146e-01
## ENSG00000163751 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163754 1.091673e+03    0.2135660714 0.11734673 1.819958e+00
## ENSG00000163755 7.474568e+02   -0.3835475828 0.11259934 -3.406304e+00
## ENSG00000163762 5.244617e-01   1.5009305373 3.02145943 4.967568e-01
## ENSG00000163781 7.854619e+02    0.2279445652 0.16562932 1.376233e+00
## ENSG00000163785 1.643658e+03   -0.0384621667 0.08595054 -4.474918e-01
## ENSG00000163788 4.652420e+02    0.3804155542 0.14619726 2.602070e+00
## ENSG00000163792 7.225068e+00    0.1683797578 0.58685283 2.869199e-01
## ENSG00000163793 0.000000e+00     NA          NA          NA
## ENSG00000163794 1.216054e+01    0.0739555294 0.55661360 1.328669e-01
## ENSG00000163795 2.768456e+02    0.0814027349 0.16117491 5.050583e-01
## ENSG00000163798 5.701007e+02    0.0372903729 0.10597759 3.518704e-01
## ENSG00000163803 1.075780e+02    1.7297602897 0.37410473 4.623733e+00

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## ENSG00000163806 1.448711e+01 -0.1364440054 0.47623303 -2.865068e-01
## ENSG00000163807 5.604631e+02 -0.0485197738 0.12912171 -3.757678e-01
## ENSG00000163808 1.872543e+01 -0.1151835057 0.50872961 -2.264140e-01
## ENSG00000163810 6.000617e-01 1.6714123278 2.95481028 5.656581e-01
## ENSG00000163811 7.097383e+02 -0.3441894408 0.15564311 -2.211402e+00
## ENSG00000163812 1.002814e+03 0.3305616129 0.12484170 2.647846e+00
## ENSG00000163814 1.478163e+02 0.2241901197 0.38318942 5.850634e-01
## ENSG00000163815 6.042136e+02 -0.1975423079 0.72963582 -2.707410e-01
## ENSG00000163817 1.993657e+01 0.7642784023 0.65835558 1.160890e+00
## ENSG00000163818 4.746214e+02 -0.5333373829 0.14874451 -3.585594e+00
## ENSG00000163820 4.056528e+03 -0.3402218456 0.16821894 -2.022494e+00
## ENSG00000163823 1.047448e+01 -1.8257218432 0.65321024 -2.794999e+00
## ENSG00000163825 2.126202e-01 -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000163827 1.359790e+02 -0.0698078201 0.55190682 -1.264848e-01
## ENSG00000163832 2.700792e+02 -0.1874637382 0.12729489 -1.472673e+00
## ENSG00000163833 3.014683e+00 -0.0101660747 0.89745570 -1.132766e-02
## ENSG00000163840 1.170175e+03 -0.0828912081 0.11499229 -7.208414e-01
## ENSG00000163848 1.325680e+03 -0.0591211998 0.12325102 -4.796812e-01
## ENSG00000163864 1.774994e+01 -0.6941630751 0.62923901 -1.103179e+00
## ENSG00000163866 4.178675e+02 0.3671270779 0.18818020 1.950934e+00
## ENSG00000163867 3.935142e+02 0.0092029243 0.14320067 6.426593e-02
## ENSG00000163870 6.565762e+02 0.3099389372 0.11129511 2.784839e+00
## ENSG00000163872 1.602748e+03 0.1024067128 0.15560002 6.581407e-01
## ENSG00000163873 3.841498e-01 1.0333888392 3.51383736 2.940913e-01
## ENSG00000163874 1.507028e+02 0.2545863231 0.17755016 1.433884e+00
## ENSG00000163875 1.213828e+03 0.1626506304 0.18786222 8.657975e-01
## ENSG00000163877 4.203631e+02 0.3518261880 0.15159245 2.320869e+00
## ENSG00000163879 3.137770e+02 -0.3898944880 0.14139420 -2.757500e+00
## ENSG00000163882 3.822607e+02 0.1064864400 0.18959190 5.616613e-01
## ENSG00000163884 5.741429e+02 4.5372457518 0.43168693 1.051050e+01
## ENSG00000163885 1.209811e+00 0.3383066342 2.64780123 1.277689e-01
## ENSG00000163888 6.695005e+00 -0.5670244617 0.71804265 -7.896808e-01
## ENSG00000163898 8.181640e+00 0.5781601015 0.68078130 8.492597e-01
## ENSG00000163900 2.955365e+02 0.3294883303 0.17921749 1.838483e+00
## ENSG00000163902 3.563876e+03 0.2457856904 0.10801307 2.275518e+00
## ENSG00000163904 8.663134e+02 -0.1506224034 0.18183200 -8.283603e-01
## ENSG00000163909 1.352215e+00 0.4644603792 1.59925206 2.904235e-01
## ENSG00000163913 6.170286e+02 0.0141829938 0.18359820 7.725018e-02
## ENSG00000163914 0.000000e+00 NA NA NA
## ENSG00000163918 1.135786e+02 -0.1401302398 0.24826903 -5.644290e-01
## ENSG00000163923 1.132574e+02 0.0979459533 0.18368664 5.332231e-01
## ENSG00000163930 1.440442e+03 0.1190876269 0.10511688 1.132907e+00
## ENSG00000163931 5.023333e+03 -0.6268003096 0.26308270 -2.382522e+00
## ENSG00000163932 3.985711e+02 0.1594098520 0.14994995 1.063087e+00
## ENSG00000163933 3.089979e+02 0.1068166619 0.16260074 6.569260e-01
## ENSG00000163935 1.082575e+02 -0.0289437819 0.31265406 -9.257446e-02
## ENSG00000163938 1.096788e+03 -0.1047169604 0.15808302 -6.624175e-01
## ENSG00000163939 1.699307e+03 -0.1812528983 0.12272832 -1.476863e+00
## ENSG00000163945 2.604956e+02 -0.1761841927 0.37362688 -4.715512e-01
## ENSG00000163946 1.772308e+03 0.1596661894 0.12205785 1.308119e+00
## ENSG00000163947 5.615708e+02 -0.9828286190 0.26150303 -3.758383e+00
## ENSG00000163950 7.276091e+02 0.2159809819 0.09256468 2.333298e+00
## ENSG00000163956 2.087796e+03 -0.0788126141 0.12468042 -6.321170e-01
## ENSG00000163958 2.130927e-01 -1.2312738004 3.52871919 -3.489294e-01

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## ENSG00000163959 6.276651e+01 -0.0344549383 0.22319516 -1.543713e-01
## ENSG00000163960 1.626947e+03 -0.1199269897 0.15589630 -7.692741e-01
## ENSG00000163961 4.089216e+02 0.2274070840 0.15189279 1.497155e+00
## ENSG00000163964 1.798370e+02 0.2099029620 0.17762040 1.181750e+00
## ENSG00000163975 2.675649e+02 -0.0504630531 0.30744479 -1.641370e-01
## ENSG00000163982 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000163993 4.084954e-01 -2.0470569962 3.47229166 -5.895406e-01
## ENSG00000163995 5.037291e+00 3.3070838092 1.54077349 2.146379e+00
## ENSG00000164002 9.111403e+01 0.1148547328 0.19834238 5.790731e-01
## ENSG00000164007 7.511794e-01 -1.8232873907 2.75851211 -6.609677e-01
## ENSG00000164008 1.125711e+02 -0.3724411588 0.15959713 -2.333633e+00
## ENSG00000164010 8.288117e+02 -0.3711038527 0.18021365 -2.059244e+00
## ENSG00000164011 1.314037e+02 -0.2877566710 0.16585819 -1.734956e+00
## ENSG00000164022 8.268833e+02 -0.0156123408 0.12715427 -1.227827e-01
## ENSG00000164023 1.732466e+03 0.4574232862 0.15354248 2.979132e+00
## ENSG00000164024 7.230990e+02 0.0189598858 0.09976999 1.900360e-01
## ENSG00000164031 1.146546e+03 0.2847286319 0.13508710 2.107741e+00
## ENSG00000164032 7.695268e+02 0.1022431834 0.18853390 5.423066e-01
## ENSG00000164035 4.904791e+00 -0.5534889164 0.78488468 -7.051850e-01
## ENSG00000164037 2.284638e+01 0.0869774294 0.40340172 2.156100e-01
## ENSG00000164038 3.971238e+02 0.2626855555 0.13625200 1.927939e+00
## ENSG00000164039 1.244495e+03 -0.3589188568 0.11859470 -3.026432e+00
## ENSG00000164040 3.006280e+03 -0.1297035315 0.17058745 -7.603345e-01
## ENSG00000164045 1.953867e+01 0.3706847790 0.37865500 9.789512e-01
## ENSG00000164047 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000164048 1.919250e+02 -0.6868366615 0.13604736 -5.048512e+00
## ENSG00000164049 1.462184e+01 0.4028654021 0.44034120 9.148937e-01
## ENSG00000164050 3.546326e+03 0.7561357327 0.14300775 5.287376e+00
## ENSG00000164051 2.916520e+02 0.4935385415 0.24486712 2.015536e+00
## ENSG00000164053 1.137035e+02 0.0927908979 0.25935866 3.577706e-01
## ENSG00000164054 3.496421e+03 0.1688051850 0.06979490 2.418589e+00
## ENSG00000164056 7.694864e+02 0.3375010073 0.27654264 1.220430e+00
## ENSG00000164061 2.017901e+01 -0.3493251544 0.44142446 -7.913588e-01
## ENSG00000164062 1.235977e+03 0.0875087452 0.13664637 6.404030e-01
## ENSG00000164066 6.017561e+02 -0.0649151920 0.35645127 -1.821152e-01
## ENSG00000164068 8.233138e+02 0.3384506033 0.17500591 1.933938e+00
## ENSG00000164070 6.336674e+02 -1.3832394719 0.25420028 -5.441534e+00
## ENSG00000164073 2.557204e+02 -0.1106480858 0.12684603 -8.723023e-01
## ENSG00000164074 1.532156e+02 0.0949577945 0.16751921 5.668472e-01
## ENSG00000164076 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000164077 2.039840e+02 0.0563488136 0.15075573 3.737756e-01
## ENSG00000164078 1.243962e+01 -0.3300509556 0.82617728 -3.994917e-01
## ENSG00000164080 6.596241e+02 0.0729861343 0.13238843 5.513029e-01
## ENSG00000164081 8.527026e+02 0.2179484174 0.10719117 2.033268e+00
## ENSG00000164082 1.790645e+00 0.1615736556 1.15215877 1.402356e-01
## ENSG00000164086 3.262387e+02 0.0255331919 0.20636949 1.237256e-01
## ENSG00000164087 4.229742e+01 -0.1555096394 0.28638342 -5.430120e-01
## ENSG00000164088 6.430836e+02 -0.0777312234 0.11947123 -6.506271e-01
## ENSG00000164089 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000164091 2.414141e+03 -0.0207787159 0.07404576 -2.806199e-01
## ENSG00000164093 9.183520e+00 -0.0181936679 0.97397556 -1.867980e-02
## ENSG00000164096 2.364713e+03 -0.4414311630 0.30071039 -1.467961e+00
## ENSG00000164099 6.547733e+03 -0.1852188554 0.19065358 -9.714942e-01
## ENSG00000164100 3.853851e+00 -0.0635466583 1.12874280 -5.629862e-02

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## ENSG00000164104 1.072429e+03    1.2578846767 0.20774274 6.055012e+00
## ENSG00000164105 5.383557e+02    1.2085460788 0.16529400 7.311494e+00
## ENSG00000164106 3.596789e+01    1.4650429453 0.50736723 2.887540e+00
## ENSG00000164107 1.598707e+01    1.5359394583 0.72237995 2.126221e+00
## ENSG00000164109 7.002442e+01    0.0101712563 0.25129234 4.047579e-02
## ENSG00000164111 2.437314e+04    0.1775562290 0.16321230 1.087885e+00
## ENSG00000164112 4.202363e+02    0.9104318102 0.47805685 1.904443e+00
## ENSG00000164113 0.000000e+00    NA          NA          NA
## ENSG00000164114 6.497484e+02    -0.0518725988 0.12960735 -4.002288e-01
## ENSG00000164116 2.732675e+02    -0.4500688408 0.38889210 -1.157310e+00
## ENSG00000164117 3.855264e+02    0.1848933951 0.14217283 1.300483e+00
## ENSG00000164118 2.696668e+02    -0.0297902173 0.20424009 -1.458588e-01
## ENSG00000164120 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000164122 2.138419e+01    2.3249644067 0.69398460 3.350167e+00
## ENSG00000164123 4.548593e-01    -2.2297333753 3.04281603 -7.327861e-01
## ENSG00000164124 1.519416e+02    0.1042253211 0.33616050 3.100463e-01
## ENSG00000164125 7.257008e+03    1.0248524853 0.08660454 1.183370e+01
## ENSG00000164128 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000164129 0.000000e+00    NA          NA          NA
## ENSG00000164134 8.617143e+02    0.3070649408 0.20259526 1.515657e+00
## ENSG00000164136 1.447957e+02    -0.0034111381 0.28910453 -1.179898e-02
## ENSG00000164142 9.463200e+00    3.0500042553 0.76150735 4.005220e+00
## ENSG00000164144 7.275373e+02    -0.1553601874 0.12143620 -1.279356e+00
## ENSG00000164151 1.242029e+03    0.1499462639 0.10957022 1.368495e+00
## ENSG00000164161 2.366506e+01    1.3187657035 0.86924359 1.517142e+00
## ENSG00000164162 1.108437e+02    0.1230320560 0.18117897 6.790637e-01
## ENSG00000164163 1.134009e+03    0.0549355623 0.16244604 3.381773e-01
## ENSG00000164164 1.534290e+03    0.2762309273 0.14276540 1.934859e+00
## ENSG00000164167 1.542768e+02    0.3365571182 0.17596269 1.912662e+00
## ENSG00000164168 1.247898e+03    0.2755899673 0.13996600 1.968978e+00
## ENSG00000164169 2.109575e+02    -0.0667766743 0.15492564 -4.310240e-01
## ENSG00000164171 8.470206e+02    -0.9601724406 0.23915561 -4.014844e+00
## ENSG00000164172 9.638544e+02    -0.4425901380 0.12507636 -3.538559e+00
## ENSG00000164175 3.695827e-01    0.9797051531 3.51732504 2.785370e-01
## ENSG00000164176 2.643759e+03    0.0255556224 0.30816733 8.292775e-02
## ENSG00000164180 3.151156e+02    0.1631441321 0.14006581 1.164768e+00
## ENSG00000164181 3.079525e+00    -1.4498658382 1.25318856 -1.156941e+00
## ENSG00000164182 2.768823e+02    -0.0165076474 0.15900356 -1.038194e-01
## ENSG00000164185 1.568149e+01    1.1991913864 0.60448015 1.983839e+00
## ENSG00000164187 4.932996e+02    -0.0966639808 0.22753184 -4.248372e-01
## ENSG00000164188 4.878002e+00    0.6420919807 1.06096034 6.051989e-01
## ENSG00000164190 1.705340e+03    -0.0026603759 0.13531944 -1.965997e-02
## ENSG00000164197 2.945712e+01    0.5953005582 0.54154382 1.099266e+00
## ENSG00000164199 1.032281e+01    -0.0311170218 0.86444320 -3.599661e-02
## ENSG00000164209 1.619201e+03    0.1154318390 0.10103182 1.142530e+00
## ENSG00000164211 3.054684e+02    -0.2471346680 0.20424558 -1.209988e+00
## ENSG00000164219 3.928116e+02    -0.3635961805 0.18315176 -1.985218e+00
## ENSG00000164220 2.360671e+03    -0.3795003427 0.25234424 -1.503899e+00
## ENSG00000164221 1.633599e+02    -0.1033995513 0.15759854 -6.560946e-01
## ENSG00000164236 2.843019e+03    0.0531863047 0.13876921 3.832717e-01
## ENSG00000164237 5.765625e+02    -0.8633712673 0.19031404 -4.536561e+00
## ENSG00000164241 8.030231e+01    0.4132499816 0.30394990 1.359599e+00
## ENSG00000164244 1.569317e+03    -0.3139455621 0.15754101 -1.992786e+00
## ENSG00000164251 4.758557e+01    -0.2298362147 0.31416585 -7.315760e-01

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## ENSG00000164252 8.238496e+02    0.0021695363 0.08937092  2.427564e-02
## ENSG00000164253 5.642958e+02    -0.1671550046 0.15080754 -1.108400e+00
## ENSG00000164256 5.852066e-01    0.4666416367 3.06702591  1.521479e-01
## ENSG00000164258 6.389731e+02    -0.1222109548 0.10005086 -1.221488e+00
## ENSG00000164265 9.631699e+00    0.3971140080 0.75043755  5.291766e-01
## ENSG00000164266 7.752450e-01    -1.9987770233 3.43943176 -5.811358e-01
## ENSG00000164270 3.841498e-01    1.0333888392 3.51383736  2.940913e-01
## ENSG00000164283 2.365799e+01    -0.7302687991 0.55263032 -1.321442e+00
## ENSG00000164284 2.102486e+02    -0.2385213423 0.16510429 -1.444671e+00
## ENSG00000164287 4.834750e+00    -0.0518089338 0.85565592 -6.054879e-02
## ENSG00000164291 4.916803e+02    0.7743746182 0.11707472  6.614363e+00
## ENSG00000164292 1.528833e+04    1.0664057950 0.24067325  4.430928e+00
## ENSG00000164294 3.507760e+03    -0.4888180097 0.07731437 -6.322473e+00
## ENSG00000164296 1.704467e+02    0.0694348765 0.20860362  3.328556e-01
## ENSG00000164299 0.000000e+00      NA          NA          NA
## ENSG00000164300 6.250412e+02    -0.1311031071 0.12039693 -1.088924e+00
## ENSG00000164303 1.335038e+01    -0.2865934318 0.52242604 -5.485818e-01
## ENSG00000164304 5.910244e-01    -2.6005582877 2.82427626 -9.207875e-01
## ENSG00000164305 5.251218e+02    0.7852591419 0.15381651  5.105168e+00
## ENSG00000164306 2.349210e+02    -0.1141974651 0.25430812 -4.490516e-01
## ENSG00000164307 1.402858e+03    -0.3317647495 0.13754013 -2.412130e+00
## ENSG00000164308 8.576548e+02    -0.1989536181 0.89826225 -2.214872e-01
## ENSG00000164309 5.064641e+02    -0.1845299905 0.40792544 -4.523621e-01
## ENSG00000164318 1.243213e+01    -0.3624799246 0.84077349 -4.311267e-01
## ENSG00000164323 1.218225e+03    0.1982692114 0.14240701  1.392271e+00
## ENSG00000164325 0.000000e+00      NA          NA          NA
## ENSG00000164326 0.000000e+00      NA          NA          NA
## ENSG00000164327 1.041299e+03    0.2449780258 0.10354241  2.365968e+00
## ENSG00000164329 9.710094e+02    0.1575338554 0.15022313  1.048666e+00
## ENSG00000164330 8.934156e+02    0.9834994266 0.24412668  4.028644e+00
## ENSG00000164331 4.230883e+02    -0.1779553132 0.18546214 -9.595237e-01
## ENSG00000164332 7.444631e+02    0.2863441901 0.11763907  2.434091e+00
## ENSG00000164334 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000164338 1.868325e+02    0.2503391084 0.19286072  1.298031e+00
## ENSG00000164342 1.905018e+02    -0.7115325002 0.31860724 -2.233259e+00
## ENSG00000164344 5.250123e+00    -0.6787201231 1.30659147 -5.194586e-01
## ENSG00000164346 1.627601e+03    -0.1268663438 0.15049204 -8.430104e-01
## ENSG00000164347 4.397379e+02    0.0085516735 0.21000671  4.072095e-02
## ENSG00000164362 0.000000e+00      NA          NA          NA
## ENSG00000164363 0.000000e+00      NA          NA          NA
## ENSG00000164366 1.151449e+03    0.3045414137 0.17078802  1.783154e+00
## ENSG00000164379 9.096988e+01    -0.6806443613 0.28372433 -2.398964e+00
## ENSG00000164393 6.050913e-01    -0.2628216007 2.45818970 -1.069167e-01
## ENSG00000164398 2.198051e+01    0.4808539586 0.61381356  7.833876e-01
## ENSG00000164399 0.000000e+00      NA          NA          NA
## ENSG00000164400 9.415585e-01    -0.0277396494 2.18008060 -1.272414e-02
## ENSG00000164402 2.021329e+03    -0.3311773430 0.07695900 -4.303296e+00
## ENSG00000164403 2.581164e+02    -0.0538390419 0.18680116 -2.882158e-01
## ENSG00000164404 6.525998e+00    1.2176775810 1.01492321  1.199773e+00
## ENSG00000164405 8.963157e+02    0.0203533962 0.18037391  1.128400e-01
## ENSG00000164406 1.409436e+01    0.3864326968 0.52855800  7.311075e-01
## ENSG00000164411 1.383063e+00    0.5164899646 1.52783896  3.380526e-01
## ENSG00000164414 4.953638e+02    0.1367595186 0.17914270  7.634111e-01
## ENSG00000164418 3.223432e+01    0.0604949760 0.54693995  1.106062e-01

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## ENSG00000164430 6.542659e+01    0.1603441354 0.24291409  6.600858e-01
## ENSG00000164434 9.744767e+00   -1.1821218393 0.72994574 -1.619465e+00
## ENSG00000164438 0.000000e+00      NA          NA          NA
## ENSG00000164440 2.140497e+02   -0.8230933988 0.34381220 -2.394020e+00
## ENSG00000164442 7.569275e+03    1.5748000677 0.26588401  5.922884e+00
## ENSG00000164451 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000164458 0.000000e+00      NA          NA          NA
## ENSG00000164463 1.517473e+03    0.3119059473 0.17370316  1.795626e+00
## ENSG00000164465 6.629567e+02   -0.4943112351 0.19132942 -2.583561e+00
## ENSG00000164466 7.348026e+02   -0.0824057911 0.21754179 -3.788044e-01
## ENSG00000164483 1.864972e+01   -0.8360799747 0.47056382 -1.776762e+00
## ENSG00000164484 8.144020e+02   -1.1848900659 0.13091893 -9.050564e+00
## ENSG00000164485 0.000000e+00      NA          NA          NA
## ENSG00000164488 0.000000e+00      NA          NA          NA
## ENSG00000164494 3.464636e+02   -0.1256728493 0.11916185 -1.054640e+00
## ENSG00000164500 0.000000e+00      NA          NA          NA
## ENSG00000164506 1.761827e+03    0.2929319014 0.13771751  2.127049e+00
## ENSG00000164508 0.000000e+00      NA          NA          NA
## ENSG00000164509 4.848459e+01   -1.2264569006 0.69664503 -1.760519e+00
## ENSG00000164512 7.269556e+00   -1.6065184628 0.72508265 -2.215635e+00
## ENSG00000164520 1.272829e+01   -1.0824693670 0.65941210 -1.641567e+00
## ENSG00000164530 1.127419e+02   -1.5840839733 1.32800050 -1.192834e+00
## ENSG00000164532 0.000000e+00      NA          NA          NA
## ENSG00000164535 3.746417e+02    0.3766924768 0.14489213  2.599813e+00
## ENSG00000164542 4.652473e+01   -0.7285363027 0.50624264 -1.439105e+00
## ENSG00000164543 1.058772e+03   -0.5606011135 0.27266639 -2.055996e+00
## ENSG00000164548 7.621640e+02   -0.3844210495 0.20149873 -1.907809e+00
## ENSG00000164556 4.075499e-01    2.2245853956 3.15795147  7.044394e-01
## ENSG00000164574 3.171994e+03    0.2613896098 0.17799072  1.468558e+00
## ENSG00000164576 1.678813e+03    0.1440334741 0.10358951  1.390425e+00
## ENSG00000164587 8.560371e+03    0.0266307706 0.19694448  1.352197e-01
## ENSG00000164588 4.516783e+00    0.1608579558 0.90554184  1.776372e-01
## ENSG00000164591 1.663670e+01   -1.2208448605 0.55704705 -2.191637e+00
## ENSG00000164597 1.005673e+03   -0.2529824334 0.10512529 -2.406485e+00
## ENSG00000164600 0.000000e+00      NA          NA          NA
## ENSG00000164603 4.317615e+02    0.1787518943 0.25565914  6.991805e-01
## ENSG00000164604 3.894154e+01   -0.4785434676 0.31221054 -1.532759e+00
## ENSG00000164609 1.284502e+03   -0.0348578998 0.14329681 -2.432566e-01
## ENSG00000164610 1.282154e+02   -0.4848232137 0.18017501 -2.690846e+00
## ENSG00000164611 8.981984e+01   -0.0698256054 0.26866622 -2.598972e-01
## ENSG00000164615 1.069166e+03    0.1543143104 0.16591826  9.300622e-01
## ENSG00000164616 3.319775e-01   -0.5489483375 3.38908478 -1.619754e-01
## ENSG00000164619 5.528972e+02   -1.3638515915 0.35049178 -3.891251e+00
## ENSG00000164620 4.186367e+01   -0.0570235089 0.36730374 -1.552489e-01
## ENSG00000164626 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000164627 3.044270e+01   -0.5222255370 0.50330163 -1.037600e+00
## ENSG00000164631 7.135410e+02   -0.1038527963 0.14831994 -7.001944e-01
## ENSG00000164638 9.557852e+01   -0.5734885882 0.39733685 -1.443331e+00
## ENSG00000164645 0.000000e+00      NA          NA          NA
## ENSG00000164647 1.885615e+03    1.5471905163 0.14264538  1.084641e+01
## ENSG00000164649 4.803799e+02   -0.3161570681 0.18314736 -1.726244e+00
## ENSG00000164651 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000164654 2.747894e+02    0.3355603108 0.13605379  2.466380e+00
## ENSG00000164659 1.057340e+02   -0.0999446559 0.54857788 -1.821886e-01

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## ENSG00000164663 2.863747e+02 -0.3473758508 0.17144542 -2.026160e+00
## ENSG00000164669 1.930769e+01 -0.4993980050 0.80292613 -6.219725e-01
## ENSG00000164674 7.419105e+01 -0.3704143514 0.29091908 -1.273256e+00
## ENSG00000164675 4.430803e+01 0.1508522932 0.54288596 2.778711e-01
## ENSG00000164683 1.463482e+00 -0.2996769474 1.52361504 -1.966881e-01
## ENSG00000164684 2.239283e+02 0.4333527569 0.90348947 4.796434e-01
## ENSG00000164687 3.051525e+01 0.2432722426 0.39867488 6.102021e-01
## ENSG00000164690 6.075741e-01 -2.6324771444 2.30244791 -1.143338e+00
## ENSG00000164691 2.248589e+00 -2.2071442502 1.30536588 -1.690824e+00
## ENSG00000164692 2.076897e+05 -0.4692304535 0.10915160 -4.298888e+00
## ENSG00000164694 3.711886e+02 -0.6863591837 0.38897382 -1.764538e+00
## ENSG00000164695 9.958706e-01 -0.5615727529 1.69357726 -3.315897e-01
## ENSG00000164707 6.462792e+01 0.0254953558 0.27293444 9.341202e-02
## ENSG00000164708 7.651561e-01 1.2455935955 2.80758468 4.436531e-01
## ENSG00000164713 2.046838e+03 0.2913017081 0.11632868 2.504126e+00
## ENSG00000164715 3.585822e+02 0.1328839468 0.19968038 6.654833e-01
## ENSG00000164729 0.000000e+00 NA NA NA
## ENSG00000164733 2.788549e+04 0.1968959257 0.21910264 8.986470e-01
## ENSG00000164736 0.000000e+00 NA NA NA
## ENSG00000164740 0.000000e+00 NA NA NA
## ENSG00000164741 3.769758e+03 -0.0257811802 0.16150824 -1.596276e-01
## ENSG00000164742 3.593866e+02 -2.3259398507 1.10347299 -2.107836e+00
## ENSG00000164743 4.938844e+01 -0.3047909418 0.30345959 -1.004387e+00
## ENSG00000164744 9.893397e-01 -0.2045312872 2.20201005 -9.288390e-02
## ENSG00000164746 4.963808e-01 -1.1722894302 2.51107797 -4.668471e-01
## ENSG00000164749 1.642036e+00 -0.3208026509 1.34328987 -2.388186e-01
## ENSG00000164751 7.848682e+02 -0.0330517258 0.12903689 -2.561417e-01
## ENSG00000164754 2.954596e+03 0.4635818404 0.14023049 3.305856e+00
## ENSG00000164756 8.207399e-01 -0.1196559246 3.41884943 -3.499889e-02
## ENSG00000164758 1.103781e+02 0.4295096282 0.23662449 1.815153e+00
## ENSG00000164761 7.814682e+03 -1.5869418382 0.36337155 -4.367270e+00
## ENSG00000164764 2.441129e+01 0.6053867848 0.38342465 1.578894e+00
## ENSG00000164776 3.066664e+01 -0.5785056420 0.40218458 -1.438408e+00
## ENSG00000164778 2.541418e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000164794 2.367146e+01 0.6939370714 0.37527602 1.849138e+00
## ENSG00000164796 4.950206e+00 -0.3890107898 0.72300451 -5.380475e-01
## ENSG00000164808 1.155993e+03 -0.0946383911 0.13516330 -7.001782e-01
## ENSG00000164815 2.508282e+02 0.0460398663 0.15925701 2.890916e-01
## ENSG00000164816 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000164818 5.533913e+02 -0.1015632492 0.12833875 -7.913686e-01
## ENSG00000164821 0.000000e+00 NA NA NA
## ENSG00000164822 0.000000e+00 NA NA NA
## ENSG00000164823 3.785879e+02 0.0237537466 0.19244373 1.234322e-01
## ENSG00000164825 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000164828 3.105563e+03 0.2147526376 0.21111675 1.017222e+00
## ENSG00000164830 8.692815e+02 -0.2245656664 0.14854286 -1.511790e+00
## ENSG00000164841 1.223650e+00 -0.3380574124 1.59556695 -2.118729e-01
## ENSG00000164845 4.001961e+01 -0.6558765359 0.43125010 -1.520873e+00
## ENSG00000164849 3.390083e+01 0.7471184414 0.59578814 1.254000e+00
## ENSG00000164850 9.901994e+01 -0.7898289130 0.22068596 -3.578972e+00
## ENSG00000164853 0.000000e+00 NA NA NA
## ENSG00000164855 1.581713e+01 1.1814025238 0.78501669 1.504939e+00
## ENSG00000164867 9.800812e+00 -0.4066488000 1.03538068 -3.927529e-01
## ENSG00000164871 0.000000e+00 NA NA NA

```

```

## ENSG00000164877 8.661230e+02 -0.2215969341 0.17824275 -1.243231e+00
## ENSG00000164879 2.614253e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000164880 2.287465e+03 0.0072240108 0.14592084 4.950637e-02
## ENSG00000164885 1.970741e+02 0.0327791276 0.20609547 1.590483e-01
## ENSG00000164889 2.084810e+03 0.3023179954 0.11507793 2.627072e+00
## ENSG00000164893 3.182787e-01 1.9533382116 3.50190451 5.577931e-01
## ENSG00000164896 1.132413e+03 0.0193957130 0.14804012 1.310166e-01
## ENSG00000164897 3.637580e+02 0.0654033193 0.15076863 4.337993e-01
## ENSG00000164898 6.271830e+01 0.7676713674 0.42248772 1.817026e+00
## ENSG00000164900 5.113881e-01 2.5295263436 3.46620533 7.297682e-01
## ENSG00000164902 9.781377e+02 -0.0058236322 0.11476366 -5.074457e-02
## ENSG00000164904 1.082654e+03 0.0569627054 0.17481212 3.258510e-01
## ENSG00000164916 8.923363e+02 0.1801239513 0.10430767 1.726852e+00
## ENSG00000164919 1.247828e+03 0.0077336904 0.12869420 6.009354e-02
## ENSG00000164920 4.636994e+03 -0.7444881777 0.21529478 -3.457995e+00
## ENSG00000164924 1.018483e+04 0.0460472569 0.10749693 4.283588e-01
## ENSG00000164929 9.619540e+01 -0.9720684933 0.52495561 -1.851716e+00
## ENSG00000164930 1.405691e+03 1.0012435904 0.29236681 3.424614e+00
## ENSG00000164932 2.404515e+03 1.0725849295 0.69837799 1.535823e+00
## ENSG00000164933 5.325369e+02 0.7935661353 0.16424410 4.831626e+00
## ENSG00000164934 5.781233e+02 0.3683963132 0.19375971 1.901305e+00
## ENSG00000164935 0.000000e+00 NA NA NA
## ENSG00000164938 1.987969e+03 -0.2765573638 0.12828870 -2.155742e+00
## ENSG00000164941 6.227640e+02 -0.1432541941 0.14061335 -1.018781e+00
## ENSG00000164944 1.660942e+03 0.0172478785 0.14328830 1.203719e-01
## ENSG00000164946 1.227348e+01 1.2961468590 1.28438732 1.009156e+00
## ENSG00000164949 2.026756e+03 0.5291369051 0.21847163 2.421994e+00
## ENSG00000164951 9.625919e+02 -0.2181212428 0.19518079 -1.117534e+00
## ENSG00000164953 2.278389e+02 -0.4179445661 0.21727256 -1.923596e+00
## ENSG00000164961 2.120997e+03 -0.1295856494 0.15198473 -8.526228e-01
## ENSG00000164967 1.668076e+02 -0.0862675233 0.15685745 -5.499740e-01
## ENSG00000164970 4.016653e+02 -0.0316296121 0.11950678 -2.646679e-01
## ENSG00000164972 3.898788e+00 0.0412043880 1.03658759 3.975003e-02
## ENSG00000164975 8.508605e+02 0.0119619942 0.17198074 6.955427e-02
## ENSG00000164976 6.782212e+01 -0.2653259079 0.24380543 -1.088269e+00
## ENSG00000164978 3.002694e+02 0.0634914969 0.22264604 2.851679e-01
## ENSG00000164983 5.448913e+02 -0.1401495977 0.17733027 -7.903310e-01
## ENSG00000164985 1.662622e+03 -0.4038306118 0.10936789 -3.692406e+00
## ENSG00000164989 8.321401e+01 -0.5297501420 0.31540879 -1.679567e+00
## ENSG00000165006 1.161379e+03 0.0501896422 0.10473856 4.791898e-01
## ENSG00000165023 1.195133e+01 -1.4880807938 0.64001736 -2.325063e+00
## ENSG00000165025 1.459551e+00 -0.8054759499 1.27535313 -6.315709e-01
## ENSG00000165028 2.169588e+01 -0.3928182295 0.43868389 -8.954471e-01
## ENSG00000165029 8.123993e+03 0.0987773381 0.21576571 4.577990e-01
## ENSG00000165030 1.443828e+03 1.1670558836 0.20504377 5.691740e+00
## ENSG00000165046 8.397187e+01 0.2255057636 0.23327727 9.666855e-01
## ENSG00000165055 4.321732e+02 -0.0054544998 0.14011914 -3.892759e-02
## ENSG00000165059 0.000000e+00 NA NA NA
## ENSG00000165060 8.748079e+01 -0.0992454872 0.21580438 -4.598863e-01
## ENSG00000165061 4.243125e+00 1.1506671320 0.92485224 1.244163e+00
## ENSG00000165066 0.000000e+00 NA NA NA
## ENSG00000165071 9.591569e+00 0.2851491921 0.66020191 4.319121e-01
## ENSG00000165072 7.487635e+02 2.2214012707 0.73732636 3.012779e+00
## ENSG00000165076 3.352438e-01 -1.7946178462 3.31505278 -5.413542e-01

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## ENSG00000165078 3.779262e+01 -0.7121184370 0.39644383 -1.796266e+00
## ENSG00000165084 1.153234e+02 -0.0228228277 0.48173273 -4.737654e-02
## ENSG00000165091 5.087693e+00 0.5216236421 0.94610944 5.513354e-01
## ENSG00000165092 5.479037e+02 -0.4458619047 0.98193721 -4.540636e-01
## ENSG00000165097 6.142472e+02 -0.1433259692 0.12699631 -1.128584e+00
## ENSG00000165102 2.948684e+03 -0.0135618123 0.15576989 -8.706312e-02
## ENSG00000165105 1.178810e+02 -0.4203434256 0.21546263 -1.950888e+00
## ENSG00000165113 3.071564e+01 -0.5210967822 0.40039073 -1.301471e+00
## ENSG00000165115 1.381607e+02 -0.1174289528 0.33047942 -3.553291e-01
## ENSG00000165118 3.466316e+02 0.1447281222 0.11001372 1.315546e+00
## ENSG00000165119 9.192361e+03 0.0878215496 0.09214871 9.530415e-01
## ENSG00000165120 2.286975e-01 -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000165121 2.063037e+01 -0.3591794942 0.49215247 -7.298135e-01
## ENSG00000165124 5.882199e+04 0.6700785950 0.25652087 2.612180e+00
## ENSG00000165125 2.861765e+01 2.0537120610 0.97762197 2.100722e+00
## ENSG00000165131 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000165138 7.505519e+02 0.0667247284 0.15255243 4.373888e-01
## ENSG00000165140 6.178336e-01 0.3865012882 3.49298519 1.106507e-01
## ENSG00000165152 3.877652e+02 0.4105203442 0.29572966 1.388161e+00
## ENSG00000165156 1.192799e+03 -0.3000060132 0.15493845 -1.936292e+00
## ENSG00000165164 0.000000e+00 NA NA NA
## ENSG00000165168 2.126202e-01 -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000165169 1.267849e+03 0.1005772538 0.17546552 5.732024e-01
## ENSG00000165171 8.150246e+01 0.0224376730 0.62590085 3.584861e-02
## ENSG00000165175 9.931915e+02 -0.0914940502 0.21222789 -4.311123e-01
## ENSG00000165178 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000165181 2.479092e+00 0.5181496608 1.17998786 4.391144e-01
## ENSG00000165182 4.002270e-01 1.0333888392 3.51383736 2.940913e-01
## ENSG00000165185 8.037660e+01 -0.0399043054 0.26029162 -1.533061e-01
## ENSG00000165186 6.456587e+00 0.0276264090 0.67984498 4.063634e-02
## ENSG00000165188 9.141805e-01 -0.6247992961 1.88547743 -3.313746e-01
## ENSG00000165192 1.241467e+00 0.7065134549 1.79101912 3.944757e-01
## ENSG00000165194 6.385133e+00 -0.4193996791 0.73316099 -5.720431e-01
## ENSG00000165195 1.745886e+02 0.9925028225 0.31155419 3.185651e+00
## ENSG00000165197 1.934043e+02 -0.9521545075 0.36233142 -2.627855e+00
## ENSG00000165202 5.065904e+00 -1.0997949390 1.26332713 -8.705544e-01
## ENSG00000165204 3.186941e-01 -1.7304205930 3.49374139 -4.952916e-01
## ENSG00000165209 1.209721e+02 0.0243067339 0.23700761 1.025568e-01
## ENSG00000165215 0.000000e+00 NA NA NA
## ENSG00000165219 1.018089e+03 0.0935789447 0.10978580 8.523775e-01
## ENSG00000165233 2.951075e+02 0.0829101699 0.18274075 4.537038e-01
## ENSG00000165238 5.479233e-01 2.6663991625 3.45882763 7.708968e-01
## ENSG00000165240 6.223871e+02 -0.3682965383 0.12233971 -3.010442e+00
## ENSG00000165244 4.319448e+01 1.2486462750 0.41947042 2.976721e+00
## ENSG00000165246 4.770064e+02 -0.3016257515 1.46235489 -2.062603e-01
## ENSG00000165259 8.428427e+01 -0.0514810111 0.27809330 -1.851214e-01
## ENSG00000165264 3.894817e+02 0.2086147162 0.15220594 1.370608e+00
## ENSG00000165269 1.141775e+01 -1.1686250982 0.77497116 -1.507959e+00
## ENSG00000165271 6.648744e+02 -0.1525805095 0.22926563 -6.655185e-01
## ENSG00000165272 1.401665e+02 -2.9447127529 0.48058120 -6.127399e+00
## ENSG00000165275 1.861005e+02 0.0204601985 0.15144418 1.351006e-01
## ENSG00000165280 5.800055e+03 -0.0134575627 0.08656280 -1.554659e-01
## ENSG00000165282 3.198439e+02 -0.1306888490 0.16619647 -7.863515e-01
## ENSG00000165283 1.003515e+03 0.1638050821 0.11359348 1.442029e+00

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## ENSG00000165288 4.652546e+02 -0.1878268738 0.19400919 -9.681339e-01
## ENSG00000165300 7.573137e+00 -0.3164824417 0.64588527 -4.899979e-01
## ENSG00000165304 1.591178e+02 0.2811113440 0.19588693 1.435069e+00
## ENSG00000165309 3.160076e+00 -2.3057080429 1.20452701 -1.914202e+00
## ENSG00000165312 1.822621e+02 0.2939085193 0.20367114 1.443054e+00
## ENSG00000165322 1.487233e+03 0.1832099441 0.13427152 1.364474e+00
## ENSG00000165323 1.299598e+01 -0.4747864980 0.62684887 -7.574178e-01
## ENSG00000165325 0.000000e+00 NA NA NA
## ENSG00000165338 6.077191e+02 -0.1950376986 0.13178861 -1.479928e+00
## ENSG00000165349 5.556359e+00 1.1598679996 1.17688096 9.855440e-01
## ENSG00000165355 3.632205e+02 0.2845661718 0.17417765 1.633770e+00
## ENSG00000165359 1.800526e+02 -0.2052714574 0.15616759 -1.314431e+00
## ENSG00000165370 0.000000e+00 NA NA NA
## ENSG00000165376 2.101421e+00 0.3850418526 1.10588152 3.481764e-01
## ENSG00000165379 8.602304e+00 -0.4866464949 1.25871761 -3.866209e-01
## ENSG00000165383 3.535741e+01 0.9116800562 0.55932151 1.629975e+00
## ENSG00000165389 1.795035e+03 -0.1032822430 0.40115859 -2.574599e-01
## ENSG00000165392 3.556330e+02 0.0705470928 0.14861709 4.746903e-01
## ENSG00000165406 1.127543e+03 -0.1289462105 0.22823069 -5.649819e-01
## ENSG00000165409 1.226790e+00 1.9320070464 1.92197530 1.005219e+00
## ENSG00000165410 2.143939e+03 -0.0428226476 0.10934072 -3.916441e-01
## ENSG00000165416 8.948051e+02 -0.0971611308 0.14298577 -6.795161e-01
## ENSG00000165417 1.007280e+03 -0.2383821682 0.19305547 -1.234786e+00
## ENSG00000165424 6.255050e+03 0.0521954076 0.12313366 4.238923e-01
## ENSG00000165434 3.273545e+02 -0.3320600849 0.29603895 -1.121677e+00
## ENSG00000165443 2.376375e+00 3.9817373071 2.04064498 1.951215e+00
## ENSG00000165449 4.403776e+00 0.0586735118 1.18761083 4.940466e-02
## ENSG00000165457 0.000000e+00 NA NA NA
## ENSG00000165458 2.452753e+03 0.1591907730 0.13694053 1.162481e+00
## ENSG00000165462 0.000000e+00 NA NA NA
## ENSG00000165471 0.000000e+00 NA NA NA
## ENSG00000165474 2.259036e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000165475 3.751194e+02 -0.2040667015 0.17765656 -1.148658e+00
## ENSG00000165476 1.949877e+03 0.2165696241 0.22939814 9.440775e-01
## ENSG00000165478 2.225995e+00 0.2889193048 1.28866059 2.242012e-01
## ENSG00000165480 1.280853e+01 0.5377718460 0.64811313 8.297500e-01
## ENSG00000165487 7.099638e+02 -0.0238921671 0.13148707 -1.817074e-01
## ENSG00000165490 1.727229e+01 0.0396950039 0.48685735 8.153313e-02
## ENSG00000165494 1.038855e+03 0.2173979820 0.13975820 1.555529e+00
## ENSG00000165495 1.877147e+01 -2.3590649712 0.62910732 -3.749861e+00
## ENSG00000165496 0.000000e+00 NA NA NA
## ENSG00000165501 1.103032e+02 0.2911316862 0.20768022 1.401827e+00
## ENSG00000165502 1.706313e+03 -0.0855681315 0.12215134 -7.005091e-01
## ENSG00000165506 1.912723e+02 0.1564179362 0.14797433 1.057061e+00
## ENSG00000165507 1.862293e+04 1.6323433988 0.27641136 5.905486e+00
## ENSG00000165509 2.674910e+00 -0.1294382550 0.97326675 -1.329936e-01
## ENSG00000165512 4.076213e+02 0.4297206519 0.16614307 2.586449e+00
## ENSG00000165516 1.363075e+03 0.3684787654 0.15059943 2.446747e+00
## ENSG00000165521 1.523168e+02 -0.1548373930 0.20308102 -7.624415e-01
## ENSG00000165525 1.145169e+03 -0.0271031040 0.17855134 -1.517945e-01
## ENSG00000165526 4.649978e+02 0.1662725454 0.13160545 1.263417e+00
## ENSG00000165527 1.700245e+03 0.3804617710 0.15189915 2.504700e+00
## ENSG00000165533 7.217674e+02 -0.6478127430 0.13753760 -4.710077e+00
## ENSG00000165548 0.000000e+00 NA NA NA

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## ENSG00000165553 0.000000e+00 NA NA NA
## ENSG00000165555 1.237867e+01 -0.2420966618 0.56384999 -4.293636e-01
## ENSG00000165556 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000165556 2.946834e+00 0.1341560743 0.92907352 1.443977e-01
## ENSG00000165558 2.265515e+01 -0.2299254020 0.42410790 -5.421389e-01
## ENSG00000165572 3.015603e+02 -0.0802090711 0.11802211 -6.796106e-01
## ENSG00000165583 8.799775e-01 -0.2835253604 2.76823941 -1.024208e-01
## ENSG00000165584 2.126202e-01 -1.2294208936 3.52880843 -3.483955e-01
## ENSG00000165588 0.000000e+00 NA NA NA
## ENSG00000165591 4.727080e+00 -1.3831651046 1.15749244 -1.194967e+00
## ENSG00000165606 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000165609 1.208352e+03 -0.1486260503 0.17777585 -8.360306e-01
## ENSG00000165617 5.230481e+02 0.1620784786 0.20822776 7.783712e-01
## ENSG00000165621 3.018863e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000165623 0.000000e+00 NA NA NA
## ENSG00000165626 1.899090e+02 -0.1773156969 0.32313604 -5.487339e-01
## ENSG00000165629 1.287648e+03 0.2566990312 0.10769737 2.383522e+00
## ENSG00000165630 2.515464e+02 0.1193213065 0.16505546 7.229164e-01
## ENSG00000165632 3.111689e+02 -0.1811704587 0.12984165 -1.395319e+00
## ENSG00000165633 2.313221e+03 0.6175374712 0.12339721 5.004469e+00
## ENSG00000165637 2.196412e+03 0.5291819773 0.12544937 4.218291e+00
## ENSG00000165643 0.000000e+00 NA NA NA
## ENSG00000165644 7.218232e+01 1.0046771195 0.26010803 3.862538e+00
## ENSG00000165646 4.613280e+00 -0.5945629847 0.87738158 -6.776561e-01
## ENSG00000165650 1.103854e+03 0.0243919004 0.15890479 1.535001e-01
## ENSG00000165655 1.179768e+03 -0.1009634250 0.25088539 -4.024285e-01
## ENSG00000165660 4.440770e+02 0.1969402093 0.12514373 1.573712e+00
## ENSG00000165661 3.359212e+02 0.1664385799 0.10530312 1.580566e+00
## ENSG00000165669 6.148092e+02 -0.2283254295 0.11856918 -1.925673e+00
## ENSG00000165671 1.410316e+03 -0.2907083826 0.13006426 -2.235113e+00
## ENSG00000165672 1.905574e+03 0.2460342953 0.10656008 2.308879e+00
## ENSG00000165675 3.559288e+02 0.6325184443 0.17151036 3.687931e+00
## ENSG00000165678 2.503149e+03 0.0734375985 0.09648325 7.611435e-01
## ENSG00000165682 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000165684 2.875652e+02 -0.2097867014 0.13553323 -1.547862e+00
## ENSG00000165685 1.093377e+01 -0.5243597434 0.76939108 -6.815256e-01
## ENSG00000165688 7.394773e+02 0.2127365086 0.14241122 1.493818e+00
## ENSG00000165689 4.974880e+02 0.1908750787 0.15500483 1.231414e+00
## ENSG00000165694 9.151679e-01 -2.2612584748 2.68243560 -8.429870e-01
## ENSG00000165695 2.150325e+01 0.0918448232 0.41909242 2.191517e-01
## ENSG00000165698 1.558832e+02 -0.1045489400 0.17793216 -5.875775e-01
## ENSG00000165699 1.608922e+03 0.0919063074 0.13007507 7.065636e-01
## ENSG00000165702 1.094588e+00 -3.4868724215 2.37824404 -1.466154e+00
## ENSG00000165704 2.639324e+02 0.0754707052 0.19466687 3.876916e-01
## ENSG00000165714 1.647398e+02 -0.0476493925 0.19061608 -2.499757e-01
## ENSG00000165716 2.265066e+01 0.0118697321 0.50239581 2.362626e-02
## ENSG00000165724 2.073659e+02 0.0312153507 0.13602878 2.294761e-01
## ENSG00000165730 3.008554e+00 2.9631756170 1.26126139 2.349375e+00
## ENSG00000165731 1.229355e+01 -0.2300394476 0.68473373 -3.359546e-01
## ENSG00000165732 1.290425e+03 0.5223785545 0.16250624 3.214514e+00
## ENSG00000165733 9.358127e+02 0.0314525369 0.12016989 2.617339e-01
## ENSG00000165752 1.214927e+02 0.1152225951 0.20814934 5.535573e-01
## ENSG00000165757 4.060447e+03 0.1982981579 0.14288341 1.387832e+00
## ENSG00000165762 0.000000e+00 NA NA NA

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## ENSG00000165775 8.254237e+02    0.3135653053 0.10782933 2.907978e+00
## ENSG00000165782 5.257818e+02    0.2171639265 0.16886976 1.285985e+00
## ENSG00000165792 4.730093e+02    -0.1799459871 0.14499010 -1.241092e+00
## ENSG00000165794 7.459034e-01    -1.9097737393 2.26671710 -8.425285e-01
## ENSG00000165795 6.202398e+01    0.5225702961 0.39797708 1.313066e+00
## ENSG00000165799 6.029271e-01    -1.5514181783 2.06236776 -7.522510e-01
## ENSG00000165801 2.041013e+03    -0.8697370676 0.19138340 -4.544475e+00
## ENSG00000165802 1.607021e+03    0.9734059189 0.13630899 7.141172e+00
## ENSG00000165804 7.646960e+02    -0.1213932934 0.23723767 -5.116948e-01
## ENSG00000165805 5.558014e+01    0.1754761974 0.25575036 6.861230e-01
## ENSG00000165806 4.531672e+02    -0.1066436288 0.22513165 -4.736945e-01
## ENSG00000165807 1.306785e+01    -0.0286165430 0.66685179 -4.291290e-02
## ENSG00000165810 8.718978e+00    -0.2657578271 0.68291262 -3.891535e-01
## ENSG00000165813 4.876118e+02    -0.3055417045 0.15252539 -2.003219e+00
## ENSG00000165816 4.584979e+00    -1.7643608755 1.00146096 -1.761787e+00
## ENSG00000165819 7.542414e+02    0.2544410578 0.10644970 2.390247e+00
## ENSG00000165821 3.878941e+02    -0.6842020460 0.14527832 -4.709595e+00
## ENSG00000165828 1.206132e+01    -1.1456255656 0.90846864 -1.261051e+00
## ENSG00000165832 3.679911e+02    -0.1196367024 0.16049973 -7.454013e-01
## ENSG00000165837 2.317957e+00    0.9835142243 1.11962712 8.784302e-01
## ENSG00000165841 0.000000e+00    NA NA NA
## ENSG00000165861 1.098923e+03    0.1629705160 0.17164975 9.494364e-01
## ENSG00000165863 2.662820e+00    -0.7422870384 1.33110272 -5.576482e-01
## ENSG00000165868 3.804208e+02    -0.7512048575 0.35643300 -2.107563e+00
## ENSG00000165874 2.173647e+01    0.5008304736 0.59875000 8.364601e-01
## ENSG00000165879 6.565940e+01    -0.0826553315 0.28202992 -2.930729e-01
## ENSG00000165886 3.918315e+02    -0.0211726204 0.15698209 -1.348728e-01
## ENSG00000165887 1.344491e+01    0.6732592464 0.85681058 7.857737e-01
## ENSG00000165891 4.066017e+01    -1.6408980931 0.36170431 -4.536573e+00
## ENSG00000165895 1.113618e+02    -1.1703882158 0.32507405 -3.600374e+00
## ENSG00000165898 2.553673e+02    0.2521418244 0.19851298 1.270153e+00
## ENSG00000165899 2.873168e+01    1.8356674677 0.56723095 3.236191e+00
## ENSG00000165905 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000165912 4.947660e+02    -0.2093893683 0.12781551 -1.638216e+00
## ENSG00000165914 4.981953e+02    -0.2683281920 0.09999028 -2.683543e+00
## ENSG00000165915 3.075264e+03    0.6526979166 0.11485716 5.682692e+00
## ENSG00000165916 1.445196e+03    0.2077681267 0.08916338 2.330196e+00
## ENSG00000165917 1.659357e+00    -0.5292841147 1.77174174 -2.987366e-01
## ENSG00000165923 3.748345e+01    -0.0392265457 0.37761012 -1.038811e-01
## ENSG00000165929 1.730861e+01    1.0367621231 0.67025811 1.546810e+00
## ENSG00000165934 1.504319e+03    -0.0600280403 0.11264549 -5.328934e-01
## ENSG00000165935 1.859763e+00    0.7051066976 1.53265280 4.600564e-01
## ENSG00000165943 1.726436e+02    0.3736399408 0.16010268 2.333752e+00
## ENSG00000165948 8.400298e+01    0.0752940456 0.20722937 3.633367e-01
## ENSG00000165949 2.996233e+01    -0.5558468200 0.68263945 -8.142612e-01
## ENSG00000165953 0.000000e+00    NA NA NA
## ENSG00000165959 2.786834e+01    0.7919357711 0.58878400 1.345036e+00
## ENSG00000165966 2.239568e+00    -1.3229846043 1.51841578 -8.712927e-01
## ENSG00000165970 0.000000e+00    NA NA NA
## ENSG00000165972 6.176327e+00    -0.9862411185 0.79603691 -1.238939e+00
## ENSG00000165973 4.075499e-01    2.2245853956 3.15795147 7.044394e-01
## ENSG00000165983 1.798984e+02    0.1197584312 0.22357557 5.356508e-01
## ENSG00000165985 1.152164e+01    -0.0529508557 0.64214937 -8.245878e-02
## ENSG00000165995 5.131096e+02    3.0066137777 0.30589915 9.828774e+00

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## ENSG00000165996 2.906533e+02    1.0619788239 0.15555347  6.827098e+00
## ENSG00000165997 4.004557e+02   -0.2140070763 0.14705311 -1.455305e+00
## ENSG00000166002 3.801228e+01   -0.2047416450 0.43105345 -4.749797e-01
## ENSG00000166004 3.514924e+02    0.0507699637 0.12563165  4.041176e-01
## ENSG00000166006 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000166007 4.164051e-01    2.2676627718 3.48234977  6.511875e-01
## ENSG00000166012 1.176127e+03    0.1536476241 0.09741169  1.577302e+00
## ENSG00000166013 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000166016 2.514283e+02    0.2604099778 0.27903721  9.332446e-01
## ENSG00000166024 3.866421e+02    0.2794245385 0.15512097  1.801333e+00
## ENSG00000166025 2.132194e+03    0.0132010841 0.22150606  5.959694e-02
## ENSG00000166033 2.835953e+03   -0.1246568638 0.21551409 -5.784163e-01
## ENSG00000166035 3.418772e+01   -0.8433675853 0.29118684 -2.896311e+00
## ENSG00000166037 8.293128e+02   -0.3734226025 0.10803420 -3.456522e+00
## ENSG00000166046 2.919944e+02   -0.1873834868 0.17934362 -1.044829e+00
## ENSG00000166049 0.000000e+00      NA        NA        NA
## ENSG00000166068 1.176924e+03    0.3345462878 0.15912424  2.102422e+00
## ENSG00000166069 0.000000e+00      NA        NA        NA
## ENSG00000166073 4.515620e+03   -0.1925756862 0.21635713 -8.900825e-01
## ENSG00000166086 2.194013e+03    0.1908352710 0.15262124  1.250385e+00
## ENSG00000166090 0.000000e+00      NA        NA        NA
## ENSG00000166091 2.262034e+00   -0.1036616538 1.41613924 -7.320018e-02
## ENSG00000166104 0.000000e+00      NA        NA        NA
## ENSG00000166105 1.640045e+01    0.4431674154 0.54352590  8.153566e-01
## ENSG00000166106 1.470655e+03    0.5531839290 0.28196640  1.961879e+00
## ENSG00000166111 4.011210e+00    0.1917256464 0.83904688  2.285041e-01
## ENSG00000166118 0.000000e+00      NA        NA        NA
## ENSG00000166123 3.179813e+02   -0.5186286719 0.20045244 -2.587290e+00
## ENSG00000166126 1.834718e+00   -1.9991341408 1.89218087 -1.056524e+00
## ENSG00000166128 2.576304e+03   -0.0269989572 0.13920156 -1.939559e-01
## ENSG00000166130 1.235054e+03    0.1103721068 0.16846888  6.551483e-01
## ENSG00000166133 1.204176e+02   -0.1478088352 0.19047813 -7.759885e-01
## ENSG00000166135 1.777602e+03   -0.0639093039 0.16735103 -3.818877e-01
## ENSG00000166136 9.059647e+02   -0.0334686891 0.12588635 -2.658643e-01
## ENSG00000166140 3.552645e+02   -0.1128006909 0.15573042 -7.243331e-01
## ENSG00000166143 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000166145 2.412101e+00    1.4182364147 1.55538004  9.118263e-01
## ENSG00000166147 6.470126e+04    0.0284525032 0.11936980  2.383560e-01
## ENSG00000166148 6.456199e+00    0.6325626012 1.42585384  4.436378e-01
## ENSG00000166152 0.000000e+00      NA        NA        NA
## ENSG00000166153 1.402960e+01   -0.3237251677 0.61359074 -5.275914e-01
## ENSG00000166159 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000166160 0.000000e+00      NA        NA        NA
## ENSG00000166164 1.061654e+03    0.0281691694 0.11773943  2.392501e-01
## ENSG00000166165 4.754602e+02    0.7775526160 0.26728761  2.909048e+00
## ENSG00000166166 3.524723e+02    0.3627925192 0.12829389  2.827824e+00
## ENSG00000166167 5.151690e+02   -0.2623898925 0.18332143 -1.431311e+00
## ENSG00000166169 4.728857e+02   -0.0260435018 0.13705044 -1.900286e-01
## ENSG00000166170 6.885497e+02    0.2272556978 0.08851495  2.567427e+00
## ENSG00000166171 2.168396e+02   -0.4477661050 0.17433398 -2.568439e+00
## ENSG00000166173 1.148806e+03   -0.4125590741 0.12708334 -3.246366e+00
## ENSG00000166181 1.947057e+03   -0.0517705230 0.11316289 -4.574867e-01
## ENSG00000166183 2.453481e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000166188 2.626846e+02   -0.1012759632 0.18504099 -5.473164e-01

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## ENSG00000166189 3.857732e+02    0.5214140382 0.15298047 3.408370e+00
## ENSG00000166192 7.791889e+01    -0.1089165583 0.20598591 -5.287573e-01
## ENSG00000166197 1.086516e+03    0.1013988262 0.15890991 6.380900e-01
## ENSG00000166199 2.335718e+02    0.1640296548 0.16468545 9.960179e-01
## ENSG00000166200 1.782205e+03    -0.1272554429 0.08362588 -1.521723e+00
## ENSG00000166206 6.897297e+01    -0.1992191702 0.68912542 -2.890899e-01
## ENSG00000166211 0.000000e+00      NA          NA          NA
## ENSG00000166220 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000166224 7.941455e+02    -0.0958915822 0.16102949 -5.954908e-01
## ENSG00000166225 1.141998e+03    -0.1322480385 0.12806191 -1.032688e+00
## ENSG00000166226 1.599769e+03    0.1708142823 0.15416811 1.107974e+00
## ENSG00000166228 4.590114e+02    -0.0551036788 0.14801270 -3.722902e-01
## ENSG00000166233 1.917429e+03    0.0263932437 0.12828096 2.057456e-01
## ENSG00000166246 1.657552e+01    -0.0831912733 0.48584894 -1.712287e-01
## ENSG00000166250 6.694104e+03    -0.4004448407 0.20562284 -1.947473e+00
## ENSG00000166257 1.251870e+01    -0.4125613124 0.45736665 -9.020363e-01
## ENSG00000166260 9.107254e+02    0.9060913684 0.22116832 4.096841e+00
## ENSG00000166261 1.495134e+02    -0.0529671109 0.16248548 -3.259806e-01
## ENSG00000166262 4.915201e+01    -0.5619801686 0.29501277 -1.904935e+00
## ENSG00000166263 5.247544e+02    0.8781375554 0.25966873 3.381761e+00
## ENSG00000166265 1.616650e+00    -1.4202530342 1.85131339 -7.671597e-01
## ENSG00000166266 8.801038e+02    0.1079337942 0.09586024 1.125950e+00
## ENSG00000166268 0.000000e+00      NA          NA          NA
## ENSG00000166272 2.587280e+03    0.7119654349 0.14236431 5.001011e+00
## ENSG00000166275 3.990036e+02    0.0710489396 0.13001733 5.464574e-01
## ENSG00000166278 2.641048e+02    -0.3153856493 0.48809263 -6.461594e-01
## ENSG00000166289 5.709176e+02    0.6288226403 0.30165178 2.084598e+00
## ENSG00000166292 3.736361e+01    1.3376881770 0.42009381 3.184261e+00
## ENSG00000166295 9.362485e+02    0.2525029824 0.15294102 1.650983e+00
## ENSG00000166311 3.463503e+03    -0.1353002421 0.10303803 -1.313110e+00
## ENSG00000166313 1.488485e+03    0.2356439797 0.08697503 2.709329e+00
## ENSG00000166317 1.725408e+01    0.3436960701 0.55657614 6.175185e-01
## ENSG00000166321 6.047526e+01    -0.4369676048 0.34746151 -1.257600e+00
## ENSG00000166323 1.223989e+01    -0.8751474910 0.66597261 -1.314089e+00
## ENSG00000166326 2.890160e+03    0.0155559398 0.18812574 8.268906e-02
## ENSG00000166329 0.000000e+00      NA          NA          NA
## ENSG00000166333 3.504818e+03    0.2887570082 0.12991058 2.222737e+00
## ENSG00000166337 9.340701e+02    -0.1373368701 0.11624876 -1.181405e+00
## ENSG00000166340 5.992004e+03    -0.2596035102 0.07717235 -3.363944e+00
## ENSG00000166341 2.099564e+03    -0.6589342790 0.13143315 -5.013456e+00
## ENSG00000166342 4.371231e+01    -0.4383744707 1.50342793 -2.915833e-01
## ENSG00000166343 4.122272e+01    0.1864802845 0.28760202 6.483970e-01
## ENSG00000166347 1.008679e+03    0.5817576693 0.14763153 3.940606e+00
## ENSG00000166348 2.949331e+02    -0.4240530453 0.19316941 -2.195239e+00
## ENSG00000166349 3.249354e+01    0.0698143776 0.34525908 2.022087e-01
## ENSG00000166351 0.000000e+00      NA          NA          NA
## ENSG00000166352 2.374368e+02    -0.1730426942 0.18005667 -9.610458e-01
## ENSG00000166359 8.737439e+00    -0.7765111102 0.65525076 -1.185059e+00
## ENSG00000166363 0.000000e+00      NA          NA          NA
## ENSG00000166368 0.000000e+00      NA          NA          NA
## ENSG00000166377 6.586030e+02    0.0813039949 0.11757315 6.915184e-01
## ENSG00000166387 5.015020e+02    0.4149415815 0.24167757 1.716922e+00
## ENSG00000166391 0.000000e+00      NA          NA          NA
## ENSG00000166394 2.242153e+02    0.4162888709 0.18664940 2.230325e+00

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## ENSG00000166396 4.730527e+00 -0.2030615734 0.80126466 -2.534263e-01
## ENSG00000166398 8.490908e+02 0.4749199129 0.14903013 3.186738e+00
## ENSG00000166401 4.014576e+02 0.5378655408 0.14089521 3.817486e+00
## ENSG00000166402 7.092123e+02 -0.4274912410 0.15234991 -2.805983e+00
## ENSG00000166405 5.866799e+00 0.2142513357 1.26078416 1.699350e-01
## ENSG00000166407 3.679717e-01 -0.5514013405 3.29193777 -1.675005e-01
## ENSG00000166408 0.000000e+00 NA NA NA
## ENSG00000166411 4.966443e+02 0.2182858026 0.18525400 1.178305e+00
## ENSG00000166415 1.070262e+01 -0.2203223361 0.72002513 -3.059926e-01
## ENSG00000166426 2.776034e-01 1.7547236597 3.51383760 4.993753e-01
## ENSG00000166428 5.648073e+00 -1.1598033118 0.76396902 -1.518129e+00
## ENSG00000166432 8.018612e+01 -0.2644566214 0.51017105 -5.183685e-01
## ENSG00000166435 2.890634e+02 -0.2887978856 0.34269478 -8.427263e-01
## ENSG00000166436 2.501167e+02 -0.4040999675 0.28533022 -1.416254e+00
## ENSG00000166439 8.263022e+02 -0.2918898143 0.13440368 -2.171740e+00
## ENSG00000166441 1.222391e+04 -0.1087245845 0.12502250 -8.696402e-01
## ENSG00000166444 2.423901e+03 0.1270593714 0.20874243 6.086897e-01
## ENSG00000166446 1.287775e+02 0.5845564328 0.38510584 1.517911e+00
## ENSG00000166448 2.290698e+02 -0.5639573101 0.39020575 -1.445282e+00
## ENSG00000166450 6.453937e+01 -0.0501835130 0.47029262 -1.067070e-01
## ENSG00000166451 9.319635e+01 0.3413541183 0.24974680 1.366801e+00
## ENSG00000166452 5.036531e+02 0.0814138214 0.12275505 6.632218e-01
## ENSG00000166454 1.611190e+03 -0.2367937444 0.08142798 -2.908015e+00
## ENSG00000166455 2.052180e+01 -0.7826524711 0.45791350 -1.709171e+00
## ENSG00000166471 4.401778e+02 0.0281239948 0.14326393 1.963090e-01
## ENSG00000166473 1.683843e+02 -1.1006875610 0.39365384 -2.796080e+00
## ENSG00000166477 4.198329e+02 -0.0924582493 0.10932596 -8.457118e-01
## ENSG00000166478 2.676119e+02 0.1344203126 0.13663890 9.837631e-01
## ENSG00000166479 2.108613e+03 -0.3130394729 0.13012636 -2.405658e+00
## ENSG00000166482 2.741341e+04 -0.9492875251 0.09537124 -9.953604e+00
## ENSG00000166483 2.996949e+03 0.6351118669 0.26786449 2.371019e+00
## ENSG00000166484 1.065030e+03 0.7706039053 0.16942108 4.548454e+00
## ENSG00000166492 1.037949e+01 -0.3219303754 0.53634719 -6.002276e-01
## ENSG00000166501 2.361331e+00 -0.2374168089 1.25343346 -1.894132e-01
## ENSG00000166503 1.268260e+03 -0.2251208511 0.17609465 -1.278408e+00
## ENSG00000166507 5.434001e+02 -0.1199933319 0.18191473 -6.596131e-01
## ENSG00000166508 7.470421e+02 -0.4141178088 0.15833013 -2.615534e+00
## ENSG00000166509 3.291041e+00 0.4859166103 1.33752033 3.632966e-01
## ENSG00000166510 1.388926e+02 1.1900466482 0.68728269 1.731524e+00
## ENSG00000166523 3.201197e+00 0.6158945620 0.91914740 6.700716e-01
## ENSG00000166526 4.264799e+02 -0.5038279925 0.15237524 -3.306495e+00
## ENSG00000166527 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000166529 1.890652e+02 -0.0204573665 0.14304591 -1.430126e-01
## ENSG00000166530 0.000000e+00 NA NA NA
## ENSG00000166532 7.532444e+02 -0.3328455216 0.12339343 -2.697433e+00
## ENSG00000166535 6.094151e+00 -0.3784955346 0.79389483 -4.767578e-01
## ENSG00000166546 6.792201e+00 0.3811314394 0.65131478 5.851724e-01
## ENSG00000166548 1.313954e+03 0.1735191458 0.10938270 1.586349e+00
## ENSG00000166557 1.541510e+03 -0.1172683627 0.10710983 -1.094842e+00
## ENSG00000166558 0.000000e+00 NA NA NA
## ENSG00000166562 8.286752e+01 -0.2822449971 0.20895241 -1.350762e+00
## ENSG00000166569 1.794484e+00 -1.9456908881 1.46778914 -1.325593e+00
## ENSG00000166573 1.270093e+01 0.2756436279 0.48962864 5.629647e-01
## ENSG00000166575 3.612450e+02 -0.1303512813 0.13495231 -9.659062e-01

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## ENSG00000166578 2.826469e+01    0.0214087146 0.42244525 5.067808e-02
## ENSG00000166579 1.396713e+03    0.3913702173 0.11210969 3.490958e+00
## ENSG00000166582 8.931340e+01    -0.2276244441 0.25626504 -8.882384e-01
## ENSG00000166589 0.000000e+00      NA          NA          NA
## ENSG00000166592 1.061810e+02    -1.4641443992 0.34145897 -4.287907e+00
## ENSG00000166595 6.801068e+02    0.1873343865 0.10556036 1.774666e+00
## ENSG00000166596 5.734999e+00    -0.2086109545 0.76033065 -2.743687e-01
## ENSG00000166598 1.778883e+04    -0.1188153111 0.22466445 -5.288568e-01
## ENSG00000166603 0.000000e+00      NA          NA          NA
## ENSG00000166619 1.325803e+03    0.0734972339 0.15310841 4.800339e-01
## ENSG00000166634 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000166664 1.237840e+01    0.1908581295 1.09721774 1.739474e-01
## ENSG00000166669 1.607282e+01    0.3925467326 0.49341499 7.955712e-01
## ENSG00000166670 8.152392e+00    -3.1595170223 0.97933231 -3.226195e+00
## ENSG00000166676 8.256734e+00    -0.1735597317 0.61060469 -2.842424e-01
## ENSG00000166681 2.977328e+03    0.4074233369 0.11274431 3.613693e+00
## ENSG00000166682 2.721608e+00    -2.0225546494 1.34311889 -1.505864e+00
## ENSG00000166685 6.836362e+02    -0.0478495503 0.11547751 -4.143625e-01
## ENSG00000166689 8.203078e+00    -1.1346148432 0.88808888 -1.277592e+00
## ENSG00000166693 0.000000e+00      NA          NA          NA
## ENSG00000166704 1.939722e+02    -0.0098045434 0.14323384 -6.845131e-02
## ENSG00000166707 2.652539e+01    0.5452827674 0.45194873 1.206515e+00
## ENSG00000166710 2.020224e+04    -0.0991222765 0.12746071 -7.776693e-01
## ENSG00000166716 8.981535e+02    0.1114557398 0.11641665 9.573866e-01
## ENSG00000166734 3.291261e+03    0.0126272552 0.17110748 7.379721e-02
## ENSG00000166736 0.000000e+00      NA          NA          NA
## ENSG00000166741 7.542253e+03    2.2195906073 0.16673739 1.331190e+01
## ENSG00000166743 0.000000e+00      NA          NA          NA
## ENSG00000166747 2.141278e+03    0.2181973916 0.13217860 1.650777e+00
## ENSG00000166748 0.000000e+00      NA          NA          NA
## ENSG00000166750 4.825346e+03    -0.1026473737 0.13593599 -7.551155e-01
## ENSG00000166762 2.616783e+01    -0.6314948358 0.58436515 -1.080651e+00
## ENSG00000166763 1.605767e+00    0.7577474232 1.45772152 5.198163e-01
## ENSG00000166780 1.330364e+03    0.5053287096 0.17336085 2.914895e+00
## ENSG00000166783 9.592140e+02    -0.0759425291 0.20557047 -3.694233e-01
## ENSG00000166787 0.000000e+00      NA          NA          NA
## ENSG00000166788 1.094377e+02    -0.3230827995 0.22411355 -1.441603e+00
## ENSG00000166793 1.757613e+02    -1.4313722082 0.26025583 -5.499866e+00
## ENSG00000166794 7.362481e+03    0.0169659926 0.12077573 1.404752e-01
## ENSG00000166796 1.095078e+01    0.0573859892 1.15554242 4.966152e-02
## ENSG00000166797 3.690209e+02    0.1952526269 0.13374106 1.459930e+00
## ENSG00000166800 7.223610e+00    0.5072510613 0.67929163 7.467353e-01
## ENSG00000166801 8.319122e+02    0.0285074934 0.15825316 1.801385e-01
## ENSG00000166803 3.695192e+01    -0.0782281732 0.34492632 -2.267968e-01
## ENSG00000166813 3.063384e+02    0.0322305052 0.18588603 1.733885e-01
## ENSG00000166816 8.799046e+00    1.1213871370 0.59620645 1.880871e+00
## ENSG00000166819 4.917457e+00    0.4643420020 0.88364067 5.254874e-01
## ENSG00000166821 1.529411e+02    0.0835452860 0.20432264 4.088890e-01
## ENSG00000166822 1.733187e+02    0.1658435342 0.20564879 8.064406e-01
## ENSG00000166823 4.672805e+00    0.5991158373 0.99027252 6.050010e-01
## ENSG00000166825 4.259244e+03    1.0983866805 0.20008646 5.489560e+00
## ENSG00000166828 2.381487e+00    -0.7219965735 1.03302958 -6.989118e-01
## ENSG00000166831 2.944629e+01    -0.5207572103 0.38164876 -1.364493e+00
## ENSG00000166833 3.186753e+03    -0.2449419698 0.25397187 -9.644453e-01

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## ENSG00000166839 5.020272e+02 -0.1155976458 0.21756794 -5.313175e-01
## ENSG00000166840 7.249944e+00 0.1748346377 0.70105796 2.493869e-01
## ENSG00000166845 9.481193e+01 -0.3411842352 0.21317813 -1.600465e+00
## ENSG00000166847 2.072297e+03 0.0383153837 0.12709724 3.014651e-01
## ENSG00000166848 1.243854e+03 -0.1706153565 0.10690125 -1.596009e+00
## ENSG00000166851 4.489033e+01 0.0545365144 0.36499751 1.494161e-01
## ENSG00000166855 8.978030e+02 0.1364394986 0.15990952 8.532294e-01
## ENSG00000166856 3.602157e-01 -0.5489015440 3.31075132 -1.657936e-01
## ENSG00000166860 1.871504e+02 -0.2237538354 0.16676653 -1.341719e+00
## ENSG00000166862 1.002601e+00 -0.6050025366 2.22615487 -2.717702e-01
## ENSG00000166863 8.573541e+00 -0.4507819647 0.64206271 -7.020840e-01
## ENSG00000166866 6.637700e-01 2.9615653110 3.44505058 8.596580e-01
## ENSG00000166869 1.764755e+01 -0.4160976823 0.44986505 -9.249389e-01
## ENSG00000166881 5.741482e+02 -0.0418143646 0.18494886 -2.260861e-01
## ENSG00000166884 0.000000e+00 NA NA NA
## ENSG00000166886 1.113646e+03 0.0265126655 0.15321715 1.730398e-01
## ENSG00000166887 2.853153e+03 0.0579401273 0.07081352 8.182071e-01
## ENSG00000166888 6.359257e+03 0.2119638302 0.10827062 1.957723e+00
## ENSG00000166889 1.103381e+03 -0.0154918369 0.11095265 -1.396257e-01
## ENSG00000166896 5.659881e+01 -0.2956217721 0.34001779 -8.694303e-01
## ENSG00000166897 8.181282e+00 -0.6693523469 1.28550507 -5.206921e-01
## ENSG00000166900 2.850406e+02 -0.0459602992 0.15991948 -2.873965e-01
## ENSG00000166902 4.422532e+02 0.1164354903 0.13595563 8.564227e-01
## ENSG00000166908 4.006937e+02 -0.0652923373 0.14659084 -4.454053e-01
## ENSG00000166912 6.624237e+02 0.7599529745 0.20441223 3.717747e+00
## ENSG00000166913 5.388564e+03 0.1664478612 0.06053992 2.749390e+00
## ENSG00000166920 8.561997e+00 -0.7098460580 0.92747257 -7.653553e-01
## ENSG00000166922 2.960010e+02 -0.1781480785 0.42823791 -4.160026e-01
## ENSG00000166923 1.916549e+04 -0.3029154741 0.59502271 -5.090822e-01
## ENSG00000166924 2.284569e+01 -0.2755458393 0.58321479 -4.724603e-01
## ENSG00000166925 7.498057e+02 0.0834801492 0.12724519 6.560574e-01
## ENSG00000166926 0.000000e+00 NA NA NA
## ENSG00000166927 2.726858e+00 0.7051177132 1.01577117 6.941698e-01
## ENSG00000166928 0.000000e+00 NA NA NA
## ENSG00000166930 2.855509e-01 0.6955464566 3.52545350 1.972928e-01
## ENSG00000166938 6.064196e+02 -0.0344279722 0.18811394 -1.830166e-01
## ENSG00000166946 1.014256e+03 0.4397753923 0.15733040 2.795235e+00
## ENSG00000166947 1.780600e+00 -0.7748486535 1.96760820 -3.938023e-01
## ENSG00000166948 0.000000e+00 NA NA NA
## ENSG00000166949 4.913690e+03 -0.5216711447 0.09504984 -5.488396e+00
## ENSG00000166959 0.000000e+00 NA NA NA
## ENSG00000166960 7.351863e+00 -1.3260814100 1.21788873 -1.088836e+00
## ENSG00000166961 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000166963 7.139818e+03 -0.7364261598 0.17485008 -4.211758e+00
## ENSG00000166965 1.873264e+02 0.0425489483 0.22943833 1.854483e-01
## ENSG00000166971 4.459610e+02 0.0430116818 0.12767292 3.368896e-01
## ENSG00000166974 6.856231e+02 -0.6771162087 0.14697423 -4.607040e+00
## ENSG00000166979 1.318144e+02 1.3894640595 0.26077064 5.328299e+00
## ENSG00000166984 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000166986 1.704423e+03 -0.3949099773 0.09397372 -4.202345e+00
## ENSG00000166987 6.295987e+02 -0.0739484931 0.13477774 -5.486699e-01
## ENSG00000166997 5.219889e+02 -0.4801652392 0.13102414 -3.664708e+00
## ENSG00000167004 1.025302e+04 -0.1156811064 0.12261213 -9.434719e-01
## ENSG00000167005 1.859834e+03 -0.0984145374 0.15275125 -6.442798e-01

```

```

## ENSG00000167011 5.838836e-01    0.2390989551 2.52605135 9.465324e-02
## ENSG00000167014 1.918065e+00   -0.9044252822 1.40387790 -6.442336e-01
## ENSG00000167034 2.829078e+01    0.3700381861 0.35814626 1.033204e+00
## ENSG00000167037 2.672241e+00    0.3182080965 0.94979129 3.350295e-01
## ENSG00000167065 1.356728e+02    0.1083837531 0.18880653 5.740466e-01
## ENSG00000167074 4.204555e+02   -0.4931979172 0.27621660 -1.785548e+00
## ENSG00000167077 8.048884e+00   -0.2865180081 0.67818002 -4.224808e-01
## ENSG00000167080 1.431646e+02   -0.2282511490 0.16071918 -1.420186e+00
## ENSG00000167081 2.137405e+03   -0.2020255858 0.25112533 -8.044811e-01
## ENSG00000167083 4.338769e-01    0.1383204382 2.61736442 5.284722e-02
## ENSG00000167085 1.242199e+03    0.1800766055 0.09242538 1.948346e+00
## ENSG00000167088 3.456932e+02    0.1337774918 0.19366830 6.907558e-01
## ENSG00000167094 9.424591e+00    0.4119620440 0.56549066 7.285037e-01
## ENSG00000167098 0.000000e+00      NA          NA          NA
## ENSG00000167100 8.839070e+01   -0.1390734763 0.43631033 -3.187490e-01
## ENSG00000167103 1.844073e+01   -0.9188997973 0.48086331 -1.910938e+00
## ENSG00000167104 0.000000e+00      NA          NA          NA
## ENSG00000167105 1.624691e+01   -0.8551714246 0.67041985 -1.275576e+00
## ENSG00000167106 9.619849e+02   -0.9339544035 0.29533756 -3.162329e+00
## ENSG00000167107 3.902402e+02    0.0256134595 0.16493432 1.552949e-01
## ENSG00000167110 2.184189e+03   -0.1535464661 0.10775333 -1.424981e+00
## ENSG00000167112 4.076274e+02   -0.0588822590 0.16767587 -3.511672e-01
## ENSG00000167113 3.925921e+02   -0.1930581245 0.15376941 -1.255504e+00
## ENSG00000167114 3.988326e+02    0.4708994467 0.13626457 3.455773e+00
## ENSG00000167118 8.833043e+02    0.0566630338 0.17616909 3.216400e-01
## ENSG00000167123 4.066360e+03   -0.0359828982 0.14277762 -2.520206e-01
## ENSG00000167130 1.429949e+02   -0.2590370825 0.18479257 -1.401772e+00
## ENSG00000167131 2.315135e+01   -0.2832182616 0.68604861 -4.128254e-01
## ENSG00000167136 1.341722e+02    0.4645560412 0.22951753 2.024055e+00
## ENSG00000167139 3.513211e-01   -1.8532355182 3.48487585 -5.317938e-01
## ENSG00000167157 5.289502e+02   -0.1407585343 0.15847005 -8.882343e-01
## ENSG00000167165 0.000000e+00      NA          NA          NA
## ENSG00000167173 3.100082e+02    0.0087988824 0.19246167 4.571758e-02
## ENSG00000167178 6.069615e+00   -0.3935890610 1.07509591 -3.660967e-01
## ENSG00000167182 3.506415e+02   -0.0090454027 0.14262241 -6.342203e-02
## ENSG00000167183 1.291562e+00   -1.0995466259 1.83337714 -5.997384e-01
## ENSG00000167186 2.864365e+02   -0.3208901815 0.13743429 -2.334863e+00
## ENSG00000167191 3.003507e+03    1.8928874824 0.35544416 5.325415e+00
## ENSG00000167193 2.314873e+03    0.2496800934 0.09769886 2.555609e+00
## ENSG00000167194 0.000000e+00      NA          NA          NA
## ENSG00000167195 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000167196 7.071884e+02   -0.5082504851 0.22105499 -2.299204e+00
## ENSG00000167202 7.759859e+03   -0.0780295283 0.08937605 -8.730474e-01
## ENSG00000167207 1.614245e+00    1.8561413698 1.80485234 1.028417e+00
## ENSG00000167208 1.001211e+00    0.2085237718 1.54725889 1.347698e-01
## ENSG00000167210 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000167216 1.762548e+02   -0.2222308739 0.30130439 -7.375627e-01
## ENSG00000167220 3.885652e+02    0.0316848297 0.17984282 1.761807e-01
## ENSG00000167232 3.119339e+02   -0.3450415552 0.16150379 -2.136430e+00
## ENSG00000167244 7.467916e+03    0.4590778031 0.57328861 8.007796e-01
## ENSG00000167257 3.529517e+02   -0.3422544496 0.15019850 -2.278681e+00
## ENSG00000167258 1.202293e+03   -0.1578892462 0.09997381 -1.579306e+00
## ENSG00000167261 2.673075e+00    1.4879971234 1.53802699 9.674714e-01
## ENSG00000167264 1.253456e+02   -0.0558336073 0.24048237 -2.321734e-01

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## ENSG00000167272 2.268700e+02 -0.1301458946 0.18043034 -7.213083e-01
## ENSG00000167280 3.653920e+02 -0.3938886877 0.22443839 -1.754997e+00
## ENSG00000167281 6.967460e+00 -0.0409208675 0.62115194 -6.587900e-02
## ENSG00000167283 1.543514e+03 0.0129234839 0.16106279 8.023880e-02
## ENSG00000167286 0.000000e+00 NA NA NA
## ENSG00000167291 2.900935e+03 0.5036794039 0.16725102 3.011518e+00
## ENSG00000167302 3.718171e+02 0.3092850071 0.15089508 2.049669e+00
## ENSG00000167306 1.855212e+01 0.9291692562 0.49362520 1.882338e+00
## ENSG00000167311 2.517436e+01 -1.2539196451 0.60028639 -2.088869e+00
## ENSG00000167315 1.209524e+03 0.2092065380 0.12727044 1.643795e+00
## ENSG00000167323 1.433369e+03 0.3674698660 0.15794309 2.326597e+00
## ENSG00000167325 8.758234e+02 -0.2675757914 0.14163633 -1.889175e+00
## ENSG00000167332 4.241845e+00 0.4074455283 0.79260639 5.140578e-01
## ENSG00000167333 3.430637e+02 -0.3932226418 0.19415802 -2.025271e+00
## ENSG00000167346 0.000000e+00 NA NA NA
## ENSG00000167359 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000167360 0.000000e+00 NA NA NA
## ENSG00000167363 9.592809e+01 -0.1213402493 0.28348298 -4.280336e-01
## ENSG00000167371 3.109056e+02 -0.6111996380 0.32185756 -1.898976e+00
## ENSG00000167377 4.175681e+02 0.0743022338 0.13728803 5.412142e-01
## ENSG00000167378 4.707615e+02 -0.0612057880 0.15740475 -3.888433e-01
## ENSG00000167380 3.273224e+02 -0.6145709711 0.16194156 -3.795017e+00
## ENSG00000167384 1.284015e+02 -0.3757003691 0.21694347 -1.731789e+00
## ENSG00000167390 0.000000e+00 NA NA NA
## ENSG00000167393 8.964586e+01 -0.3011918872 0.29466969 -1.022134e+00
## ENSG00000167394 2.979716e+02 0.3536833923 0.16381645 2.159022e+00
## ENSG00000167395 5.849935e+02 0.1457594965 0.13266892 1.098671e+00
## ENSG00000167397 2.170895e+03 0.0337800280 0.10570041 3.195827e-01
## ENSG00000167414 6.864076e-01 -0.8652938365 2.03797890 -4.245843e-01
## ENSG00000167419 5.141307e+00 -1.3078013801 1.00465978 -1.301736e+00
## ENSG00000167434 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000167447 4.297881e+02 0.1214139438 0.11880595 1.021952e+00
## ENSG00000167460 5.068323e+04 0.7525717805 0.13160234 5.718529e+00
## ENSG00000167461 9.670253e+02 0.1717846599 0.12707929 1.351791e+00
## ENSG00000167468 5.876571e+03 -0.3526792847 0.11392471 -3.095722e+00
## ENSG00000167470 9.636199e+02 -0.2304981545 0.14686014 -1.569508e+00
## ENSG00000167476 4.943363e+00 -0.7311078185 0.93119296 -7.851303e-01
## ENSG00000167483 4.445591e+01 0.2746238138 0.26937868 1.019471e+00
## ENSG00000167487 1.459096e+02 0.1720924987 0.24186670 7.115179e-01
## ENSG00000167491 1.087943e+03 0.0970069137 0.12228005 7.933176e-01
## ENSG00000167494 0.000000e+00 NA NA NA
## ENSG00000167508 3.394220e+02 0.0865723407 0.17903802 4.835417e-01
## ENSG00000167513 2.416114e+01 -0.1678213121 0.40788334 -4.114444e-01
## ENSG00000167515 6.937711e+02 -0.2629162920 0.19021699 -1.382191e+00
## ENSG00000167522 4.431673e+03 0.0069583123 0.12407001 5.608376e-02
## ENSG00000167523 7.474882e+01 0.0266155688 0.20760961 1.282001e-01
## ENSG00000167524 5.023349e+01 0.1204003473 0.25309988 4.757029e-01
## ENSG00000167525 4.132139e+01 -0.0831829400 0.30153451 -2.758654e-01
## ENSG00000167526 1.831279e+04 0.0101748019 0.16818195 6.049878e-02
## ENSG00000167528 2.659576e+02 -0.0666919231 0.15589355 -4.278042e-01
## ENSG00000167531 0.000000e+00 NA NA NA
## ENSG00000167535 1.293354e+03 0.0170660754 0.12088170 1.411800e-01
## ENSG00000167536 7.191436e+01 0.3200409776 0.24540350 1.304142e+00
## ENSG00000167543 5.227841e+02 0.6306971772 0.19785402 3.187689e+00

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## ENSG00000167548 2.093473e+03    0.1488879365 0.15408834 9.662505e-01
## ENSG00000167549 2.012790e+03    2.3804404038 0.28708176 8.291855e+00
## ENSG00000167550 1.680230e+01    1.2511912090 0.47530221 2.632412e+00
## ENSG00000167552 8.184005e+03    -1.2711563672 0.22096750 -5.752685e+00
## ENSG00000167553 2.105892e+03    -0.4636642433 0.25355275 -1.828670e+00
## ENSG00000167554 9.772487e+01    -0.4758430802 0.27205190 -1.749089e+00
## ENSG00000167555 6.940395e+02    -0.2883820230 0.22446555 -1.284750e+00
## ENSG00000167562 1.375705e+02    -0.1697009173 0.25636217 -6.619577e-01
## ENSG00000167565 2.909729e+02    -0.1412252278 0.18385618 -7.681288e-01
## ENSG00000167566 7.167071e+02    -0.1437299092 0.10682636 -1.345454e+00
## ENSG00000167578 2.507351e+02    0.4321342225 0.17303114 2.497436e+00
## ENSG00000167580 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000167588 3.797592e+00    -0.0424915097 1.13606852 -3.740224e-02
## ENSG00000167595 1.838324e+02    0.1859795636 0.19283059 9.644713e-01
## ENSG00000167600 6.140497e+01    0.0651814165 0.42865319 1.520610e-01
## ENSG00000167601 4.741910e+03    0.1026474635 0.08485099 1.209738e+00
## ENSG00000167604 4.137585e+01    -0.0467346612 0.29167846 -1.602266e-01
## ENSG00000167608 9.239411e-01    0.2544283594 2.75077043 9.249349e-02
## ENSG00000167612 2.012406e+00    -0.5830912430 1.42463507 -4.092917e-01
## ENSG00000167613 2.836304e+00    -0.2873729572 2.03699328 -1.410770e-01
## ENSG00000167614 2.453844e+00    1.7925869814 1.62824062 1.100935e+00
## ENSG00000167615 2.345111e+03    0.2857622403 0.19931022 1.433756e+00
## ENSG00000167617 4.006895e+01    0.2561696868 0.45711838 5.604012e-01
## ENSG00000167618 0.000000e+00    NA NA NA
## ENSG00000167619 7.891571e+00    -1.2437425587 0.72171327 -1.723320e+00
## ENSG00000167625 2.555155e+02    0.1095447985 0.17718128 6.182640e-01
## ENSG00000167632 4.716545e+02    0.0119883271 0.12106196 9.902637e-02
## ENSG00000167633 0.000000e+00    NA NA NA
## ENSG00000167634 0.000000e+00    NA NA NA
## ENSG00000167635 1.078115e+03    -0.1698384775 0.15234805 -1.114806e+00
## ENSG00000167637 1.249681e+02    -0.4919235230 0.22961168 -2.142415e+00
## ENSG00000167641 2.399099e+02    2.7986121060 0.45975032 6.087243e+00
## ENSG00000167642 1.056994e+02    1.7887329144 0.56657673 3.157089e+00
## ENSG00000167644 5.045719e-01    2.5461145065 2.95177715 8.625700e-01
## ENSG00000167645 6.287680e+02    1.1276108956 0.20240673 5.571015e+00
## ENSG00000167646 4.556947e+00    -0.8325454808 0.75903312 -1.096850e+00
## ENSG00000167653 1.995863e+01    -1.6511199768 1.31186194 -1.258608e+00
## ENSG00000167654 9.132857e+00    0.9201058687 0.62472510 1.472817e+00
## ENSG00000167656 0.000000e+00    NA NA NA
## ENSG00000167657 1.332007e+03    0.3804462625 0.14727558 2.583227e+00
## ENSG00000167658 6.158565e+04    -0.0488002351 0.12723460 -3.835453e-01
## ENSG00000167664 8.296762e-01    -0.8977250156 2.79918844 -3.207090e-01
## ENSG00000167670 1.466926e+02    0.0512370061 0.20526143 2.496183e-01
## ENSG00000167671 2.762266e+03    0.0550269914 0.08812154 6.244443e-01
## ENSG00000167674 1.309444e+03    -0.0536291298 0.08549012 -6.273137e-01
## ENSG00000167676 5.644672e+01    -0.5579669314 0.46947764 -1.188485e+00
## ENSG00000167680 3.439798e+01    -1.0700883057 0.58390364 -1.832645e+00
## ENSG00000167685 4.217603e+02    -0.1550049423 0.15342424 -1.010303e+00
## ENSG00000167693 1.679980e+03    -0.0602606005 0.28573979 -2.108933e-01
## ENSG00000167695 4.436153e+02    0.0507872378 0.26869085 1.890174e-01
## ENSG00000167699 6.463415e+02    -0.1600012028 0.12241264 -1.307064e+00
## ENSG00000167700 1.218134e+02    0.0146155709 0.21089994 6.930097e-02
## ENSG00000167701 2.579364e+01    -0.1342132712 0.43833055 -3.061919e-01
## ENSG00000167702 3.762914e+02    0.7618010630 0.20738591 3.673350e+00

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## ENSG00000167703 1.044893e+02 -0.2969028230 0.35947724 -8.259294e-01
## ENSG00000167705 7.854427e+01 0.5603269499 0.22231279 2.520444e+00
## ENSG00000167711 7.291251e+00 1.2242933535 0.75645885 1.618453e+00
## ENSG00000167716 9.164717e+02 0.2793143489 0.27020944 1.033696e+00
## ENSG00000167720 3.094430e+02 -0.1740357786 0.15121616 -1.150907e+00
## ENSG00000167721 1.270749e+03 0.2469327357 0.16706430 1.478070e+00
## ENSG00000167723 4.647291e+01 0.3120519962 0.40586737 7.688521e-01
## ENSG00000167733 1.836053e+02 -0.0017849069 0.17719029 -1.007339e-02
## ENSG00000167740 5.699265e+02 -0.0840928201 0.17891055 -4.700272e-01
## ENSG00000167741 2.314155e+00 -0.0015955016 1.08768254 -1.466882e-03
## ENSG00000167747 2.669215e+02 -0.3810981391 0.23096048 -1.650058e+00
## ENSG00000167748 2.448756e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000167749 4.545497e+00 1.9689425367 1.22967545 1.601189e+00
## ENSG00000167751 1.761654e+00 0.2089973084 1.20173187 1.739134e-01
## ENSG00000167754 0.000000e+00 NA NA NA
## ENSG00000167755 0.000000e+00 NA NA NA
## ENSG00000167757 4.467538e+00 -0.5438658426 0.78793237 -6.902443e-01
## ENSG00000167759 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000167766 8.377653e+02 -0.1517480323 0.13536021 -1.121068e+00
## ENSG00000167767 1.187360e+01 0.6956678706 0.80486455 8.643291e-01
## ENSG00000167768 0.000000e+00 NA NA NA
## ENSG00000167769 7.839436e-01 2.2354104702 1.95235043 1.144984e+00
## ENSG00000167770 1.004586e+03 0.1751809654 0.08232635 2.127885e+00
## ENSG00000167771 4.597056e+01 -1.4074612701 0.31903271 -4.411652e+00
## ENSG00000167772 9.141625e+02 0.6199881720 0.62735736 9.882536e-01
## ENSG00000167774 1.372881e+01 -0.8905586692 2.76551986 -3.220222e-01
## ENSG00000167775 2.858898e+02 -0.2516457811 0.22822161 -1.102638e+00
## ENSG00000167778 7.332557e+02 0.1931253734 0.14558153 1.326579e+00
## ENSG00000167779 4.289445e+03 0.4573085664 0.45944588 9.953481e-01
## ENSG00000167780 2.771169e+00 1.4544837910 1.30728641 1.112598e+00
## ENSG00000167785 4.476610e+02 -0.0576736768 0.13639993 -4.228278e-01
## ENSG00000167791 0.000000e+00 NA NA NA
## ENSG00000167792 1.354326e+03 0.0778536776 0.13805487 5.639329e-01
## ENSG00000167797 3.170387e+02 0.8963508469 0.18682636 4.797775e+00
## ENSG00000167798 0.000000e+00 NA NA NA
## ENSG00000167799 1.872380e+01 0.1568858067 0.41530554 3.777600e-01
## ENSG00000167800 2.749668e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000167807 1.492393e+01 0.4266185864 0.56953784 7.490610e-01
## ENSG00000167815 1.163184e+03 -0.2469298341 0.12117025 -2.037875e+00
## ENSG00000167822 0.000000e+00 NA NA NA
## ENSG00000167825 0.000000e+00 NA NA NA
## ENSG00000167840 8.126108e+01 0.0749905101 0.21937652 3.418347e-01
## ENSG00000167842 2.549073e+02 -0.0880712099 0.23598037 -3.732141e-01
## ENSG00000167850 0.000000e+00 NA NA NA
## ENSG00000167851 0.000000e+00 NA NA NA
## ENSG00000167858 2.453481e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000167861 1.273551e+01 1.0052637728 0.51200480 1.963387e+00
## ENSG00000167862 2.130172e+02 0.0557693261 0.18450264 3.022684e-01
## ENSG00000167863 1.574594e+03 0.2816921381 0.12723023 2.214035e+00
## ENSG00000167874 4.335674e+00 -0.5683346715 0.83657272 -6.793608e-01
## ENSG00000167880 3.658517e+00 1.2260184301 1.88042628 6.519896e-01
## ENSG00000167881 1.301657e+03 -0.1192457257 0.11259651 -1.059053e+00
## ENSG00000167889 5.271010e+00 -0.3827260648 0.71664613 -5.340517e-01
## ENSG00000167895 5.616199e-01 -1.5539876754 2.42607194 -6.405365e-01

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## ENSG00000167900 6.998408e+01 -0.3278969265 0.23267175 -1.409268e+00
## ENSG00000167904 2.461633e+02 -0.4425712442 0.17517172 -2.526499e+00
## ENSG00000167910 5.099223e-01 -1.2212919224 3.05549218 -3.997038e-01
## ENSG00000167914 3.427136e+00 -1.4319270153 1.09543476 -1.307177e+00
## ENSG00000167916 0.000000e+00 NA NA NA
## ENSG00000167920 1.516461e+02 0.2433064104 0.26449928 9.198755e-01
## ENSG00000167925 4.021476e+02 0.4096817220 0.25203194 1.625515e+00
## ENSG00000167930 2.344948e+03 0.0917141887 0.10524963 8.713967e-01
## ENSG00000167941 1.794770e-01 1.4168819359 3.52545357 4.019006e-01
## ENSG00000167945 2.031578e+00 -0.1238705181 1.28707827 -9.624164e-02
## ENSG00000167962 7.671921e+02 0.2828162843 0.20212055 1.399246e+00
## ENSG00000167964 1.217024e+01 -0.2639898943 0.49956145 -5.284433e-01
## ENSG00000167965 5.923679e+02 -0.1759242673 0.14701825 -1.196615e+00
## ENSG00000167967 3.962695e+02 0.1533878637 0.14188460 1.081075e+00
## ENSG00000167968 9.537272e+00 -0.2875542648 0.56459781 -5.093081e-01
## ENSG00000167969 3.942270e+02 0.4924110522 0.19285496 2.553271e+00
## ENSG00000167971 4.127660e+00 0.7736844470 1.44212098 5.364907e-01
## ENSG00000167972 1.387748e+02 0.1793782333 0.52006676 3.449139e-01
## ENSG00000167977 3.424210e+02 0.0233649396 0.12568423 1.859019e-01
## ENSG00000167978 1.145211e+04 0.1814244947 0.08905878 2.037132e+00
## ENSG00000167981 7.625163e+01 -0.1762313422 0.23960462 -7.355089e-01
## ENSG00000167984 3.332718e+01 -0.1619331689 0.44946525 -3.602796e-01
## ENSG00000167985 2.178934e+02 0.6370264271 0.14201169 4.485732e+00
## ENSG00000167986 8.557790e+03 -0.0014020250 0.08484308 -1.652492e-02
## ENSG00000167987 3.376583e+02 -0.0575542654 0.11560542 -4.978509e-01
## ENSG00000167992 2.552171e+02 -1.3641262454 0.34557512 -3.947409e+00
## ENSG00000167994 9.542214e+02 0.0481432400 0.17033233 2.826430e-01
## ENSG00000167995 3.619936e+02 -0.8184125969 0.22766776 -3.594767e+00
## ENSG00000167996 1.488509e+05 0.0820072357 0.12366050 6.631643e-01
## ENSG00000168000 2.358611e+02 -0.1398485302 0.18638644 -7.503149e-01
## ENSG00000168002 5.981751e+02 0.0109239258 0.11003506 9.927678e-02
## ENSG00000168003 1.567057e+03 -0.2399732717 0.17816720 -1.346899e+00
## ENSG00000168004 3.536127e+01 0.7146020006 1.03454235 6.907421e-01
## ENSG00000168005 3.787666e+02 0.0599590670 0.13339334 4.494907e-01
## ENSG00000168010 2.326379e+02 -0.4714623035 0.21020856 -2.242831e+00
## ENSG00000168014 5.350271e+02 -0.0090341304 0.16497648 -5.476011e-02
## ENSG00000168016 1.6666000e+03 0.0457048330 0.18065849 2.529902e-01
## ENSG00000168026 9.614193e+01 0.0328192347 0.31593946 1.038782e-01
## ENSG00000168028 1.378332e+04 -0.0178663785 0.12821644 -1.393455e-01
## ENSG00000168032 6.847147e+01 0.0896064714 0.45014169 1.990628e-01
## ENSG00000168036 5.204411e+03 0.0912293436 0.07293308 1.250864e+00
## ENSG00000168038 9.290454e+01 0.3212659981 0.35499639 9.049838e-01
## ENSG00000168040 3.731000e+02 -0.0025100544 0.12592343 -1.993318e-02
## ENSG00000168056 5.481699e+03 0.0150679237 0.12778196 1.179190e-01
## ENSG00000168060 1.564682e+02 -0.0399733762 0.17479926 -2.286816e-01
## ENSG00000168061 8.361317e+01 -0.3889537264 0.30253920 -1.285631e+00
## ENSG00000168062 3.040098e+01 -0.7274724836 0.56594510 -1.285412e+00
## ENSG00000168065 2.119649e+00 0.6980230037 1.18517640 5.889613e-01
## ENSG00000168066 2.730636e+03 0.0546988449 0.12979979 4.214094e-01
## ENSG00000168067 2.500593e+02 0.2565315610 0.25197305 1.018091e+00
## ENSG00000168070 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000168071 3.433806e+01 -0.2782238089 0.38223671 -7.278835e-01
## ENSG00000168077 2.139566e+03 -0.5914390355 0.11490777 -5.147076e+00
## ENSG00000168078 2.705198e+01 -0.2373504529 0.47775063 -4.968082e-01

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## ENSG00000168079 4.043641e+02    1.6668186920 1.00366435  1.660733e+00
## ENSG00000168081 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000168090 1.358657e+03    -0.1386111579 0.13407909 -1.033801e+00
## ENSG00000168092 1.604279e+03    0.4027402938 0.12784207  3.150295e+00
## ENSG00000168096 3.157311e+02    -0.0222849308 0.13012245 -1.712612e-01
## ENSG00000168101 2.390595e+02    0.3884981036 0.15956188  2.434780e+00
## ENSG00000168116 1.874484e+02    -0.1679920701 0.22447470 -7.483786e-01
## ENSG00000168118 7.814315e+02    0.2876354087 0.16389092  1.755042e+00
## ENSG00000168122 0.000000e+00      NA        NA        NA
## ENSG00000168124 6.374453e-01    0.0558437689 2.37408389  2.352224e-02
## ENSG00000168126 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000168129 0.000000e+00      NA        NA        NA
## ENSG00000168131 0.000000e+00      NA        NA        NA
## ENSG00000168135 7.761512e-01   -0.6993596390 2.33973512 -2.989055e-01
## ENSG00000168137 2.235658e+03    -0.3353479052 0.14503079 -2.312253e+00
## ENSG00000168140 1.988898e+03    -0.2501539842 0.21489891 -1.164054e+00
## ENSG00000168143 3.352438e-01   -1.7946178462 3.31505278 -5.413542e-01
## ENSG00000168148 1.587578e+00    1.3051629496 1.64407368  7.938592e-01
## ENSG00000168152 7.683450e+01   -0.4710918550 0.34401461 -1.369395e+00
## ENSG00000168158 2.087177e+00   -1.7686551171 1.40173500 -1.261761e+00
## ENSG00000168159 1.771982e+03    -0.1393485518 0.10534776 -1.322748e+00
## ENSG00000168172 1.465394e+03    0.2072693209 0.22424499  9.242986e-01
## ENSG00000168175 1.302903e+03    0.1734464912 0.16159657  1.073330e+00
## ENSG00000168209 1.916093e+03    0.7100913839 0.33839025  2.098439e+00
## ENSG00000168214 6.002101e+03    -0.7604166647 0.14785780 -5.142892e+00
## ENSG00000168216 9.791848e+02    0.0576440991 0.12169738  4.736675e-01
## ENSG00000168228 1.842064e+02   -0.0710938094 0.14056668 -5.057657e-01
## ENSG00000168229 4.338769e-01   0.1383204382 2.61736442  5.284722e-02
## ENSG00000168234 6.003277e+02    0.8576034773 0.11363103  7.547265e+00
## ENSG00000168237 4.457210e+01    0.0291087230 0.27291798  1.066574e-01
## ENSG00000168243 2.583544e+00   -0.3128468232 1.06109125 -2.948350e-01
## ENSG00000168246 7.279052e+02   -0.1352412979 0.09080349 -1.489384e+00
## ENSG00000168255 8.222525e+02   -0.0291434018 0.26966769 -1.080715e-01
## ENSG00000168256 6.083781e+02    0.1462473196 0.10578239  1.382530e+00
## ENSG00000168259 1.181644e+03   -0.0308013518 0.10518370 -2.928339e-01
## ENSG00000168263 7.275576e-01   1.1119151531 2.03041293  5.476301e-01
## ENSG00000168264 1.513431e+03   -0.3440486699 0.16513616 -2.083424e+00
## ENSG00000168267 0.000000e+00      NA        NA        NA
## ENSG00000168268 1.126224e+03    0.1676741707 0.17828195  9.405000e-01
## ENSG00000168269 8.973850e-02   0.8946997229 3.53381154  2.531826e-01
## ENSG00000168273 7.900332e+01   -0.1473559242 0.22686935 -6.495189e-01
## ENSG00000168275 1.415563e+02    0.1072343399 0.25583627  4.191522e-01
## ENSG00000168280 3.942451e+00   0.2827012318 1.23476658  2.289512e-01
## ENSG00000168282 1.025816e+03   -0.0867388330 0.12790227 -6.781649e-01
## ENSG00000168283 1.206270e+03    0.1359568148 0.09502221  1.430790e+00
## ENSG00000168286 4.542939e+02   0.1119472055 0.12459595  8.984819e-01
## ENSG00000168288 1.493640e+03    0.0302462790 0.14680449  2.060310e-01
## ENSG00000168291 8.751640e+02    0.2911004623 0.10718151  2.715958e+00
## ENSG00000168297 1.643852e+03   -0.2833247410 0.18749492 -1.511106e+00
## ENSG00000168298 8.948005e-01   -2.3295068306 2.70373798 -8.615875e-01
## ENSG00000168300 1.839658e+03   -0.4108976932 0.13530545 -3.036815e+00
## ENSG00000168301 1.372294e+02    0.2500441504 0.17128658  1.459800e+00
## ENSG00000168303 3.535007e+02    0.6914372640 0.15171334  4.557525e+00
## ENSG00000168306 4.351003e+02   -0.3190807267 0.14807800 -2.154815e+00

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## ENSG00000168309 1.704064e+02    4.0590327023 0.65743906  6.174006e+00
## ENSG00000168310 6.866412e+02    0.2677852017 0.11573124  2.313854e+00
## ENSG00000168314 9.946847e+00    0.0093078212 0.56222303  1.655539e-02
## ENSG00000168329 1.067140e+00    -0.6337362435 2.75203444 -2.302792e-01
## ENSG00000168333 0.000000e+00      NA          NA          NA
## ENSG00000168334 1.568539e+00    -2.1653297030 2.10176838 -1.030242e+00
## ENSG00000168348 0.000000e+00      NA          NA          NA
## ENSG00000168350 1.119475e+01    -0.4855928482 1.05931334 -4.584034e-01
## ENSG00000168356 6.051548e+00    0.0616828981 0.77025573  8.008106e-02
## ENSG00000168374 5.164275e+03    0.2441967294 0.11802489  2.069027e+00
## ENSG00000168379 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000168384 4.848665e+00    -0.1407564953 1.17039050 -1.202646e-01
## ENSG00000168385 1.427276e+04    -0.0050602531 0.08556056 -5.914236e-02
## ENSG00000168386 2.143619e+03    -0.6184314111 0.23063926 -2.681380e+00
## ENSG00000168389 8.848593e+00    0.6711585107 0.67586917  9.930302e-01
## ENSG00000168393 2.180353e+02    -0.1422991943 0.24713911 -5.757858e-01
## ENSG00000168394 1.047314e+02    -0.1175730283 0.46383293 -2.534814e-01
## ENSG00000168395 3.478204e+02    0.2306931386 0.18814409  1.226151e+00
## ENSG00000168397 8.546481e+02    0.1165027735 0.12574904  9.264705e-01
## ENSG00000168398 6.175182e+03    -1.9643894887 0.31430888 -6.249869e+00
## ENSG00000168404 7.854293e+01    0.4324237705 0.26460834  1.634203e+00
## ENSG00000168405 1.343447e+02    0.5788802746 0.28861123  2.005744e+00
## ENSG00000168411 3.701223e+02    0.0438913347 0.14207977  3.089204e-01
## ENSG00000168412 4.002270e-01    1.0333888392 3.51383736  2.940913e-01
## ENSG00000168418 5.507006e+00    -0.1475601839 0.77967703 -1.892581e-01
## ENSG00000168421 1.124136e+01    0.1181768190 0.49261556  2.398966e-01
## ENSG00000168427 1.675784e+01    0.9923373987 0.75281416  1.318170e+00
## ENSG00000168434 3.531666e+02    -0.2688820021 0.12450893 -2.159540e+00
## ENSG00000168438 5.959467e+02    0.0095120316 0.10945694  8.690204e-02
## ENSG00000168439 1.626366e+03    0.0129381214 0.16081643  8.045273e-02
## ENSG00000168447 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000168452 6.114843e+01    0.0688021767 0.67479452  1.019602e-01
## ENSG00000168453 8.669830e+02    -0.4272866218 0.24565214 -1.739397e+00
## ENSG00000168454 1.551190e+00    0.3673605753 2.00400790  1.833129e-01
## ENSG00000168461 3.786761e+03    0.8564249427 0.17499008  4.894134e+00
## ENSG00000168468 1.219067e+02    0.1743096331 1.07065223  1.628070e-01
## ENSG00000168476 2.134191e+02    0.2961621198 0.20595009  1.438029e+00
## ENSG00000168477 3.872555e+03    -0.4005899055 0.74862901 -5.350980e-01
## ENSG00000168481 1.974903e+01    4.3729738307 0.91433114  4.782703e+00
## ENSG00000168484 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000168487 2.492030e+03    0.0890061223 0.07981541  1.115150e+00
## ENSG00000168488 1.735227e+03    -0.1171657705 0.11670728 -1.003929e+00
## ENSG00000168490 4.949449e+01    -0.3980854172 0.32514803 -1.224321e+00
## ENSG00000168491 1.142198e+01    -0.8771634860 0.59087966 -1.484504e+00
## ENSG00000168495 5.764882e+02    0.0630025552 0.13583057  4.638319e-01
## ENSG00000168496 1.286176e+02    0.0501172764 0.19199030  2.610407e-01
## ENSG00000168497 8.850346e+02    0.0232226536 0.25579360  9.078669e-02
## ENSG00000168502 2.186073e+03    -0.4549162754 0.19541420 -2.327959e+00
## ENSG00000168505 2.259036e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000168509 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000168515 0.000000e+00      NA          NA          NA
## ENSG00000168517 1.039159e+02    -0.2926981583 0.21349667 -1.370973e+00
## ENSG00000168522 1.289520e+03    0.1885472505 0.10521332  1.792047e+00
## ENSG00000168528 1.735755e+03    0.3344191002 0.22709243  1.472612e+00

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## ENSG00000168530	0.000000e+00	NA	NA	NA
## ENSG00000168538	1.262784e+03	0.4486007440	0.13803273	3.249959e+00
## ENSG00000168539	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000168542	8.356574e+04	-0.8432703722	0.14704296	-5.734857e+00
## ENSG00000168546	1.062906e+00	-3.4467881714	1.94089108	-1.775879e+00
## ENSG00000168556	3.752309e+02	1.1546929616	0.22286239	5.181193e+00
## ENSG00000168564	3.847403e+02	0.2536481841	0.13704734	1.850807e+00
## ENSG00000168566	3.064418e+02	0.1706608592	0.16885170	1.010714e+00
## ENSG00000168569	1.709331e+02	0.0369113107	0.16130480	2.288296e-01
## ENSG00000168575	1.191686e+03	0.3840486268	0.23663884	1.622931e+00
## ENSG00000168582	0.000000e+00	NA	NA	NA
## ENSG00000168589	6.970811e+00	0.0936962146	0.84277180	1.111763e-01
## ENSG00000168591	9.244836e+02	0.1421911426	0.10453677	1.360202e+00
## ENSG00000168594	3.708274e+00	-1.0305516990	0.90185508	-1.142702e+00
## ENSG00000168610	7.823318e+03	0.5749249726	0.10201527	5.635676e+00
## ENSG00000168612	2.293608e+02	-0.1065904087	0.12742952	-8.364656e-01
## ENSG00000168615	1.694637e+04	0.0995666080	0.10953980	9.089538e-01
## ENSG00000168619	0.000000e+00	NA	NA	NA
## ENSG00000168621	2.363515e+02	1.9457420250	0.33877873	5.743401e+00
## ENSG00000168630	0.000000e+00	NA	NA	NA
## ENSG00000168631	0.000000e+00	NA	NA	NA
## ENSG00000168634	9.163082e-01	-2.2896382442	2.17434246	-1.053026e+00
## ENSG00000168646	4.820944e+02	1.2382763161	0.21154067	5.853609e+00
## ENSG00000168653	1.254182e+03	0.0212725851	0.20491285	1.038128e-01
## ENSG00000168658	4.784800e+00	0.8124574592	1.01646649	7.992959e-01
## ENSG00000168661	5.005649e+01	-0.4371025224	0.41782492	-1.046138e+00
## ENSG00000168671	1.862932e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000168672	1.595092e+01	-1.6077691059	0.71375436	-2.252552e+00
## ENSG00000168675	4.040105e+00	-0.4894240442	0.83225050	-5.880730e-01
## ENSG00000168676	1.446142e+01	-0.9561557688	0.98940196	-9.663977e-01
## ENSG00000168679	3.580581e+02	-0.8306667208	0.34479323	-2.409174e+00
## ENSG00000168685	7.479869e+01	0.2161031798	0.39799065	5.429856e-01
## ENSG00000168701	2.844936e+02	0.3437386153	0.12846371	2.675764e+00
## ENSG00000168702	3.865977e+00	2.5092903641	1.07278662	2.339040e+00
## ENSG00000168703	1.349423e+00	-1.2531063796	1.58945448	-7.883877e-01
## ENSG00000168710	2.805423e+03	0.1108875932	0.14440016	7.679188e-01
## ENSG00000168724	1.434306e+03	0.3952887719	0.13458156	2.937169e+00
## ENSG00000168734	1.771091e+03	-0.0643711653	0.14757169	-4.362027e-01
## ENSG00000168743	3.712645e+01	-0.1825349663	0.68563107	-2.662291e-01
## ENSG00000168746	0.000000e+00	NA	NA	NA
## ENSG00000168748	5.646974e-01	-1.2203254897	2.97817824	-4.097557e-01
## ENSG00000168754	3.065471e+00	0.7892786861	1.08021178	7.306703e-01
## ENSG00000168757	0.000000e+00	NA	NA	NA
## ENSG00000168758	7.964601e+02	0.4570525551	0.19201105	2.380345e+00
## ENSG00000168763	4.259826e+02	0.1094011697	0.19088267	5.731331e-01
## ENSG00000168765	3.144614e+02	-0.1090900007	0.17799712	-6.128751e-01
## ENSG00000168769	3.712221e+02	-0.4498318559	0.14544246	-3.092851e+00
## ENSG00000168772	0.000000e+00	NA	NA	NA
## ENSG00000168778	3.202556e+02	0.0394057065	0.19781930	1.992005e-01
## ENSG00000168779	1.994844e+02	-0.1953953831	0.53592363	-3.645956e-01
## ENSG00000168781	3.264268e+02	-1.2250553377	0.29117351	-4.207304e+00
## ENSG00000168785	3.230812e+03	-0.0028132628	0.10399443	-2.705205e-02
## ENSG00000168787	0.000000e+00	NA	NA	NA
## ENSG00000168792	4.406017e+02	0.6741089453	0.16949635	3.977130e+00

```

## ENSG00000168795 2.239475e+02 -0.1060831068 0.11999075 -8.840940e-01
## ENSG00000168802 1.745131e+03 -0.0276450235 0.10855232 -2.546700e-01
## ENSG00000168803 1.994916e+02 -0.3525769655 0.18878415 -1.867619e+00
## ENSG00000168806 1.524053e+02 -0.0997353723 0.24759388 -4.028184e-01
## ENSG00000168807 2.342019e+03 0.1243725195 0.11982122 1.037984e+00
## ENSG00000168811 4.025495e+01 -1.9423069179 0.56067984 -3.464200e+00
## ENSG00000168813 4.798835e+02 -0.2507202851 0.13370738 -1.875142e+00
## ENSG00000168818 4.785329e+02 0.1080196582 0.15013666 7.194756e-01
## ENSG00000168824 2.196449e+01 0.0917694605 0.46700134 1.965079e-01
## ENSG00000168826 7.085473e+01 -0.5120627364 0.27624220 -1.853673e+00
## ENSG00000168827 7.355387e+02 0.0174301213 0.13207484 1.319716e-01
## ENSG00000168828 3.527749e-01 2.0629148141 3.49593231 5.900900e-01
## ENSG00000168830 0.000000e+00 NA NA NA
## ENSG00000168843 8.749099e+01 -1.7824463655 1.31964346 -1.350703e+00
## ENSG00000168852 4.456293e+00 -0.0739028926 0.78044976 -9.469270e-02
## ENSG00000168872 9.477662e+02 0.0206216446 0.16600911 1.242200e-01
## ENSG00000168874 5.633299e+02 0.7553260644 0.26022667 2.902570e+00
## ENSG00000168875 0.000000e+00 NA NA NA
## ENSG00000168876 2.198391e+02 0.2112548033 0.15787451 1.338119e+00
## ENSG00000168878 1.340888e+01 -0.3715169749 0.60972174 -6.093222e-01
## ENSG00000168883 1.005325e+03 0.3478559872 0.12099031 2.875073e+00
## ENSG00000168884 6.645285e+02 0.5737578986 0.14505330 3.955497e+00
## ENSG00000168887 3.641369e+02 -0.2993016756 0.16182515 -1.849537e+00
## ENSG00000168890 5.025879e+02 0.9243758435 0.15014630 6.156501e+00
## ENSG00000168894 7.467845e+02 -0.0936067869 0.11164129 -8.384602e-01
## ENSG00000168899 1.013862e+03 0.2673697274 0.20303158 1.316887e+00
## ENSG00000168903 0.000000e+00 NA NA NA
## ENSG00000168904 2.657316e+02 -0.1020852731 0.14090074 -7.245191e-01
## ENSG00000168906 4.508227e+03 0.2602987130 0.14520613 1.792615e+00
## ENSG00000168907 2.323785e+00 0.0008126040 1.12283200 7.237093e-04
## ENSG00000168913 2.488857e+00 0.3589243631 1.27190848 2.821935e-01
## ENSG00000168916 5.315905e+02 -0.1186496079 0.35345395 -3.356862e-01
## ENSG00000168917 2.525908e+02 0.8228392652 0.13044405 6.307986e+00
## ENSG00000168918 1.084098e+01 -0.6224780168 0.60200271 -1.034012e+00
## ENSG00000168924 6.412456e+02 0.3272723892 0.13001282 2.517232e+00
## ENSG00000168925 2.291699e-01 -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000168928 2.501239e+00 1.5964002203 1.22105998 1.307389e+00
## ENSG00000168930 9.716120e-01 3.4924792992 3.42623699 1.019334e+00
## ENSG00000168936 1.399358e+03 0.1829726713 0.11785717 1.552495e+00
## ENSG00000168938 1.127971e+03 -0.3141936199 0.13554305 -2.318036e+00
## ENSG00000168939 5.847582e+01 0.3182643928 0.26537238 1.199312e+00
## ENSG00000168944 4.932409e+02 -0.1299537782 0.12723162 -1.021395e+00
## ENSG00000168952 1.453248e+02 0.7401327611 0.60116335 1.231167e+00
## ENSG00000168955 5.477164e+01 1.1932926382 1.32276863 9.021174e-01
## ENSG00000168958 1.892193e+03 0.1098874300 0.18024813 6.096453e-01
## ENSG00000168959 1.838558e+00 -0.5244236642 1.50075695 -3.494394e-01
## ENSG00000168961 2.088554e+01 -1.5518278293 0.74457212 -2.084187e+00
## ENSG00000168967 1.597253e+00 -0.4828544465 1.34429574 -3.591877e-01
## ENSG00000168970 1.632142e+02 -0.4391681608 0.18637854 -2.356324e+00
## ENSG00000168992 4.439895e+00 -0.5170755596 0.87175042 -5.931463e-01
## ENSG00000168993 2.831980e+00 0.2970714587 1.09369920 2.716208e-01
## ENSG00000168994 1.583110e+03 1.4249067246 0.21667870 6.576127e+00
## ENSG00000168995 0.000000e+00 NA NA NA
## ENSG00000169006 0.000000e+00 NA NA NA

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## ENSG00000169016 2.360191e+02    0.1677238013 0.17830257 9.406696e-01
## ENSG00000169018 1.385297e+03    0.0114486022 0.10281345 1.113532e-01
## ENSG00000169019 3.452141e+02    0.2312792220 0.15180360 1.523542e+00
## ENSG00000169020 6.984174e+02    0.1244266408 0.17714569 7.023972e-01
## ENSG00000169021 7.683627e+02    0.1579575051 0.09646573 1.637447e+00
## ENSG00000169026 7.128792e+01    0.3860432495 0.21896644 1.763025e+00
## ENSG00000169031 4.687896e+01    1.5017351772 0.48996991 3.064954e+00
## ENSG00000169032 1.340822e+03    0.4369523534 0.11933927 3.661430e+00
## ENSG00000169035 1.027752e+00    -0.2723475493 1.48787065 -1.830452e-01
## ENSG00000169040 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000169045 3.914336e+03    0.2477289231 0.14772356 1.676976e+00
## ENSG00000169047 3.660653e+03    0.7435357680 0.22077600 3.367829e+00
## ENSG00000169057 1.764278e+03    0.1938899320 0.12187277 1.590921e+00
## ENSG00000169059 0.000000e+00      NA        NA        NA
## ENSG00000169062 1.103906e+03    -0.0867890587 0.12668758 -6.850637e-01
## ENSG00000169064 0.000000e+00      NA        NA        NA
## ENSG00000169067 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000169071 1.445538e+03    0.0039445284 0.14731773 2.677565e-02
## ENSG00000169075 9.861298e-01    -1.7640654691 1.82095462 -9.687586e-01
## ENSG00000169083 1.361174e+03    0.0858201418 0.27967949 3.068517e-01
## ENSG00000169084 4.719373e+02    0.0313849180 0.16775717 1.870854e-01
## ENSG00000169085 4.884522e+01    1.4459012137 0.41843400 3.455506e+00
## ENSG00000169087 1.287991e+02    0.0776780370 0.15674514 4.955690e-01
## ENSG00000169093 7.701086e+02    0.4999944143 0.10414755 4.800827e+00
## ENSG00000169100 7.125134e+03    -0.1210114895 0.22251608 -5.438325e-01
## ENSG00000169105 8.948717e+02    0.2590702948 0.18458549 1.403525e+00
## ENSG00000169116 1.679212e+01    -0.0444230633 0.60288392 -7.368427e-02
## ENSG00000169118 5.635987e+02    0.1051107483 0.17191287 6.114187e-01
## ENSG00000169122 4.367359e+02    -0.2116548233 0.16722104 -1.265719e+00
## ENSG00000169126 4.392364e+00    0.0616625351 0.83753635 7.362371e-02
## ENSG00000169129 1.051867e+01    -1.5597985985 0.74164410 -2.103163e+00
## ENSG00000169131 2.036662e+02    -0.1957334290 0.15525600 -1.260714e+00
## ENSG00000169136 1.313185e+03    -1.1501477977 0.61641577 -1.865864e+00
## ENSG00000169139 7.603975e+02    0.1088640765 0.14594937 7.459030e-01
## ENSG00000169154 0.000000e+00      NA        NA        NA
## ENSG00000169155 3.348582e+02    -0.0650844743 0.17341907 -3.753017e-01
## ENSG00000169164 0.000000e+00      NA        NA        NA
## ENSG00000169169 6.112130e+02    -0.0355094363 0.14222040 -2.496789e-01
## ENSG00000169174 3.671001e+00    -0.9821336472 0.97209589 -1.010326e+00
## ENSG00000169180 2.485853e+03    0.1942299172 0.11526932 1.685010e+00
## ENSG00000169181 3.342286e+00    -1.3486484240 0.96156760 -1.402552e+00
## ENSG00000169184 2.079482e+03    0.1408083974 0.37506604 3.754229e-01
## ENSG00000169188 2.500018e+02    -0.0692885596 0.14035060 -4.936820e-01
## ENSG00000169189 6.213145e+02    0.0954381735 0.11164444 8.548404e-01
## ENSG00000169193 1.229782e+02    0.4003770686 0.23250914 1.721984e+00
## ENSG00000169194 6.413668e-01    -0.5101410215 2.09570949 -2.434216e-01
## ENSG00000169203 2.563731e+02    -0.0450793021 0.27046677 -1.666722e-01
## ENSG00000169208 0.000000e+00      NA        NA        NA
## ENSG00000169213 3.317663e+03    0.6508457902 0.37474443 1.736772e+00
## ENSG00000169214 0.000000e+00      NA        NA        NA
## ENSG00000169217 1.069156e+03    -0.0903922115 0.12352691 -7.317613e-01
## ENSG00000169218 6.004800e+02    1.3909500455 0.28644626 4.855885e+00
## ENSG00000169220 7.601921e+01    -0.3364794354 0.26134854 -1.287474e+00
## ENSG00000169221 9.669776e+02    -0.0054503143 0.09653573 -5.645904e-02

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## ENSG00000169223 2.185375e+03    0.0638355160 0.14250703  4.479464e-01
## ENSG00000169224 5.929193e+00    0.3498572045 0.78023763  4.483983e-01
## ENSG00000169228 4.764860e+02    -0.1680852240 0.10956641 -1.534095e+00
## ENSG00000169230 9.060300e+02    0.2481964577 0.15815712  1.569303e+00
## ENSG00000169231 1.343654e+03    -0.2286486983 0.17754394 -1.287843e+00
## ENSG00000169239 3.786417e+02    0.0900756367 0.30371320  2.965812e-01
## ENSG00000169241 2.992895e+02    -0.1553327568 0.14171049 -1.096127e+00
## ENSG00000169242 1.173343e+01    0.0211980865 0.90081381  2.353215e-02
## ENSG00000169245 1.357267e+00    -2.9858102608 1.99861917 -1.493937e+00
## ENSG00000169246 3.951480e+02    0.1094687364 0.24492293  4.469518e-01
## ENSG00000169247 2.922932e+01    0.9883083305 0.56350298  1.753865e+00
## ENSG00000169248 2.587887e-01    -1.3619532296 3.52197862 -3.867012e-01
## ENSG00000169249 2.002488e+02    -0.4198226953 0.37667088 -1.114561e+00
## ENSG00000169251 8.723775e+02    -0.2256659973 0.15264990 -1.478324e+00
## ENSG00000169252 1.164736e+01    -0.7562370941 0.66201451 -1.142327e+00
## ENSG00000169253 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000169255 2.189447e+02    -0.1548347058 0.26977724 -5.739354e-01
## ENSG00000169258 8.093794e+01    -0.4794204465 0.20474634 -2.341534e+00
## ENSG00000169260 9.012196e+00    0.9037893243 1.96733598  4.593975e-01
## ENSG00000169271 8.604231e+01    2.4456194495 0.48698420  5.021969e+00
## ENSG00000169282 4.101100e+01    -0.0171093625 0.32354981 -5.288015e-02
## ENSG00000169288 1.983639e+02    -0.1730670360 0.17561255 -9.855049e-01
## ENSG00000169291 8.633488e+00    -0.5522145864 0.55667796 -9.919821e-01
## ENSG00000169297 9.127948e+00    -2.3311506198 1.16385925 -2.002949e+00
## ENSG00000169299 3.029146e+02    0.3429624072 0.15308827  2.240292e+00
## ENSG00000169302 3.565302e+01    -1.1178669373 0.67746822 -1.650065e+00
## ENSG00000169306 1.908436e+00    -0.7512017613 1.27624407 -5.886035e-01
## ENSG00000169313 3.506832e+00    -1.2586337667 0.92629848 -1.358778e+00
## ENSG00000169314 1.661361e+01    -0.4683795336 0.60578959 -7.731720e-01
## ENSG00000169325 0.000000e+00    NA      NA      NA
## ENSG00000169327 0.000000e+00    NA      NA      NA
## ENSG00000169330 4.305017e+01    -0.2584669287 0.35190995 -7.344689e-01
## ENSG00000169340 8.585227e-01    1.4107602469 2.33464039  6.042730e-01
## ENSG00000169344 0.000000e+00    NA      NA      NA
## ENSG00000169347 1.864722e+00    -0.7449796498 1.26809908 -5.874775e-01
## ENSG00000169359 8.895651e+02    0.3862888517 0.10551538  3.660972e+00
## ENSG00000169371 4.965120e+02    -0.0072178479 0.16470326 -4.382335e-02
## ENSG00000169372 1.549745e+02    -0.0808697100 0.19209267 -4.209932e-01
## ENSG00000169375 1.241265e+03    -0.1124865029 0.12301882 -9.143845e-01
## ENSG00000169379 2.072322e+02    0.4586415645 0.14321352  3.202502e+00
## ENSG00000169385 0.000000e+00    NA      NA      NA
## ENSG00000169393 0.000000e+00    NA      NA      NA
## ENSG00000169397 0.000000e+00    NA      NA      NA
## ENSG00000169398 1.946665e+03    0.1689845926 0.11010280  1.534789e+00
## ENSG00000169402 4.878554e+00    -0.3133391301 0.74770520 -4.190677e-01
## ENSG00000169403 5.827927e+00    0.2505164017 0.75119779  3.334893e-01
## ENSG00000169410 1.124720e+03    0.3560499429 0.09360267  3.803844e+00
## ENSG00000169413 0.000000e+00    NA      NA      NA
## ENSG00000169418 8.733008e+01    0.6564005359 0.61899790  1.060424e+00
## ENSG00000169427 2.630364e-01    1.7010395714 3.51732531  4.836174e-01
## ENSG00000169429 1.320026e+01    -0.1203405416 0.86321025 -1.394105e-01
## ENSG00000169432 2.527461e+03    -0.1210496879 0.30138330 -4.016470e-01
## ENSG00000169435 6.144672e+00    -0.2961101766 0.86046942 -3.441263e-01
## ENSG00000169436 9.646164e-01    0.3680030745 3.38898200  1.085881e-01

```

## ENSG00000169439	1.484013e+03	0.2732677784	0.26557060	1.028984e+00
## ENSG00000169442	4.290047e-01	-0.5512701034	3.16300717	-1.742867e-01
## ENSG00000169446	7.530823e+02	0.4658466804	0.16119271	2.889998e+00
## ENSG00000169469	0.000000e+00	NA	NA	NA
## ENSG00000169474	0.000000e+00	NA	NA	NA
## ENSG00000169484	0.000000e+00	NA	NA	NA
## ENSG00000169488	0.000000e+00	NA	NA	NA
## ENSG00000169490	1.054052e+03	0.0250835379	0.18107707	1.385241e-01
## ENSG00000169495	2.176059e+01	0.3119561958	0.49206509	6.339734e-01
## ENSG00000169499	1.089163e+03	0.2527398216	0.14743014	1.714302e+00
## ENSG00000169504	1.754190e+04	0.7906187448	0.16190906	4.883104e+00
## ENSG00000169507	4.926885e+01	0.1879690595	0.84978263	2.211966e-01
## ENSG00000169508	1.315182e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000169509	0.000000e+00	NA	NA	NA
## ENSG00000169515	3.274453e+02	-0.6115454362	0.50819698	-1.203363e+00
## ENSG00000169519	3.144056e+02	-0.3457068103	0.17187818	-2.011348e+00
## ENSG00000169548	0.000000e+00	NA	NA	NA
## ENSG00000169550	4.662896e-01	-1.0728814907	3.09668220	-3.464616e-01
## ENSG00000169551	1.013266e+00	0.2213072180	2.78148853	7.956431e-02
## ENSG00000169554	3.572978e+03	-0.4298288138	0.16210099	-2.651611e+00
## ENSG00000169562	0.000000e+00	NA	NA	NA
## ENSG00000169564	3.313746e+03	0.0455622893	0.09428762	4.832266e-01
## ENSG00000169567	1.590082e+03	0.2292125922	0.17098232	1.340563e+00
## ENSG00000169570	1.092972e+02	0.1531902127	0.23259742	6.586067e-01
## ENSG00000169575	0.000000e+00	NA	NA	NA
## ENSG00000169583	3.953518e+01	0.2944199783	0.52347791	5.624306e-01
## ENSG00000169592	6.699267e+02	0.0465023667	0.11011106	4.223224e-01
## ENSG00000169594	2.162865e+02	0.1398509178	0.31638459	4.420282e-01
## ENSG00000169598	8.720232e+01	-0.1578648100	0.24435937	-6.460354e-01
## ENSG00000169599	3.973017e+02	-0.0466907418	0.12938439	-3.608684e-01
## ENSG00000169604	1.468513e+04	0.0766206420	0.24989313	3.066136e-01
## ENSG00000169605	0.000000e+00	NA	NA	NA
## ENSG00000169607	1.936636e+01	-0.2949010569	0.57586786	-5.120985e-01
## ENSG00000169609	5.127958e+02	-0.1169348280	0.15619522	-7.486454e-01
## ENSG00000169612	2.955347e+02	0.3726261928	0.17796822	2.093779e+00
## ENSG00000169618	2.587887e-01	-1.3619532296	3.52197862	-3.867012e-01
## ENSG00000169621	1.297532e+02	-0.0569230387	0.23010784	-2.473755e-01
## ENSG00000169627	1.316986e+02	0.2514211311	0.26794507	9.383309e-01
## ENSG00000169629	1.605959e+02	-0.4267441029	0.27528123	-1.550211e+00
## ENSG00000169635	1.015624e+02	0.2502319872	0.21777027	1.149064e+00
## ENSG00000169641	1.514938e+03	-0.0619168064	0.17868257	-3.465184e-01
## ENSG00000169660	2.056184e+02	-0.1040875199	0.14638337	-7.110611e-01
## ENSG00000169662	1.226236e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000169668	1.787430e+01	1.0043424471	0.49051491	2.047527e+00
## ENSG00000169676	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000169679	4.608944e+01	-0.0387772043	0.31832489	-1.218164e-01
## ENSG00000169682	9.460406e+02	-0.1609485180	0.11992148	-1.342116e+00
## ENSG00000169683	1.847270e+02	0.2106244561	0.14634296	1.439252e+00
## ENSG00000169684	8.767768e+00	-0.1033497282	0.87274606	-1.184190e-01
## ENSG00000169688	1.315182e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000169689	1.963784e+02	0.5062708984	0.17793784	2.845212e+00
## ENSG00000169692	6.056710e+02	0.6454662771	0.11796512	5.471671e+00
## ENSG00000169696	2.816089e+02	0.0074708585	0.19252289	3.880504e-02
## ENSG00000169704	0.000000e+00	NA	NA	NA

```

## ENSG00000169710 1.611113e+03 0.3805647411 0.25698767 1.480868e+00
## ENSG00000169714 3.623294e+03 0.2438321851 0.10776274 2.262676e+00
## ENSG00000169715 5.537025e+02 2.1621550112 0.23580951 9.169075e+00
## ENSG00000169717 0.000000e+00 NA NA NA
## ENSG00000169718 5.840251e+02 0.1915680223 0.14762590 1.297659e+00
## ENSG00000169727 1.462361e+03 0.1389668115 0.07690990 1.806878e+00
## ENSG00000169733 7.975608e+02 0.1389990622 0.12929350 1.075066e+00
## ENSG00000169738 6.020498e+02 1.9604050839 0.23019575 8.516252e+00
## ENSG00000169740 3.911972e+02 -0.1503936823 0.14131529 -1.064242e+00
## ENSG00000169744 7.230140e+02 -1.3306063198 0.17868876 -7.446503e+00
## ENSG00000169750 7.310092e+01 1.3684532686 0.24269760 5.638512e+00
## ENSG00000169752 1.002105e+01 -2.1177878928 1.01847607 -2.079369e+00
## ENSG00000169756 1.678688e+03 -0.2976112287 0.19764304 -1.505802e+00
## ENSG00000169758 3.134609e+01 0.4684908110 0.38093404 1.229848e+00
## ENSG00000169760 6.580315e+01 0.2628161325 0.73923288 3.555255e-01
## ENSG00000169762 3.013242e+02 -0.0966043722 0.16529616 -5.844320e-01
## ENSG00000169763 0.000000e+00 NA NA NA
## ENSG00000169764 3.269005e+03 0.9247224859 0.17654492 5.237888e+00
## ENSG00000169777 1.184867e+00 -0.0705331848 1.62772386 -4.333240e-02
## ENSG00000169783 7.742402e-01 -2.1012639304 1.94658904 -1.079459e+00
## ENSG00000169789 0.000000e+00 NA NA NA
## ENSG00000169800 0.000000e+00 NA NA NA
## ENSG00000169807 0.000000e+00 NA NA NA
## ENSG00000169811 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000169813 2.884857e+03 0.2684178764 0.15643974 1.715791e+00
## ENSG00000169814 3.240084e+02 -0.1356193504 0.14558742 -9.315321e-01
## ENSG00000169826 1.385391e+03 0.2825343463 0.11828368 2.388616e+00
## ENSG00000169836 1.215516e+00 -0.4818735840 1.46880437 -3.280720e-01
## ENSG00000169840 0.000000e+00 NA NA NA
## ENSG00000169849 0.000000e+00 NA NA NA
## ENSG00000169851 3.146253e+02 0.6165778448 1.38624603 4.447824e-01
## ENSG00000169855 1.8233349e+03 -1.2692692080 0.25736984 -4.931694e+00
## ENSG00000169856 6.440033e-01 0.7788120777 2.11394124 3.684171e-01
## ENSG00000169857 2.790417e+02 0.6642973955 0.21725005 3.057755e+00
## ENSG00000169860 2.275267e+02 -0.2493051942 0.52061467 -4.788670e-01
## ENSG00000169862 2.452472e-01 -1.3524091010 3.52264096 -3.839191e-01
## ENSG00000169871 2.810084e+03 0.2423983616 0.13590352 1.783606e+00
## ENSG00000169876 4.084326e-01 -1.0125889833 3.19727837 -3.167034e-01
## ENSG00000169877 0.000000e+00 NA NA NA
## ENSG00000169884 1.514026e+00 -3.1473869312 1.96121521 -1.604815e+00
## ENSG00000169885 1.679270e+01 0.1319792716 0.55989678 2.357207e-01
## ENSG00000169891 1.626263e+02 0.3352252112 0.37589787 8.917987e-01
## ENSG00000169894 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000169895 1.183650e+03 0.1100064281 0.14432888 7.621928e-01
## ENSG00000169896 0.000000e+00 NA NA NA
## ENSG00000169900 0.000000e+00 NA NA NA
## ENSG00000169902 1.960491e+03 -0.5191919769 0.14087020 -3.685605e+00
## ENSG00000169903 4.252405e-01 -2.1424223237 3.46667781 -6.180045e-01
## ENSG00000169905 1.614226e+03 0.2557476432 0.15026696 1.701955e+00
## ENSG00000169906 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000169908 9.647861e+02 1.1860864844 0.21657315 5.476609e+00
## ENSG00000169914 1.776751e+02 -0.1819290670 0.28391377 -6.407899e-01
## ENSG00000169918 1.857492e+01 -0.1349192348 0.55969232 -2.410596e-01
## ENSG00000169919 7.954199e+02 0.1485841100 0.11684991 1.271581e+00

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## ENSG00000169925 9.497127e+02    0.0668561612 0.17535813  3.812550e-01
## ENSG00000169926 6.086074e+02    1.2160955420 1.04962354  1.158602e+00
## ENSG00000169933 5.349113e+01    0.7390132717 0.63716582  1.159845e+00
## ENSG00000169946 5.097532e+02    -0.6037207575 0.21073156 -2.864881e+00
## ENSG00000169951 9.529493e+01    -0.0897306278 0.18525916 -4.843519e-01
## ENSG00000169953 2.913689e+00    -0.6427310858 1.23317694 -5.211994e-01
## ENSG00000169955 1.887722e+02    -0.0637854287 0.18962955 -3.363686e-01
## ENSG00000169957 4.471513e+02    -0.0843033551 0.12536292 -6.724744e-01
## ENSG00000169962 8.636314e+00    -0.1460023255 0.56958587 -2.563307e-01
## ENSG00000169964 1.965133e+02    0.1464212923 0.18046054  8.113757e-01
## ENSG00000169967 1.196848e+03    -0.0360196267 0.19372286 -1.859338e-01
## ENSG00000169972 1.941681e+02    -0.0790060271 0.17556552 -4.500088e-01
## ENSG00000169976 9.198519e+02    -0.0677688736 0.12385876 -5.471464e-01
## ENSG00000169981 5.714517e+01    0.2664649369 0.24695787  1.078989e+00
## ENSG00000169989 2.604471e+00    -0.5938865769 1.20793774 -4.916533e-01
## ENSG00000169991 1.847462e+02    -0.3935745631 0.25916276 -1.518639e+00
## ENSG00000169992 2.026865e+03    -0.1353276871 0.11010397 -1.229090e+00
## ENSG00000169994 1.554212e+01    -0.0055708422 1.50531140 -3.700791e-03
## ENSG00000170004 8.777932e+03    -0.1431623109 0.08791414 -1.628433e+00
## ENSG00000170006 7.617313e+01    0.1839394244 0.65314823  2.816197e-01
## ENSG00000170011 7.366025e+00    1.1139785181 0.82411799  1.351722e+00
## ENSG00000170017 6.207174e+03    0.8390803879 0.30511711  2.750027e+00
## ENSG00000170027 3.101962e+03    0.1934579644 0.09498106  2.036806e+00
## ENSG00000170035 1.519607e+03    -0.4571587229 0.09903577 -4.616097e+00
## ENSG00000170037 5.380363e+02    -0.2395376437 0.15901264 -1.506406e+00
## ENSG00000170043 1.404876e+03    0.2220119655 0.13161902  1.686777e+00
## ENSG00000170044 9.024920e-01    -0.7818826196 1.88877674 -4.139624e-01
## ENSG00000170049 2.947464e+01    -0.1408711283 0.40509465 -3.477487e-01
## ENSG00000170054 0.000000e+00      NA          NA          NA
## ENSG00000170074 2.425159e+00    1.0355140301 2.09791691  4.935915e-01
## ENSG00000170075 3.526638e+00    -0.5439118467 0.83902775 -6.482644e-01
## ENSG00000170085 2.530227e+02    0.5557211446 0.17614362  3.154932e+00
## ENSG00000170088 5.777144e+02    0.2650177577 0.18315501  1.446959e+00
## ENSG00000170089 4.358362e+01    -0.1291752843 0.48537506 -2.661350e-01
## ENSG00000170091 1.962848e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000170092 1.022088e+01    -0.8219346512 0.72418346 -1.134981e+00
## ENSG00000170099 0.000000e+00      NA          NA          NA
## ENSG00000170100 1.587111e+02    -0.0289095623 0.20771302 -1.391803e-01
## ENSG00000170113 3.457755e+02    0.2198280378 0.10441205  2.105390e+00
## ENSG00000170122 4.346081e+00    -0.6578896998 0.82262612 -7.997433e-01
## ENSG00000170128 0.000000e+00      NA          NA          NA
## ENSG00000170142 1.532906e+03    -0.2228183080 0.09958014 -2.237578e+00
## ENSG00000170144 4.020441e+03    0.1807638195 0.21277960  8.495355e-01
## ENSG00000170145 3.273005e+03    0.2226682220 0.15272296  1.457988e+00
## ENSG00000170152 0.000000e+00      NA          NA          NA
## ENSG00000170153 2.838129e+02    -0.2273798747 0.51562327 -4.409806e-01
## ENSG00000170160 4.312050e+02    -0.0499220573 1.00476877 -4.968512e-02
## ENSG00000170162 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000170165 3.441384e-01    -0.5086481446 3.35219545 -1.517358e-01
## ENSG00000170166 7.816394e-01    -0.7880522630 2.86561804 -2.750025e-01
## ENSG00000170175 1.095343e+02    0.1998903799 0.28975920  6.898500e-01
## ENSG00000170178 0.000000e+00      NA          NA          NA
## ENSG00000170180 1.383161e+00    0.1322688793 2.05311182  6.442361e-02
## ENSG00000170185 5.363089e+02    0.1264752579 0.10948523  1.155181e+00

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## ENSG00000170190 1.977166e+02    0.1280136394 0.25418275 5.036284e-01
## ENSG00000170191 1.916802e+02   -0.2673756126 0.16750490 -1.596226e+00
## ENSG00000170209 1.413232e+00   -0.3954050634 1.84832668 -2.139260e-01
## ENSG00000170214 2.017510e+02    3.6767974467 0.49220168 7.470103e+00
## ENSG00000170222 1.562218e+02    0.2257795592 0.18011894 1.253503e+00
## ENSG00000170231 3.945545e-01    2.1990168352 3.48706939 6.306203e-01
## ENSG00000170234 2.918400e+02   -0.1572508481 0.20081916 -7.830471e-01
## ENSG00000170236 3.039099e+00    0.5195110409 1.12844790 4.603766e-01
## ENSG00000170242 2.897626e+03    0.5326922876 0.14298112 3.725613e+00
## ENSG00000170248 4.872014e+03    0.0760706943 0.12472618 6.099016e-01
## ENSG00000170255 0.000000e+00      NA          NA          NA
## ENSG00000170260 1.845945e+02    0.0662006767 0.14949174 4.428384e-01
## ENSG00000170262 5.318375e+00    0.0356875061 1.22878686 2.904288e-02
## ENSG00000170264 9.088227e+01    0.1164416960 0.28728312 4.053204e-01
## ENSG00000170265 5.426514e+02    0.1719093331 0.09609698 1.788915e+00
## ENSG00000170266 2.144724e+03   -0.0206572916 0.09275995 -2.226962e-01
## ENSG00000170270 3.778087e+01    0.1247854792 0.29849352 4.180509e-01
## ENSG00000170271 2.116082e+03    0.2514681930 0.25261927 9.954434e-01
## ENSG00000170275 8.254157e+03   -0.0396806194 0.09930639 -3.995777e-01
## ENSG00000170276 1.452581e+02    0.5598339597 0.29394882 1.904529e+00
## ENSG00000170279 0.000000e+00      NA          NA          NA
## ENSG00000170289 3.918391e-01    1.0649639057 3.51183976 3.032496e-01
## ENSG00000170290 1.794770e-01    1.4168819359 3.52545357 4.019006e-01
## ENSG00000170291 3.909563e+02    0.1288495126 0.15334218 8.402744e-01
## ENSG00000170293 1.298333e+01    0.0832195612 0.48618027 1.711702e-01
## ENSG00000170296 4.886300e+03   -0.1878048037 0.10646290 -1.764040e+00
## ENSG00000170298 0.000000e+00      NA          NA          NA
## ENSG00000170310 4.894790e+02    0.0724167992 0.09677226 7.483219e-01
## ENSG00000170312 5.624244e+01   -0.4362639750 0.26027532 -1.676163e+00
## ENSG00000170315 8.839947e+03   -0.4132119722 0.07430077 -5.561342e+00
## ENSG00000170322 5.544779e+02    0.0000365426 0.12116732 3.015879e-04
## ENSG00000170323 9.635846e+00    3.0119974329 1.15740815 2.602364e+00
## ENSG00000170324 4.515439e+00    0.5487327796 1.27108637 4.317038e-01
## ENSG00000170325 2.290963e+02   -0.3004905600 0.17786574 -1.689423e+00
## ENSG00000170340 2.356214e+02    0.2655242572 0.20997696 1.264540e+00
## ENSG00000170345 5.845658e+01    0.3635709347 0.31277658 1.162398e+00
## ENSG00000170348 5.897727e+03    0.0258012316 0.12069276 2.137761e-01
## ENSG00000170356 9.415533e+01    0.1523704140 0.53733261 2.835682e-01
## ENSG00000170364 5.106532e+02    0.4422453955 0.17080847 2.589130e+00
## ENSG00000170365 4.405675e+02   -1.0100099496 0.14287229 -7.069320e+00
## ENSG00000170367 0.000000e+00      NA          NA          NA
## ENSG00000170369 0.000000e+00      NA          NA          NA
## ENSG00000170370 2.961824e+00    0.1399509860 1.52473590 9.178703e-02
## ENSG00000170373 1.463621e+00    1.1440339329 2.15983573 5.296856e-01
## ENSG00000170374 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000170379 2.064880e+02    0.5434636549 0.30740416 1.767912e+00
## ENSG00000170381 1.682308e+02    0.1670474364 0.44165028 3.782346e-01
## ENSG00000170382 4.112616e+00   -0.1375545419 0.84022532 -1.637115e-01
## ENSG00000170385 1.413126e+03    0.2497138604 0.16685757 1.496569e+00
## ENSG00000170390 2.021305e+02    0.5245992916 0.26642446 1.969036e+00
## ENSG00000170396 1.192446e+02   -0.0090891242 0.30050026 -3.024664e-02
## ENSG00000170409 2.291699e-01   -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000170412 2.674338e+01   -0.8249061659 0.89043062 -9.264126e-01
## ENSG00000170417 1.721016e+02   -0.2633308494 0.15881184 -1.658131e+00

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## ENSG00000170419 3.916248e-01    0.0159541356 3.52052784 4.531745e-03
## ENSG00000170421 6.031559e+01    0.1760413680 0.56897457 3.094011e-01
## ENSG00000170423 0.000000e+00      NA          NA          NA
## ENSG00000170425 9.307120e+01   -0.4680477304 0.38149990 -1.226862e+00
## ENSG00000170426 6.416249e-01   -1.5126945711 2.34867174 -6.440639e-01
## ENSG00000170430 3.009312e+02   -0.0007504404 0.20070794 -3.738967e-03
## ENSG00000170439 1.714023e+01   -1.2947469197 0.60624744 -2.135674e+00
## ENSG00000170442 2.677605e+00    0.9803395459 1.42268051 6.890792e-01
## ENSG00000170445 1.024554e+03    0.0552558291 0.09782481 5.648447e-01
## ENSG00000170448 2.080409e+02    0.0349378820 0.19111995 1.828060e-01
## ENSG00000170454 0.000000e+00      NA          NA          NA
## ENSG00000170456 4.593049e+02   -0.4121778970 0.15018070 -2.744546e+00
## ENSG00000170458 2.401798e+01    0.9244937475 0.58090688 1.591466e+00
## ENSG00000170464 4.782022e+02   -0.1548365375 0.12043831 -1.285609e+00
## ENSG00000170465 0.000000e+00      NA          NA          NA
## ENSG00000170468 1.849372e+02    0.0680676205 0.17463027 3.897813e-01
## ENSG00000170469 2.532132e+01   -0.0857093749 0.32810696 -2.612239e-01
## ENSG00000170471 1.964684e+03   -0.0277854942 0.09491834 -2.927305e-01
## ENSG00000170473 2.386654e+02    0.0142017945 0.14909859 9.525103e-02
## ENSG00000170476 2.912790e+00    0.1609125271 1.06226638 1.514804e-01
## ENSG00000170477 2.790559e+00    1.7105860460 1.95017858 8.771433e-01
## ENSG00000170482 8.544167e+00   -0.0611705848 0.62047671 -9.858643e-02
## ENSG00000170484 0.000000e+00      NA          NA          NA
## ENSG00000170485 3.708515e+02    0.9961737503 0.26780460 3.719778e+00
## ENSG00000170486 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000170498 2.177881e+00    0.1875477196 1.08480667 1.728858e-01
## ENSG00000170500 3.715732e+00   -0.3371439319 0.92923373 -3.628193e-01
## ENSG00000170502 5.736910e+02    0.1911042654 0.14195275 1.346253e+00
## ENSG00000170509 1.245630e+01   -0.0913384723 0.53693841 -1.701098e-01
## ENSG00000170515 1.505832e+03    0.1287918779 0.10819499 1.190368e+00
## ENSG00000170516 0.000000e+00      NA          NA          NA
## ENSG00000170522 2.265189e+02    0.6471275680 0.28376125 2.280535e+00
## ENSG00000170523 0.000000e+00      NA          NA          NA
## ENSG00000170525 2.690275e+03    0.3814705326 0.26647099 1.431565e+00
## ENSG00000170537 2.503379e+01   -0.6614292589 0.45883413 -1.441543e+00
## ENSG00000170540 1.518378e+03    0.2585054245 0.13159997 1.964327e+00
## ENSG00000170542 1.923895e+02    0.7003339225 0.19485966 3.594043e+00
## ENSG00000170545 1.983548e+02   -0.0607655715 0.17357151 -3.500895e-01
## ENSG00000170549 0.000000e+00      NA          NA          NA
## ENSG00000170558 3.414095e+02   -0.2370255576 0.49202593 -4.817339e-01
## ENSG00000170561 5.460909e+01    0.1540840506 0.72280752 2.131744e-01
## ENSG00000170571 2.307249e+02    0.1392286222 1.10758807 1.257043e-01
## ENSG00000170577 3.486124e+00   -0.2888340855 1.39387976 -2.072159e-01
## ENSG00000170579 1.573744e+01   -0.0743983532 0.67581484 -1.100869e-01
## ENSG00000170581 7.478216e+03    0.1917944905 0.07715362 2.485878e+00
## ENSG00000170584 5.085583e+02    1.0050297861 0.21743813 4.622141e+00
## ENSG00000170604 3.087730e+02   -0.3012313149 0.16244469 -1.854362e+00
## ENSG00000170605 0.000000e+00      NA          NA          NA
## ENSG00000170606 3.188837e+03    0.0459383243 0.16439596 2.794371e-01
## ENSG00000170608 4.247242e-01   -0.1088903092 3.51425582 -3.098531e-02
## ENSG00000170613 0.000000e+00      NA          NA          NA
## ENSG00000170615 1.833404e+00   -0.2767437715 1.37138967 -2.017981e-01
## ENSG00000170619 2.675920e+02    0.2238100687 0.15264764 1.466188e+00
## ENSG00000170624 2.127495e+03   -1.1838148758 0.23754563 -4.983526e+00

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## ENSG00000170627 8.418599e-01    0.5873536440 2.30183699  2.551673e-01
## ENSG00000170629 9.515503e+01   -0.4543674010 0.21011706 -2.162449e+00
## ENSG00000170631 1.447552e+02   -0.2513744803 0.14865743 -1.690965e+00
## ENSG00000170632 4.273571e+02   -0.1802734032 0.19911720 -9.053633e-01
## ENSG00000170633 4.378427e+02    0.2053814596 0.16732583  1.227434e+00
## ENSG00000170634 1.525894e+02    0.1569734573 0.20846063  7.530125e-01
## ENSG00000170638 4.143579e+02    0.2863637255 0.19097392  1.499491e+00
## ENSG00000170647 2.932530e+01   -1.0469361018 0.39857874 -2.626673e+00
## ENSG00000170653 1.291589e+03   -0.1069247416 0.11655197 -9.173997e-01
## ENSG00000170667 1.821736e+02   -0.3951963420 0.24609378 -1.605877e+00
## ENSG00000170677 5.410996e+02    0.1425058277 0.13385269  1.064647e+00
## ENSG00000170681 5.087831e+01    0.4014093434 0.41048737  9.778848e-01
## ENSG00000170683 0.000000e+00      NA        NA        NA
## ENSG00000170684 5.578979e+00    0.9640678508 0.71022057  1.357420e+00
## ENSG00000170688 0.000000e+00      NA        NA        NA
## ENSG00000170689 3.810407e-01   -0.5488711103 3.26259460 -1.682315e-01
## ENSG00000170703 9.845382e+00    0.7640866671 0.66510442  1.148822e+00
## ENSG00000170734 7.949649e+02   -0.3708688903 0.14040202 -2.641478e+00
## ENSG00000170743 1.694469e+00    0.1648806909 1.31501115  1.253835e-01
## ENSG00000170745 8.258807e+01    1.0492995888 0.32103780  3.268461e+00
## ENSG00000170748 2.427115e-01   -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000170759 4.490453e+03    0.5540707882 0.13107229  4.227215e+00
## ENSG00000170775 2.150005e+02    1.5108741585 0.55374328  2.728474e+00
## ENSG00000170776 2.917057e+03    0.5560551859 0.13098841  4.245072e+00
## ENSG00000170777 0.000000e+00      NA        NA        NA
## ENSG00000170779 9.335788e+01   -0.1615541148 0.23256217 -6.946707e-01
## ENSG00000170782 0.000000e+00      NA        NA        NA
## ENSG00000170786 0.000000e+00      NA        NA        NA
## ENSG00000170788 8.661428e-01   -0.6878108464 1.88483938 -3.649175e-01
## ENSG00000170790 0.000000e+00      NA        NA        NA
## ENSG00000170791 3.968268e+02    0.7022386785 0.13007541  5.398704e+00
## ENSG00000170801 1.074102e+03   -0.2086898588 0.30399468 -6.864918e-01
## ENSG00000170802 3.021099e+02    1.0049163916 0.24005613  4.186173e+00
## ENSG00000170803 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000170807 2.630364e-01   1.7010395714 3.51732531  4.836174e-01
## ENSG00000170819 0.000000e+00      NA        NA        NA
## ENSG00000170820 1.315182e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000170827 5.465578e+00    0.2952882566 0.67082988  4.401835e-01
## ENSG00000170832 1.494067e+03    0.1712133703 0.09417186  1.818095e+00
## ENSG00000170835 2.163963e+01   -0.2112404548 0.55948204 -3.775643e-01
## ENSG00000170836 4.173955e+02   -0.6380305098 0.13654545 -4.672660e+00
## ENSG00000170837 5.063009e-01   0.3055986036 3.11414677  9.813237e-02
## ENSG00000170848 9.590350e+00   -1.5357312547 1.12055686 -1.370507e+00
## ENSG00000170852 6.108517e+02    0.1478253020 0.12438073  1.188490e+00
## ENSG00000170854 4.913517e+02   -0.5068613663 0.13907421 -3.644539e+00
## ENSG00000170855 3.321228e+02   -0.2234462060 0.17602428 -1.269406e+00
## ENSG00000170858 0.000000e+00      NA        NA        NA
## ENSG00000170860 4.162336e+02   -0.1910385154 0.13958491 -1.368619e+00
## ENSG00000170871 1.298541e+03   -0.0446218060 0.11553708 -3.862120e-01
## ENSG00000170873 1.670517e+03    1.8807736464 0.44328776  4.242783e+00
## ENSG00000170876 3.795384e+03    0.3652081979 0.12705779  2.874347e+00
## ENSG00000170881 7.786373e+02    0.0186235221 0.15381355  1.210786e-01
## ENSG00000170889 5.399562e+02    0.0421878214 0.42405240  9.948728e-02
## ENSG00000170890 1.473208e+00   -0.0573495681 1.55814967 -3.680620e-02

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## ENSG00000170891 4.137348e+01    0.5496167031 1.10853129 4.958062e-01
## ENSG00000170892 1.178258e+02    0.1696385227 0.35094795 4.833723e-01
## ENSG00000170893 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000170899 4.315702e+02    -0.7061215939 0.17271741 -4.088306e+00
## ENSG00000170903 4.879949e+02    0.0652906173 0.13785738 4.736099e-01
## ENSG00000170906 4.678517e+01    -0.3286940684 0.32966652 -9.970502e-01
## ENSG00000170909 2.144759e+01    1.0488290892 0.42310614 2.478879e+00
## ENSG00000170915 1.890796e+02    -0.1862195689 0.17327184 -1.074725e+00
## ENSG00000170917 1.149090e+02    -0.5053218148 0.31222845 -1.618436e+00
## ENSG00000170920 0.000000e+00      NA       NA       NA
## ENSG00000170921 2.222135e+03    0.8764883854 0.24610616 3.561424e+00
## ENSG00000170923 0.000000e+00      NA       NA       NA
## ENSG00000170925 0.000000e+00      NA       NA       NA
## ENSG00000170927 1.554192e+00    0.6352978037 1.35664272 4.682867e-01
## ENSG00000170929 0.000000e+00      NA       NA       NA
## ENSG00000170935 0.000000e+00      NA       NA       NA
## ENSG00000170946 2.129094e+02    0.1302835778 0.15054919 8.653887e-01
## ENSG00000170948 0.000000e+00      NA       NA       NA
## ENSG00000170949 7.720297e+02    0.0599563831 0.17254167 3.474893e-01
## ENSG00000170950 0.000000e+00      NA       NA       NA
## ENSG00000170953 0.000000e+00      NA       NA       NA
## ENSG00000170954 1.650547e+02    -0.2106654890 0.21527974 -9.785663e-01
## ENSG00000170955 9.626707e+02    0.1506781925 0.22499282 6.697022e-01
## ENSG00000170956 0.000000e+00      NA       NA       NA
## ENSG00000170959 7.904535e+00    -0.1480935473 0.59761009 -2.478096e-01
## ENSG00000170961 4.075223e+02    -0.1161262810 0.33758090 -3.439954e-01
## ENSG00000170962 2.627400e+03    0.5292620590 0.65838582 8.038783e-01
## ENSG00000170965 5.031014e+00    -3.1900495293 1.40194348 -2.275448e+00
## ENSG00000170967 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000170989 2.472214e+02    -1.4511890925 0.28000354 -5.182753e+00
## ENSG00000171004 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000171014 0.000000e+00      NA       NA       NA
## ENSG00000171016 4.496465e+02    -0.3002393392 0.13807957 -2.174394e+00
## ENSG00000171017 8.127710e+01    0.2097081628 0.32652274 6.422467e-01
## ENSG00000171033 2.520469e+02    -1.3788204780 0.37866267 -3.641290e+00
## ENSG00000171044 1.490378e+01    0.0226442589 0.57494889 3.938482e-02
## ENSG00000171045 1.754681e+02    0.0037451768 0.25370524 1.476192e-02
## ENSG00000171049 2.109684e+00    0.7539206417 1.24172718 6.071548e-01
## ENSG00000171051 3.470423e+00    3.0161536590 1.41257255 2.135220e+00
## ENSG00000171053 0.000000e+00      NA       NA       NA
## ENSG00000171054 0.000000e+00      NA       NA       NA
## ENSG00000171055 1.290706e+03    0.0565488465 0.14155250 3.994903e-01
## ENSG00000171056 5.683249e+00    -0.4407077170 0.71960937 -6.124263e-01
## ENSG00000171060 3.021006e-01    0.6955464566 3.52545350 1.972928e-01
## ENSG00000171067 9.603530e+02    0.1141939442 0.09937077 1.149170e+00
## ENSG00000171084 2.719488e+01    -0.7544241467 0.46038789 -1.638671e+00
## ENSG00000171094 2.565676e+00    -0.7172534244 1.14240109 -6.278473e-01
## ENSG00000171097 6.881558e+01    -0.5180738135 0.23701409 -2.185835e+00
## ENSG00000171100 2.156013e+02    -0.0183011989 0.16302721 -1.122586e-01
## ENSG00000171101 3.757619e-01    1.0649639057 3.51183976 3.032496e-01
## ENSG00000171102 0.000000e+00      NA       NA       NA
## ENSG00000171103 1.563044e+02    0.1431335361 0.16283501 8.790096e-01
## ENSG00000171105 6.797662e+02    0.4968564340 0.23168550 2.144530e+00
## ENSG00000171109 9.317751e+02    0.1959013644 0.14870259 1.317404e+00

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## ENSG00000171115 1.962848e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000171116 1.684627e+01   -0.1261446026 0.47628750 -2.648497e-01
## ENSG00000171119 8.303394e+00    0.6126209731 0.79037966  7.750971e-01
## ENSG00000171121 4.599293e+01   -0.0781085029 0.37012211 -2.110344e-01
## ENSG00000171124 2.054154e+00    0.5304403172 1.22360184  4.335073e-01
## ENSG00000171126 2.123621e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000171130 3.100392e+02   -0.1704265833 0.23730833 -7.181652e-01
## ENSG00000171132 4.049304e+02   -1.1663182584 0.22970536 -5.077453e+00
## ENSG00000171133 1.862932e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000171135 4.698790e+02    0.3813321909 0.11152113  3.419372e+00
## ENSG00000171136 0.000000e+00      NA          NA          NA
## ENSG00000171148 1.825739e+03    0.2377441717 0.07912682  3.004597e+00
## ENSG00000171150 1.344153e+03   -0.4761410173 0.16064079 -2.964011e+00
## ENSG00000171155 5.482925e+02    0.5527690896 0.14308936  3.863104e+00
## ENSG00000171159 4.870712e+02   -0.0042084310 0.16167947 -2.602947e-02
## ENSG00000171160 1.591422e+02   -0.3184023438 0.24808811 -1.283424e+00
## ENSG00000171161 2.674020e+02   -0.2025232565 0.14057095 -1.440719e+00
## ENSG00000171163 2.640379e+02   -0.4104841421 0.15695271 -2.615336e+00
## ENSG00000171169 1.684683e+02   -0.0172146137 0.20874559 -8.246696e-02
## ENSG00000171174 3.445704e+01   -0.5704668411 0.33058273 -1.725640e+00
## ENSG00000171180 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000171189 6.223738e+01    1.8791886044 0.91868423  2.045522e+00
## ENSG00000171195 0.000000e+00      NA          NA          NA
## ENSG00000171199 0.000000e+00      NA          NA          NA
## ENSG00000171201 0.000000e+00      NA          NA          NA
## ENSG00000171202 1.929337e+02    0.1928881062 0.21611170  8.925389e-01
## ENSG00000171204 4.895324e+02   -0.2966499250 0.13084855 -2.267124e+00
## ENSG00000171206 2.653076e+03    0.0239197867 0.12861583  1.859786e-01
## ENSG00000171208 7.098536e+01   -0.2063044308 0.82510276 -2.500348e-01
## ENSG00000171209 0.000000e+00      NA          NA          NA
## ENSG00000171217 4.506246e+00   -0.2777463387 0.84781562 -3.276023e-01
## ENSG00000171219 1.407596e+01    1.1736799238 1.10315541  1.063930e+00
## ENSG00000171222 4.090345e+02    0.0998198510 0.15745962  6.339394e-01
## ENSG00000171223 8.568664e+02   -0.0160802549 0.19776814 -8.130862e-02
## ENSG00000171224 1.194848e+01   -0.2549022302 0.75058100 -3.396066e-01
## ENSG00000171227 1.409986e+01   -1.4405490492 0.82875762 -1.738203e+00
## ENSG00000171234 1.337949e+00   -0.8959161596 1.79517833 -4.990681e-01
## ENSG00000171236 4.416172e+00   -0.3052359060 0.75729995 -4.030581e-01
## ENSG00000171241 5.757364e+01   -0.4009257177 0.40438795 -9.914383e-01
## ENSG00000171243 2.828859e+00   -1.0830648254 1.16724269 -9.278832e-01
## ENSG00000171246 1.786350e+01   -0.8946557143 0.70433381 -1.270215e+00
## ENSG00000171262 5.401681e+02    0.1919806278 0.24645677  7.789627e-01
## ENSG00000171291 1.005871e+02    0.3027902280 0.23137537  1.308654e+00
## ENSG00000171295 1.654749e+02   -0.1464266650 0.19069255 -7.678678e-01
## ENSG00000171298 2.928915e+03   -0.0712511057 0.19844823 -3.590413e-01
## ENSG00000171302 1.426536e+03   -0.0086791431 0.09666010 -8.979034e-02
## ENSG00000171303 7.641892e+00    1.0948020848 0.93992101  1.164781e+00
## ENSG00000171307 8.067494e+02    0.2196102535 0.13947072  1.574598e+00
## ENSG00000171310 1.177915e+02    0.2057163389 0.25896651  7.943743e-01
## ENSG00000171311 3.036183e+02   -0.2628811984 0.12331311 -2.131819e+00
## ENSG00000171314 6.363712e+03    0.0681754895 0.17935592  3.801128e-01
## ENSG00000171316 2.068720e+01    1.9963521644 0.65816959  3.033188e+00
## ENSG00000171320 1.308847e+01   -0.1174326075 0.52831733 -2.222767e-01
## ENSG00000171345 2.272327e+01    0.1758084284 0.73639190  2.387430e-01

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## ENSG00000171346 3.137376e+00 -1.7548075820 1.14269566 -1.535674e+00
## ENSG00000171357 4.974015e+01 -0.4246248375 0.23750861 -1.787829e+00
## ENSG00000171360 0.000000e+00 NA NA NA
## ENSG00000171365 3.390102e+02 0.3815812208 0.18259930 2.089719e+00
## ENSG00000171368 4.822588e+00 1.6380842410 0.77447315 2.115095e+00
## ENSG00000171385 1.221502e+02 1.4351290802 0.49218762 2.915817e+00
## ENSG00000171388 1.623780e+02 -0.8770338704 0.49057094 -1.787782e+00
## ENSG00000171396 0.000000e+00 NA NA NA
## ENSG00000171401 0.000000e+00 NA NA NA
## ENSG00000171402 0.000000e+00 NA NA NA
## ENSG00000171403 0.000000e+00 NA NA NA
## ENSG00000171405 1.328283e+00 0.8921285786 1.39556286 6.392608e-01
## ENSG00000171408 9.719757e+02 -0.2928814601 0.27205925 -1.076536e+00
## ENSG00000171421 2.563168e+02 0.1934507663 0.20296957 9.531023e-01
## ENSG00000171425 3.208294e+02 -0.1669887706 0.18219505 -9.165384e-01
## ENSG00000171428 8.390650e+01 0.0739509871 0.22894784 3.230036e-01
## ENSG00000171431 0.000000e+00 NA NA NA
## ENSG00000171433 0.000000e+00 NA NA NA
## ENSG00000171435 2.156765e+00 0.9656007921 1.23747258 7.803008e-01
## ENSG00000171443 1.189967e+02 -0.3040379400 0.19498615 -1.559280e+00
## ENSG00000171444 1.173727e+03 -0.0133094092 0.27721417 -4.801129e-02
## ENSG00000171446 0.000000e+00 NA NA NA
## ENSG00000171448 2.061932e+02 -0.1761801966 0.21874492 -8.054139e-01
## ENSG00000171450 6.212672e-01 -0.9360069068 2.40920437 -3.885129e-01
## ENSG00000171451 2.267086e+03 -0.1192333469 0.18396043 -6.481467e-01
## ENSG00000171453 2.259443e+02 0.1634121825 0.22263696 7.339850e-01
## ENSG00000171456 2.117277e+03 0.2183692011 0.10852745 2.012110e+00
## ENSG00000171459 0.000000e+00 NA NA NA
## ENSG00000171462 1.807765e+01 0.3973954879 0.44262101 8.978234e-01
## ENSG00000171466 4.385410e+02 -0.1427530975 0.21437129 -6.659152e-01
## ENSG00000171467 7.636052e+02 -0.3947467231 0.14613035 -2.701333e+00
## ENSG00000171469 6.304546e+02 -0.6056089391 0.14628030 -4.140058e+00
## ENSG00000171475 1.038018e+03 0.0755527994 0.09906055 7.626931e-01
## ENSG00000171476 1.399227e+01 -0.3753446328 0.53047252 -7.075666e-01
## ENSG00000171478 0.000000e+00 NA NA NA
## ENSG00000171481 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000171483 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000171484 0.000000e+00 NA NA NA
## ENSG00000171487 4.164051e-01 2.2676627718 3.48234977 6.511875e-01
## ENSG00000171488 2.736647e+02 -0.1036551467 0.17353799 -5.973052e-01
## ENSG00000171489 3.436660e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000171490 2.165132e+03 -0.0109551652 0.14164389 -7.734301e-02
## ENSG00000171492 5.341163e+02 -0.6608784695 0.14476431 -4.565203e+00
## ENSG00000171495 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000171496 2.999729e+00 -0.0546500132 0.93342218 -5.854801e-02
## ENSG00000171497 6.064908e+02 -0.3021513909 0.19359220 -1.560762e+00
## ENSG00000171501 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000171502 7.816622e+01 -1.0362850494 0.36129042 -2.868288e+00
## ENSG00000171503 9.462244e+02 -0.3811740246 0.19870532 -1.918288e+00
## ENSG00000171505 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000171509 3.684531e+01 -1.7619982151 0.50926719 -3.459870e+00
## ENSG00000171517 1.031567e+01 -0.3579607654 0.81070568 -4.415422e-01
## ENSG00000171522 3.524910e+02 -0.0834002666 0.46477508 -1.794422e-01
## ENSG00000171530 9.572425e+02 0.0663056827 0.10642692 6.230161e-01

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## ENSG00000171532 1.199407e+00 1.2723917544 1.50290932 8.466191e-01
## ENSG00000171533 4.498863e+01 0.2620108049 0.28226666 9.282386e-01
## ENSG00000171540 0.000000e+00 NA NA NA
## ENSG00000171551 0.000000e+00 NA NA NA
## ENSG00000171552 1.993837e+03 0.2030645557 0.12614248 1.609803e+00
## ENSG00000171557 0.000000e+00 NA NA NA
## ENSG00000171560 0.000000e+00 NA NA NA
## ENSG00000171561 0.000000e+00 NA NA NA
## ENSG00000171564 0.000000e+00 NA NA NA
## ENSG00000171566 1.195054e+03 0.0453047085 0.11505898 3.937521e-01
## ENSG00000171570 3.924555e+01 -0.5314530625 1.11198899 -4.779301e-01
## ENSG00000171574 2.144425e+02 0.4335064594 0.21598104 2.007151e+00
## ENSG00000171587 0.000000e+00 NA NA NA
## ENSG00000171595 0.000000e+00 NA NA NA
## ENSG00000171596 1.080513e+01 1.0058400931 0.58874639 1.708444e+00
## ENSG00000171603 6.904331e+03 0.3516726209 0.08394034 4.189554e+00
## ENSG00000171604 6.909734e+02 -0.5933414737 0.14741294 -4.025030e+00
## ENSG00000171606 3.144945e+02 -0.3581891692 0.20279962 -1.766222e+00
## ENSG00000171608 4.049012e+02 0.7231904582 0.20952137 3.451631e+00
## ENSG00000171611 0.000000e+00 NA NA NA
## ENSG00000171612 6.902870e+01 0.3641796462 0.22747895 1.600938e+00
## ENSG00000171617 7.613286e+02 -1.1333401538 0.31909707 -3.551710e+00
## ENSG00000171621 7.642124e+02 -0.0641410633 0.22528406 -2.847119e-01
## ENSG00000171631 6.327449e+00 0.7551404790 0.77419365 9.753897e-01
## ENSG00000171634 2.000280e+03 0.0190465406 0.09675311 1.968571e-01
## ENSG00000171643 0.000000e+00 NA NA NA
## ENSG00000171649 1.294938e+02 -0.2664287241 0.21370490 -1.246713e+00
## ENSG00000171657 6.365154e+00 -0.5659399200 1.20314004 -4.703857e-01
## ENSG00000171658 6.770372e+01 -0.3069420647 0.54027771 -5.681191e-01
## ENSG00000171659 3.574218e-01 0.8190846999 3.30257097 2.480143e-01
## ENSG00000171680 1.476105e+02 -0.7218461474 0.33680702 -2.143204e+00
## ENSG00000171681 1.060421e+03 -0.3971799209 0.15437271 -2.572863e+00
## ENSG00000171695 7.269314e-01 -1.9695223396 2.33955984 -8.418346e-01
## ENSG00000171700 1.179837e+02 0.1968745727 0.20754413 9.485914e-01
## ENSG00000171703 5.805462e+02 -0.0343054376 0.14189584 -2.417649e-01
## ENSG00000171711 0.000000e+00 NA NA NA
## ENSG00000171714 2.684862e+00 1.0932854827 1.41140091 7.746102e-01
## ENSG00000171720 9.106379e+02 -0.0453272484 0.10846399 -4.179013e-01
## ENSG00000171722 2.760317e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000171723 2.108876e+02 -0.1646941459 0.36123010 -4.559259e-01
## ENSG00000171724 1.616896e+01 -1.0645619150 0.90263798 -1.179390e+00
## ENSG00000171729 1.880726e+02 -0.1523208260 0.27110850 -5.618445e-01
## ENSG00000171735 2.839393e+02 0.0394108717 0.12095986 3.258178e-01
## ENSG00000171747 2.922524e+00 0.2548810367 0.95292935 2.674711e-01
## ENSG00000171757 5.741129e+01 0.1886080968 0.32922599 5.728834e-01
## ENSG00000171759 0.000000e+00 NA NA NA
## ENSG00000171763 1.216534e+02 0.3212158087 0.22835677 1.406640e+00
## ENSG00000171766 1.359296e+00 0.5386424311 1.80001128 2.992439e-01
## ENSG00000171772 2.224400e+00 0.4376717963 1.19170558 3.672650e-01
## ENSG00000171773 1.799850e+00 -0.8878684824 1.25922903 -7.050890e-01
## ENSG00000171777 3.462126e+00 0.4796203632 1.01740017 4.714176e-01
## ENSG00000171786 1.185335e+00 0.0420039859 1.58621732 2.648060e-02
## ENSG00000171790 1.727123e+01 1.1680192830 0.50381589 2.318345e+00
## ENSG00000171791 1.872049e+02 -0.2622398501 0.20857069 -1.257319e+00

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## ENSG00000171792 3.533012e+02 -0.6905942184 0.14676078 -4.705578e+00
## ENSG00000171793 6.962305e+02 1.6327224926 0.23254140 7.021212e+00
## ENSG00000171794 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000171798 4.731032e+01 -1.0991334213 0.39753161 -2.764896e+00
## ENSG00000171804 1.487913e+00 0.1069365415 1.50996227 7.082067e-02
## ENSG00000171806 7.364192e+01 -0.3273193296 0.24513799 -1.335245e+00
## ENSG00000171811 1.192414e+01 -0.4528487571 0.50350617 -8.993907e-01
## ENSG00000171812 5.731599e+02 0.1754993909 0.52109215 3.367915e-01
## ENSG00000171813 1.221944e+02 -0.2645290864 0.33000844 -8.015828e-01
## ENSG00000171815 1.690911e+01 0.3164603536 0.42456996 7.453668e-01
## ENSG00000171817 4.472930e+01 -1.2736697600 0.45908897 -2.774342e+00
## ENSG00000171819 2.582617e+02 5.8937933869 1.37560260 4.284517e+00
## ENSG00000171823 1.247490e+02 0.0793632151 0.19139925 4.146475e-01
## ENSG00000171824 1.545482e+03 0.6183985137 0.17580077 3.517610e+00
## ENSG00000171827 2.033534e+02 -0.1233944013 0.18303070 -6.741732e-01
## ENSG00000171840 3.355469e+01 0.0066861748 0.38120129 1.753975e-02
## ENSG00000171843 5.165459e+02 0.1163724059 0.21023344 5.535390e-01
## ENSG00000171847 1.416224e+01 -0.5383857183 0.59043550 -9.118451e-01
## ENSG00000171848 6.369754e+01 -0.2316358130 0.50539252 -4.583285e-01
## ENSG00000171853 6.339452e+02 -0.1097011683 0.15240428 -7.198037e-01
## ENSG00000171855 0.000000e+00 NA NA NA
## ENSG00000171858 2.491869e+03 0.0970164042 0.21629268 4.485423e-01
## ENSG00000171860 8.323807e-01 -0.8301040224 2.37745541 -3.491565e-01
## ENSG00000171861 1.505160e+02 0.2476487380 0.17243733 1.436167e+00
## ENSG00000171862 3.615333e+02 -0.6738982481 0.12829669 -5.252655e+00
## ENSG00000171863 7.625728e+03 0.0685330044 0.13426722 5.104224e-01
## ENSG00000171864 4.087323e+00 -0.8994801823 0.84857538 -1.059989e+00
## ENSG00000171865 4.681793e+02 0.2239906681 0.12251248 1.828309e+00
## ENSG00000171867 8.836270e+03 -0.2052145846 0.11558074 -1.775509e+00
## ENSG00000171872 4.378365e+00 1.0942126174 0.83035151 1.317770e+00
## ENSG00000171873 2.107740e+01 0.0190219771 0.71636246 2.655356e-02
## ENSG00000171877 9.031192e+01 -0.9296879501 0.30758558 -3.022534e+00
## ENSG00000171885 0.000000e+00 NA NA NA
## ENSG00000171903 4.001450e+00 0.7931517598 0.92082411 8.613499e-01
## ENSG00000171914 1.313899e+03 -0.2544252051 0.23514314 -1.082001e+00
## ENSG00000171916 4.002270e-01 1.0333888392 3.51383736 2.940913e-01
## ENSG00000171928 6.125119e+02 0.3395071399 0.26732722 1.270006e+00
## ENSG00000171931 4.665837e+00 0.5513824073 0.88397542 6.237531e-01
## ENSG00000171936 0.000000e+00 NA NA NA
## ENSG00000171940 7.234210e+02 0.2775495418 0.13970882 1.986629e+00
## ENSG00000171942 0.000000e+00 NA NA NA
## ENSG00000171943 8.534042e+02 -0.4963344907 0.39770207 -1.248006e+00
## ENSG00000171944 0.000000e+00 NA NA NA
## ENSG00000171951 7.806988e+01 0.7810734953 0.46959683 1.663285e+00
## ENSG00000171953 1.644388e+02 -0.0550543194 0.23441141 -2.348619e-01
## ENSG00000171954 2.286975e-01 -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000171956 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000171960 1.876407e+02 -0.0178141564 0.14908694 -1.194884e-01
## ENSG00000171962 7.856575e+01 -0.2423833065 0.32681981 -7.416420e-01
## ENSG00000171970 4.919023e+01 -0.4085722545 0.28535982 -1.431779e+00
## ENSG00000171984 2.013211e+01 -0.1630166970 0.38262348 -4.260499e-01
## ENSG00000171987 0.000000e+00 NA NA NA
## ENSG00000171988 1.522891e+03 -0.1110423564 0.13844402 -8.020740e-01
## ENSG00000171989 1.532707e+00 0.8330314896 1.68556155 4.942160e-01

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## ENSG00000171992 4.868508e+03 -0.2769330046 0.19866524 -1.393968e+00
## ENSG00000171999 0.000000e+00 NA NA NA
## ENSG00000172000 1.651655e+01 0.1713737246 0.47042449 3.642959e-01
## ENSG00000172005 9.669457e-01 -1.3069040775 2.26821769 -5.761811e-01
## ENSG00000172006 1.072422e+02 0.0649553970 0.20983456 3.095553e-01
## ENSG00000172007 2.103210e+02 -0.2385867320 0.18605438 -1.282349e+00
## ENSG00000172009 4.171125e+02 0.0673806683 0.18059030 3.731134e-01
## ENSG00000172014 2.317618e+00 -1.2010866385 1.38019317 -8.702308e-01
## ENSG00000172016 0.000000e+00 NA NA NA
## ENSG00000172020 7.596649e+00 -0.5909904093 0.77160866 -7.659199e-01
## ENSG00000172023 0.000000e+00 NA NA NA
## ENSG00000172031 1.028240e+01 -0.5723486337 0.74517312 -7.680747e-01
## ENSG00000172037 1.237152e+04 -0.1082569681 0.19424010 -5.573358e-01
## ENSG00000172046 1.326318e+03 -0.0579113219 0.10371680 -5.583601e-01
## ENSG00000172053 3.424998e+03 -0.0425357172 0.12275424 -3.465112e-01
## ENSG00000172057 1.595791e+03 0.0086253125 0.11271876 7.652065e-02
## ENSG00000172058 1.334254e+01 0.2806311687 0.70376222 3.987585e-01
## ENSG00000172059 4.134452e+02 -0.2825737984 0.26505103 -1.066111e+00
## ENSG00000172061 2.248765e+02 -2.4179000262 0.96522719 -2.505006e+00
## ENSG00000172062 4.691991e+01 0.1057114093 0.49927396 2.117303e-01
## ENSG00000172071 5.254550e+02 0.0537054802 0.16444585 3.265846e-01
## ENSG00000172073 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000172081 9.501277e+02 0.5313105319 0.12107810 4.388164e+00
## ENSG00000172086 9.074935e+02 0.2442365932 0.12583522 1.940924e+00
## ENSG00000172113 2.456214e+02 -0.2266548277 0.16135608 -1.404687e+00
## ENSG00000172115 7.164667e+02 0.3202072005 0.23095117 1.386471e+00
## ENSG00000172116 0.000000e+00 NA NA NA
## ENSG00000172123 4.074998e+02 0.7442501481 0.21764462 3.419566e+00
## ENSG00000172137 1.363340e+01 -0.8187175115 0.54617822 -1.498993e+00
## ENSG00000172139 1.488692e+00 -1.4739937899 2.11475769 -6.970036e-01
## ENSG00000172146 0.000000e+00 NA NA NA
## ENSG00000172148 0.000000e+00 NA NA NA
## ENSG00000172150 0.000000e+00 NA NA NA
## ENSG00000172154 0.000000e+00 NA NA NA
## ENSG00000172155 0.000000e+00 NA NA NA
## ENSG00000172156 5.265950e+02 -0.3835151048 1.14145530 -3.359878e-01
## ENSG00000172159 4.375282e+01 -0.1286903833 0.56668607 -2.270929e-01
## ENSG00000172164 6.856394e+02 0.4531214706 0.25006253 1.812033e+00
## ENSG00000172167 4.779496e+01 -0.3826538542 0.24975569 -1.532113e+00
## ENSG00000172171 1.291088e+02 0.1244017982 0.18121785 6.864765e-01
## ENSG00000172172 3.193434e+02 0.1567805146 0.12134710 1.292001e+00
## ENSG00000172175 9.996541e+02 0.4640952723 0.25349372 1.830796e+00
## ENSG00000172179 5.187432e-01 0.1014757260 2.52054636 4.025942e-02
## ENSG00000172183 5.231843e+01 0.2331555665 0.28037777 8.315765e-01
## ENSG00000172186 0.000000e+00 NA NA NA
## ENSG00000172188 0.000000e+00 NA NA NA
## ENSG00000172197 3.900083e+01 -0.2515558621 0.31502500 -7.985267e-01
## ENSG00000172199 0.000000e+00 NA NA NA
## ENSG00000172201 5.578496e+01 0.0931595457 0.29498329 3.158130e-01
## ENSG00000172208 0.000000e+00 NA NA NA
## ENSG00000172209 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000172215 5.627284e+00 -0.4824984340 0.79139105 -6.096840e-01
## ENSG00000172216 1.062866e+03 0.4417902853 0.20888286 2.115015e+00
## ENSG00000172232 1.642944e+00 -0.4180630127 1.31174255 -3.187081e-01

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## ENSG00000172236	0.000000e+00	NA	NA	NA
## ENSG00000172238	0.000000e+00	NA	NA	NA
## ENSG00000172239	1.496515e+03	-0.0526904848	0.13888965	-3.793694e-01
## ENSG00000172243	1.169842e+01	-0.2885086996	0.49467765	-5.832257e-01
## ENSG00000172244	3.655480e+01	-0.3364008100	0.34610299	-9.719674e-01
## ENSG00000172247	3.061151e+00	0.4145091278	1.00013661	4.144525e-01
## ENSG00000172260	1.416172e+03	1.3234085082	0.37182783	3.559197e+00
## ENSG00000172262	4.821159e+02	0.0939792470	0.10824469	8.682111e-01
## ENSG00000172264	5.913401e+01	-0.1202883668	0.27553265	-4.365667e-01
## ENSG00000172269	5.488858e+02	0.2723206410	0.13701105	1.987582e+00
## ENSG00000172270	7.372759e+03	0.0512514847	0.10246511	5.001847e-01
## ENSG00000172273	2.808196e+02	-0.1946695565	0.16096916	-1.209359e+00
## ENSG00000172283	0.000000e+00	NA	NA	NA
## ENSG00000172288	0.000000e+00	NA	NA	NA
## ENSG00000172289	0.000000e+00	NA	NA	NA
## ENSG00000172292	7.364573e+02	0.5956088196	0.21017207	2.833910e+00
## ENSG00000172294	0.000000e+00	NA	NA	NA
## ENSG00000172296	1.991196e+02	-0.7330159094	0.20609873	-3.556625e+00
## ENSG00000172297	4.862671e+00	0.2702718635	1.07802606	2.507100e-01
## ENSG00000172301	8.016428e+02	-0.5770212624	0.17185706	-3.357565e+00
## ENSG00000172315	4.137648e+02	0.2049447247	0.12729340	1.610018e+00
## ENSG00000172318	5.160643e+01	1.2602843675	0.70758771	1.781100e+00
## ENSG00000172320	0.000000e+00	NA	NA	NA
## ENSG00000172322	1.060739e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000172324	0.000000e+00	NA	NA	NA
## ENSG00000172331	6.155322e+02	-0.4446399640	0.25535522	-1.741261e+00
## ENSG00000172336	2.026280e+02	0.0512128584	0.19960167	2.565753e-01
## ENSG00000172339	1.539595e+02	-0.0198512802	0.24278504	-8.176484e-02
## ENSG00000172340	1.371438e+03	-0.0225029236	0.10627746	-2.117375e-01
## ENSG00000172342	0.000000e+00	NA	NA	NA
## ENSG00000172345	5.971131e+02	-0.6668451130	0.17478486	-3.815234e+00
## ENSG00000172346	7.523206e+02	-0.3518290490	0.33801848	-1.040857e+00
## ENSG00000172348	5.536081e+02	-1.6919405302	1.05834909	-1.598660e+00
## ENSG00000172349	8.981268e+02	1.0331559819	0.15670714	6.592909e+00
## ENSG00000172350	9.594140e+00	-0.8439094515	0.62874302	-1.342217e+00
## ENSG00000172352	0.000000e+00	NA	NA	NA
## ENSG00000172354	2.613890e+03	0.4419795223	0.12379793	3.570169e+00
## ENSG00000172361	1.753857e+01	-0.4222592941	0.42001078	-1.005353e+00
## ENSG00000172362	5.848577e-01	1.7100003853	3.47193045	4.925215e-01
## ENSG00000172365	7.240748e-01	-0.5659896294	2.33178431	-2.427281e-01
## ENSG00000172366	1.136189e+02	0.0626067285	0.23973252	2.611524e-01
## ENSG00000172367	3.945545e-01	2.1990168352	3.48706939	6.306203e-01
## ENSG00000172375	1.720306e+02	0.2655548423	0.19570172	1.356937e+00
## ENSG00000172377	0.000000e+00	NA	NA	NA
## ENSG00000172379	1.642668e+03	0.5551494493	0.19426067	2.857755e+00
## ENSG00000172380	8.352800e+03	0.0151358659	0.15676910	9.654878e-02
## ENSG00000172381	0.000000e+00	NA	NA	NA
## ENSG00000172382	4.344930e+01	0.4646369019	0.33680383	1.379548e+00
## ENSG00000172399	1.887381e+01	2.3670484385	0.94178793	2.513356e+00
## ENSG00000172403	9.228925e+03	1.7174960191	0.26727709	6.425901e+00
## ENSG00000172404	2.577615e+00	-0.1346641590	1.04986450	-1.282681e-01
## ENSG00000172409	2.062884e+02	0.1909609925	0.13843264	1.379451e+00
## ENSG00000172410	3.028312e-01	-0.5099340604	3.52871903	-1.445097e-01
## ENSG00000172421	1.096069e+00	-0.2240356420	1.61826687	-1.384417e-01

```

## ENSG00000172425 3.412715e+00    0.0531307819 1.03835773 5.116809e-02
## ENSG00000172426 2.028017e+01   -0.2640985593 0.37684943 -7.008066e-01
## ENSG00000172428 3.662566e+02    0.2206885175 0.15757176 1.400559e+00
## ENSG00000172432 8.637636e+02   -0.1757161672 0.08501189 -2.066960e+00
## ENSG00000172456 2.115876e+02   -0.4172288837 0.29025201 -1.437471e+00
## ENSG00000172457 0.000000e+00      NA          NA          NA
## ENSG00000172458 1.441708e+02   -0.1541409419 0.27672373 -5.570211e-01
## ENSG00000172459 0.000000e+00      NA          NA          NA
## ENSG00000172460 5.544713e+00    1.0344685002 0.86834691 1.191308e+00
## ENSG00000172461 1.759922e+00    0.2530659258 1.30449239 1.939957e-01
## ENSG00000172464 0.000000e+00      NA          NA          NA
## ENSG00000172465 4.518477e+02    1.0117193822 0.14295778 7.077050e+00
## ENSG00000172466 1.075049e+03    0.0932371475 0.12863906 7.247965e-01
## ENSG00000172468 9.278597e-01    1.5807981635 2.22308742 7.110823e-01
## ENSG00000172469 4.846619e+02    0.0837285500 0.10622062 7.882514e-01
## ENSG00000172476 5.927094e+01    0.8221687453 0.30993792 2.652688e+00
## ENSG00000172478 5.635697e-01   -1.4249125913 2.96951509 -4.798469e-01
## ENSG00000172482 2.054110e+00    0.2356632074 1.24168634 1.897929e-01
## ENSG00000172487 0.000000e+00      NA          NA          NA
## ENSG00000172489 0.000000e+00      NA          NA          NA
## ENSG00000172493 1.211464e+03   -0.1946781766 0.17872143 -1.089283e+00
## ENSG00000172497 2.280902e+01   -1.8142268556 0.40802943 -4.446314e+00
## ENSG00000172500 9.039754e+02    0.1344110152 0.15713343 8.553941e-01
## ENSG00000172508 1.823716e+01   -0.9924919485 0.48287272 -2.055390e+00
## ENSG00000172519 0.000000e+00      NA          NA          NA
## ENSG00000172524 0.000000e+00      NA          NA          NA
## ENSG00000172530 1.974133e+02   -0.4744745917 0.22439679 -2.114445e+00
## ENSG00000172531 1.191412e+03    0.3557983981 0.11747641 3.028679e+00
## ENSG00000172534 1.641882e+03    0.0515264713 0.11471075 4.491861e-01
## ENSG00000172538 0.000000e+00      NA          NA          NA
## ENSG00000172543 3.786877e+00   -1.2631002946 0.90066766 -1.402404e+00
## ENSG00000172548 2.821919e+00    0.0683116622 0.98379454 6.943692e-02
## ENSG00000172551 4.261854e-01   -2.1453118050 3.46651329 -6.188673e-01
## ENSG00000172554 6.073160e-01   -1.6731723187 2.92621501 -5.717872e-01
## ENSG00000172568 0.000000e+00      NA          NA          NA
## ENSG00000172572 1.637675e+02   -0.4501259431 0.56703435 -7.938248e-01
## ENSG00000172575 5.882555e+00    0.9327986018 0.86448011 1.079028e+00
## ENSG00000172578 1.716307e+01   -0.4798811921 0.50974596 -9.414125e-01
## ENSG00000172586 2.370085e+02    0.2732849972 0.16179921 1.689038e+00
## ENSG00000172590 3.532057e+02   -0.0616483429 0.17283402 -3.566910e-01
## ENSG00000172594 2.178542e+03    0.2710377715 0.17946258 1.510275e+00
## ENSG00000172602 1.023426e+01    1.0912623191 0.60905264 1.791737e+00
## ENSG00000172613 1.409008e+02    0.0490623279 0.20800087 2.358756e-01
## ENSG00000172638 5.912525e+03   -0.0710164706 0.22001332 -3.227826e-01
## ENSG00000172640 7.490466e-01    0.2887904406 2.31214392 1.249016e-01
## ENSG00000172650 9.365595e+01   -0.2970328278 0.23725609 -1.251950e+00
## ENSG00000172661 2.894079e+03    0.0857747228 0.13939854 6.153201e-01
## ENSG00000172663 2.590207e+02   -0.0476377239 0.13839058 -3.442266e-01
## ENSG00000172667 4.275954e+03   -0.4682821709 0.10519469 -4.451576e+00
## ENSG00000172671 9.807705e+01   -0.0334970541 0.18548369 -1.805930e-01
## ENSG00000172673 6.206374e-01    0.9100775478 2.41401377 3.769977e-01
## ENSG00000172680 0.000000e+00      NA          NA          NA
## ENSG00000172687 6.898853e+01    0.1660506464 0.21937422 7.569287e-01
## ENSG00000172689 1.615332e+00    0.9093312817 1.46676963 6.199551e-01

```

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## ENSG00000172716 1.092775e+03 -0.0916368643 0.22886976 -4.003887e-01
## ENSG00000172717 1.288869e+00 0.0173997893 1.89346636 9.189384e-03
## ENSG00000172724 3.191666e-01 -1.7322889739 3.49360098 -4.958463e-01
## ENSG00000172725 2.028178e+03 0.3618066875 0.14196032 2.548647e+00
## ENSG00000172728 2.865778e+02 0.0670755871 0.29543962 2.270365e-01
## ENSG00000172731 2.156602e+02 -0.2659910156 0.17664954 -1.505755e+00
## ENSG00000172732 5.025117e+02 0.4252766076 0.16430285 2.588370e+00
## ENSG00000172733 4.244670e+01 0.0303553946 0.50393592 6.023662e-02
## ENSG00000172738 5.188504e+01 -1.5713052191 0.40311820 -3.897877e+00
## ENSG00000172742 0.000000e+00 NA NA NA
## ENSG00000172746 2.614253e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000172748 1.232162e+02 -0.2599121570 0.24439255 -1.063503e+00
## ENSG00000172752 4.599522e+00 -1.2397260969 1.60208508 -7.738204e-01
## ENSG00000172757 9.922521e+03 0.3877574923 0.13612102 2.848623e+00
## ENSG00000172765 5.149828e+02 0.0204783049 0.14072456 1.455205e-01
## ENSG00000172766 2.915580e+02 0.0175239803 0.19822703 8.840359e-02
## ENSG00000172769 0.000000e+00 NA NA NA
## ENSG00000172771 2.345357e+01 0.0844940906 0.38337430 2.203958e-01
## ENSG00000172772 0.000000e+00 NA NA NA
## ENSG00000172774 0.000000e+00 NA NA NA
## ENSG00000172775 9.865854e+02 0.0109724220 0.12418139 8.835802e-02
## ENSG00000172780 1.798589e+02 0.5508268983 0.22157659 2.485944e+00
## ENSG00000172782 9.100313e+00 0.3474549140 0.57263961 6.067602e-01
## ENSG00000172785 3.231507e+02 0.1354155552 0.20094218 6.739031e-01
## ENSG00000172789 2.602763e+00 -1.0712533562 1.36414712 -7.852917e-01
## ENSG00000172794 7.647047e+00 0.0504471205 0.58569323 8.613233e-02
## ENSG00000172795 4.590152e+02 0.3603000604 0.18797980 1.916696e+00
## ENSG00000172799 4.079602e-01 -1.0072115861 3.49388180 -2.882787e-01
## ENSG00000172803 5.349270e+01 -0.3814267986 0.34201783 -1.115225e+00
## ENSG00000172809 3.815889e+03 0.0004664452 0.12231250 3.813553e-03
## ENSG00000172817 1.703554e+01 0.7255571132 0.66131433 1.097144e+00
## ENSG00000172818 3.023587e-01 -0.5082425259 3.47558423 -1.462323e-01
## ENSG00000172819 1.340769e+03 -0.2393324163 0.23043589 -1.038607e+00
## ENSG00000172824 9.254635e+01 0.4193887030 0.44610958 9.401024e-01
## ENSG00000172828 2.406812e+01 -0.2237575756 0.37648548 -5.943325e-01
## ENSG00000172830 8.580694e+02 0.1936647775 0.14759431 1.312143e+00
## ENSG00000172831 1.320823e+03 -0.5596723810 0.08641114 -6.476854e+00
## ENSG00000172840 3.879967e+02 0.5210606570 0.15674459 3.324266e+00
## ENSG00000172845 1.789287e+03 -0.2420358434 0.11530558 -2.099082e+00
## ENSG00000172850 3.310419e+01 -0.2994909186 0.31428762 -9.529199e-01
## ENSG00000172867 0.000000e+00 NA NA NA
## ENSG00000172869 1.274768e+03 0.0998059514 0.13150449 7.589547e-01
## ENSG00000172878 1.513914e+02 -0.1735529799 0.19139855 -9.067623e-01
## ENSG00000172888 9.620085e+02 -0.0622961396 0.10558224 -5.900248e-01
## ENSG00000172889 8.060730e+01 -0.1938673947 0.52045510 -3.724959e-01
## ENSG00000172890 1.453008e+03 0.1218954876 0.14592139 8.353504e-01
## ENSG00000172893 2.400360e+02 -0.4213136042 0.25561615 -1.648228e+00
## ENSG00000172900 5.247621e+00 -0.2994978070 0.88831290 -3.371535e-01
## ENSG00000172901 2.053220e+01 -0.9001988984 0.71040040 -1.267171e+00
## ENSG00000172912 0.000000e+00 NA NA NA
## ENSG00000172915 3.253194e+02 -0.0865340406 0.26348711 -3.284185e-01
## ENSG00000172922 4.630020e+02 -0.0254855895 0.16619683 -1.533458e-01
## ENSG00000172927 5.164269e+00 -0.7025598284 0.82218454 -8.545038e-01
## ENSG00000172932 3.527857e+02 0.1527895564 0.14590257 1.047203e+00

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## ENSG00000172935 3.142672e+03    0.5539256554 0.16077881 3.445265e+00
## ENSG00000172936 8.096386e+02   -0.0481736982 0.13441557 -3.583937e-01
## ENSG00000172938 7.537325e-01    1.2414469669 2.81626375 4.408135e-01
## ENSG00000172939 1.236304e+03    0.4770434900 0.07526933 6.337820e+00
## ENSG00000172940 3.021006e-01    0.6955464566 3.52545350 1.972928e-01
## ENSG00000172943 6.167755e+02    0.1588137785 0.19296527 8.230174e-01
## ENSG00000172954 9.049134e+02    0.8137570689 0.27043685 3.009047e+00
## ENSG00000172955 4.546331e+01    0.9658124495 0.31519985 3.064127e+00
## ENSG00000172967 4.880595e-01   -1.1228873873 3.06972443 -3.657942e-01
## ENSG00000172969 1.773867e+00    1.9870158358 1.38778173 1.431793e+00
## ENSG00000172971 2.074475e+00   -0.6533051415 1.41650859 -4.612080e-01
## ENSG00000172974 3.267363e+00    1.0580180436 1.28868013 8.210090e-01
## ENSG00000172977 5.258028e+02    0.1221013671 0.11942617 1.022400e+00
## ENSG00000172985 8.077075e+02    0.9027748677 0.18856284 4.787660e+00
## ENSG00000172986 7.674008e+02   -1.6419440064 0.19024486 -8.630688e+00
## ENSG00000172987 1.721531e+00    1.5228743031 1.85176492 8.223907e-01
## ENSG00000172992 5.346180e+02   -0.2224328101 0.12392885 -1.794843e+00
## ENSG00000172995 1.011820e+00    3.5419695886 2.59617397 1.364304e+00
## ENSG00000173011 4.601979e+02   -0.1186544369 0.15494116 -7.658032e-01
## ENSG00000173013 3.326242e+01   -0.0498094658 0.34062936 -1.462278e-01
## ENSG00000173020 7.226623e+02    0.2697428755 0.14245547 1.893524e+00
## ENSG00000173039 1.405053e+03    0.2328250432 0.08390728 2.774790e+00
## ENSG00000173040 4.644425e+02    0.3242755596 0.11838738 2.739106e+00
## ENSG00000173041 8.298693e+01   -0.0272622173 0.23494303 -1.160376e-01
## ENSG00000173064 1.351722e+03   -0.2162786022 0.11162725 -1.937507e+00
## ENSG00000173065 3.533383e+02    0.4096284851 0.14045234 2.916495e+00
## ENSG00000173068 2.841637e+03   -0.9651153095 0.15647266 -6.167948e+00
## ENSG00000173077 1.147155e+01   -0.2807826855 0.55797778 -5.032148e-01
## ENSG00000173080 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000173083 6.153046e+01    1.4246545901 0.59255886 2.404241e+00
## ENSG00000173085 1.510620e+02    0.5827531414 0.25397350 2.294543e+00
## ENSG00000173088 1.917406e+01   -0.8897515153 0.52287159 -1.701664e+00
## ENSG00000173093 0.000000e+00      NA          NA          NA
## ENSG00000173110 1.348773e+01   -2.5935133339 0.57317992 -4.524781e+00
## ENSG00000173113 1.022205e+03    0.1271110598 0.16190592 7.850921e-01
## ENSG00000173114 6.386851e+01   -1.0864478285 0.31700339 -3.427244e+00
## ENSG00000173120 2.445521e+03   -0.1624878548 0.09111399 -1.783347e+00
## ENSG00000173124 1.866943e+00    0.7552547914 1.14161616 6.615663e-01
## ENSG00000173137 1.136422e+02    0.0572772938 0.19601456 2.922094e-01
## ENSG00000173141 3.093836e+02   -0.1581830311 0.13123136 -1.205375e+00
## ENSG00000173145 3.561816e+02    0.0837303769 0.20776942 4.029966e-01
## ENSG00000173153 3.188017e+02    0.1586083398 0.22043991 7.195083e-01
## ENSG00000173156 2.732049e+02    0.2026187897 0.24175243 8.381252e-01
## ENSG00000173157 0.000000e+00      NA          NA          NA
## ENSG00000173163 4.141302e+02   -0.1353209558 0.38178610 -3.544418e-01
## ENSG00000173166 1.659762e+03    0.0512944052 0.25962570 1.975706e-01
## ENSG00000173171 1.245766e+03   -0.0023855357 0.09749365 -2.446863e-02
## ENSG00000173175 4.524580e+01    0.1046670587 0.43169400 2.424566e-01
## ENSG00000173193 1.434214e+03   -0.2446422371 0.09551761 -2.561227e+00
## ENSG00000173198 7.937305e+01    0.1824620443 0.23672983 7.707607e-01
## ENSG00000173200 6.608251e+01   -0.2626988351 0.23523626 -1.116745e+00
## ENSG00000173207 2.027139e+02   -0.3034324854 0.20498279 -1.480283e+00
## ENSG00000173208 7.752063e-01   -0.6969348817 2.33978905 -2.978623e-01
## ENSG00000173209 1.596675e+03    0.0910902945 0.12375127 7.360756e-01

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## ENSG00000173210 2.212311e+03 -0.2782741597 0.22685584 -1.226656e+00
## ENSG00000173212 1.030834e+01 0.1605963056 0.59659451 2.691884e-01
## ENSG00000173213 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000173214 9.775308e+01 0.1791619725 0.17767526 1.008368e+00
## ENSG00000173218 7.184107e+02 0.0451666166 0.12796317 3.529658e-01
## ENSG00000173221 1.867422e+03 1.0561868082 0.15202324 6.947535e+00
## ENSG00000173226 2.215735e+02 -0.0997874062 0.24260090 -4.113233e-01
## ENSG00000173227 1.042802e+01 -0.8364810734 0.58092496 -1.439912e+00
## ENSG00000173230 4.773208e+03 -0.0591944687 0.09192347 -6.439538e-01
## ENSG00000173231 0.000000e+00 NA NA NA
## ENSG00000173237 0.000000e+00 NA NA NA
## ENSG00000173239 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000173250 0.000000e+00 NA NA NA
## ENSG00000173253 5.833255e-01 0.3949793033 2.99149932 1.320339e-01
## ENSG00000173258 2.882645e+01 -0.6782617716 0.33414143 -2.029864e+00
## ENSG00000173261 1.141267e+00 -1.8514526286 1.59917279 -1.157756e+00
## ENSG00000173262 5.362443e+00 0.4031750435 1.12765191 3.575350e-01
## ENSG00000173264 5.933935e+02 0.1786804481 0.12931001 1.381799e+00
## ENSG00000173267 1.823980e+01 -0.4952589083 0.72093174 -6.869706e-01
## ENSG00000173269 4.683932e+01 -0.6654280738 0.44734712 -1.487498e+00
## ENSG00000173272 3.868684e+02 0.0514090147 0.15449047 3.327649e-01
## ENSG00000173273 1.929347e+03 -0.1127639465 0.10752285 -1.048744e+00
## ENSG00000173275 3.487642e+02 -0.0878883034 0.15975047 -5.501599e-01
## ENSG00000173276 2.926417e+02 0.4048300968 0.27903037 1.450846e+00
## ENSG00000173281 8.151216e+02 0.3465216102 0.18195611 1.904424e+00
## ENSG00000173285 0.000000e+00 NA NA NA
## ENSG00000173295 7.742466e+01 -0.1293306591 0.22636373 -5.713400e-01
## ENSG00000173302 0.000000e+00 NA NA NA
## ENSG00000173320 8.510437e+01 -0.7193802154 0.46753167 -1.538677e+00
## ENSG00000173327 5.543030e+02 0.2602503301 0.14605065 1.781918e+00
## ENSG00000173334 1.600117e+02 -0.2681662514 0.35645440 -7.523157e-01
## ENSG00000173335 0.000000e+00 NA NA NA
## ENSG00000173338 2.333332e+00 -0.8379569070 1.08823902 -7.700118e-01
## ENSG00000173349 0.000000e+00 NA NA NA
## ENSG00000173357 0.000000e+00 NA NA NA
## ENSG00000173366 4.641246e+00 1.7057931239 1.68981540 1.009455e+00
## ENSG00000173369 0.000000e+00 NA NA NA
## ENSG00000173372 0.000000e+00 NA NA NA
## ENSG00000173376 8.298102e+01 -0.5612302129 0.49104823 -1.142923e+00
## ENSG00000173389 6.663386e-01 0.7054351974 2.11298503 3.338572e-01
## ENSG00000173391 6.005988e+01 0.1485013949 0.55098627 2.695192e-01
## ENSG00000173401 7.066312e+00 -0.2205116871 0.62491185 -3.528685e-01
## ENSG00000173402 2.880526e+03 0.3302523266 0.20150892 1.638897e+00
## ENSG00000173404 0.000000e+00 NA NA NA
## ENSG00000173406 3.663636e+01 -1.1659391145 0.92994274 -1.253775e+00
## ENSG00000173409 2.307991e+02 0.0495640404 0.18807387 2.635350e-01
## ENSG00000173418 6.427338e+02 0.5246468197 0.13566668 3.867175e+00
## ENSG00000173421 4.035820e+01 -0.6209545140 0.62851774 -9.879666e-01
## ENSG00000173431 0.000000e+00 NA NA NA
## ENSG00000173432 2.477509e+00 4.0192418785 1.61034207 2.495893e+00
## ENSG00000173436 6.756514e+02 0.3895308898 0.27173642 1.433488e+00
## ENSG00000173442 1.341396e+03 0.1317039744 0.14315840 9.199878e-01
## ENSG00000173451 1.359763e+02 -0.1430242956 0.23895524 -5.985401e-01
## ENSG00000173452 6.128473e-01 -0.2416731170 2.45676997 -9.837027e-02

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## ENSG00000173456 1.002731e+03    0.2854484650  0.11084583  2.575184e+00
## ENSG00000173457 6.152298e+02   -0.1982815907  0.17870713  -1.109534e+00
## ENSG00000173464 1.065463e-01   -0.5479727975  3.53381154  -1.550657e-01
## ENSG00000173465 3.501151e+02   -0.1014196722  0.11440137  -8.865250e-01
## ENSG00000173467 0.000000e+00      NA          NA          NA
## ENSG00000173473 1.519932e+03   -0.2337520726  0.13268489  -1.761708e+00
## ENSG00000173480 1.909415e+02   -0.2731952589  0.17695594  -1.543860e+00
## ENSG00000173482 3.143779e+03    0.3007569067  0.14264387  2.108446e+00
## ENSG00000173486 5.734016e+02    0.1463325343  0.14650317  9.988353e-01
## ENSG00000173503 0.000000e+00      NA          NA          NA
## ENSG00000173511 1.761511e+03    0.1014740482  0.09974292  1.017356e+00
## ENSG00000173517 8.182696e+03    1.0173142698  0.14596669  6.969496e+00
## ENSG00000173530 1.571901e+03   -0.0203797934  0.16790805  -1.213747e-01
## ENSG00000173531 3.139675e+02   -0.0578721762  0.24042359  -2.407092e-01
## ENSG00000173535 1.129581e+02   -0.6024644484  0.51069748  -1.179689e+00
## ENSG00000173540 3.837109e+02   -0.1165240509  0.23922500  -4.870898e-01
## ENSG00000173542 8.488091e+02    0.0502012526  0.10877955  4.614953e-01
## ENSG00000173545 5.282565e+02    0.3603419534  0.09890740  3.643225e+00
## ENSG00000173546 1.045410e+03   -0.5222923412  0.24326315  -2.147026e+00
## ENSG00000173548 2.996292e+03    0.3715774709  0.11202987  3.316771e+00
## ENSG00000173557 0.000000e+00      NA          NA          NA
## ENSG00000173559 2.924669e+03    0.1299668960  0.24041057  5.406039e-01
## ENSG00000173567 1.876341e+01   -0.3375202181  0.51622936  -6.538183e-01
## ENSG00000173572 0.000000e+00      NA          NA          NA
## ENSG00000173575 2.817333e+03    0.0367305096  0.12864767  2.855124e-01
## ENSG00000173578 6.191870e+00    1.7807186258  1.38679109  1.284057e+00
## ENSG00000173581 2.430007e+02   -0.0971806615  0.14867552  -6.536426e-01
## ENSG00000173585 0.000000e+00      NA          NA          NA
## ENSG00000173588 1.978756e+02   -0.2798055167  0.20050837  -1.395480e+00
## ENSG00000173597 1.332157e+02   -0.1880769950  0.19773520  -9.511559e-01
## ENSG00000173598 2.959632e+03    0.7940870424  0.28283669  2.807581e+00
## ENSG00000173599 6.330777e+02    0.5162443493  0.29187366  1.768725e+00
## ENSG00000173610 1.360574e+00   -1.1180000812  1.71145878  -6.532439e-01
## ENSG00000173611 6.395755e+02   -0.5926963558  0.17323957  -3.421253e+00
## ENSG00000173612 0.000000e+00      NA          NA          NA
## ENSG00000173614 3.439537e+02   -0.1898590121  0.15409785  -1.232068e+00
## ENSG00000173621 2.911505e+02    0.5590969463  0.33834012  1.652470e+00
## ENSG00000173626 2.353154e+01   -0.0709239857  0.40548606  -1.749110e-01
## ENSG00000173627 0.000000e+00      NA          NA          NA
## ENSG00000173638 1.037208e+02    0.2280823986  0.26375977  8.647353e-01
## ENSG00000173641 6.160054e+02    0.6053185136  0.65082879  9.300734e-01
## ENSG00000173653 1.313561e+02    0.0685363728  0.21383348  3.205128e-01
## ENSG00000173660 1.320221e+03   -0.0019604132  0.17810040  -1.100735e-02
## ENSG00000173662 4.578478e+00    0.1911587663  0.81782155  2.337414e-01
## ENSG00000173673 0.000000e+00      NA          NA          NA
## ENSG00000173674 1.736540e+03    0.3279329928  0.22296366  1.470791e+00
## ENSG00000173678 5.019885e+00    0.0416758930  0.81236514  5.130192e-02
## ENSG00000173679 0.000000e+00      NA          NA          NA
## ENSG00000173681 3.409320e+02   -0.0231963149  0.12071120  -1.921637e-01
## ENSG00000173692 2.500989e+03    0.1089829044  0.11745465  9.278722e-01
## ENSG00000173698 1.825691e+01    0.0870304381  0.45455402  1.914634e-01
## ENSG00000173699 2.749668e-01    0.1733657147  3.53381154  4.905913e-02
## ENSG00000173702 9.899842e-01   -1.3471854642  2.33158113  -5.777991e-01
## ENSG00000173705 8.931345e+01    0.8055610371  0.37948325  2.122784e+00

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## ENSG00000173706 1.224571e+04    0.6722128771 0.20332727 3.306063e+00
## ENSG00000173714 5.183652e+00   -0.1500585839 0.85959128 -1.745697e-01
## ENSG00000173715 7.630418e+01    0.2302579051 0.45330889 5.079492e-01
## ENSG00000173726 2.943864e+03    0.0549898925 0.14021649 3.921785e-01
## ENSG00000173728 6.279261e-01    0.8244382293 2.44908374 3.366313e-01
## ENSG00000173744 1.810660e+03    0.3559174419 0.20955595 1.698436e+00
## ENSG00000173757 1.550007e+03    0.4717078530 0.08666823 5.442685e+00
## ENSG00000173762 1.002730e+01    0.6644492988 0.57536571 1.154830e+00
## ENSG00000173769 0.000000e+00      NA        NA        NA
## ENSG00000173786 2.487218e+03    0.1644295117 0.12877863 1.276838e+00
## ENSG00000173801 2.494619e+02    0.2279984595 0.29588312 7.705693e-01
## ENSG00000173805 6.677786e+00   -0.5296727918 0.65895241 -8.038104e-01
## ENSG00000173809 6.578683e+00   -0.2850589137 0.68173055 -4.181402e-01
## ENSG00000173810 0.000000e+00      NA        NA        NA
## ENSG00000173812 6.461236e+03    0.1421656295 0.14051235 1.011766e+00
## ENSG00000173818 3.961736e+02   -0.1221828099 0.14662864 -8.332807e-01
## ENSG00000173821 6.298216e+03    0.1774828505 0.07220952 2.457887e+00
## ENSG00000173825 1.858934e+00    0.0523463060 1.23173076 4.249817e-02
## ENSG00000173826 3.040188e+00   -1.1689703687 0.95980804 -1.217921e+00
## ENSG00000173838 6.861059e+01    3.4234952488 0.39996144 8.559563e+00
## ENSG00000173846 2.011038e+02   -0.2658458691 0.14705999 -1.807738e+00
## ENSG00000173848 4.488164e+02   -0.1432456350 0.15098303 -9.487532e-01
## ENSG00000173852 1.463805e+03   -0.1614052275 0.14842183 -1.087476e+00
## ENSG00000173868 3.757619e-01    1.0649639057 3.51183976 3.032496e-01
## ENSG00000173875 5.249037e+02    0.2128793432 0.16914235 1.258581e+00
## ENSG00000173876 0.000000e+00      NA        NA        NA
## ENSG00000173889 1.654214e+03   -0.0061260492 0.21175221 -2.893027e-02
## ENSG00000173890 2.592301e+01    0.1913112272 0.47754020 4.006181e-01
## ENSG00000173894 3.905217e+01    0.2086149094 0.51873664 4.021596e-01
## ENSG00000173898 2.006138e+01   -0.2631496479 0.47928028 -5.490517e-01
## ENSG00000173905 2.601767e+03   -0.3427330663 0.15990263 -2.143386e+00
## ENSG00000173908 0.000000e+00      NA        NA        NA
## ENSG00000173914 3.219129e+02   -0.6145089117 0.14238069 -4.315957e+00
## ENSG00000173915 6.512519e+02    0.3641626751 0.10564025 3.447196e+00
## ENSG00000173917 2.302369e+02    0.2220643877 0.16759235 1.325027e+00
## ENSG00000173918 1.004037e+03    1.2447138096 0.22904192 5.434437e+00
## ENSG00000173926 5.715562e+01   -0.0333159273 0.43811028 -7.604461e-02
## ENSG00000173928 2.589670e+01   -0.0460067042 0.39128253 -1.175792e-01
## ENSG00000173930 7.547798e+00   -0.6621688584 0.65586316 -1.009614e+00
## ENSG00000173933 1.357639e+03   -0.0330021101 0.07638312 -4.320602e-01
## ENSG00000173947 7.897457e+01   -1.2753288424 0.26085584 -4.889018e+00
## ENSG00000173950 4.325561e+02   -0.0559335132 0.15764446 -3.548080e-01
## ENSG00000173954 0.000000e+00      NA        NA        NA
## ENSG00000173960 6.596492e+02    0.2802057774 0.15234328 1.839305e+00
## ENSG00000173966 0.000000e+00      NA        NA        NA
## ENSG00000173976 6.860360e-01    0.1917580111 2.36099178 8.121926e-02
## ENSG00000173988 2.407291e+00    0.1890382565 1.33673939 1.414174e-01
## ENSG00000173991 7.282425e+00   -0.2005780371 0.67917506 -2.953260e-01
## ENSG00000173992 5.465998e+02   -0.2117352298 0.11762136 -1.800143e+00
## ENSG00000174004 8.616758e+00   -0.0317254729 0.67392890 -4.707540e-02
## ENSG00000174007 9.771314e+01    0.0993740225 0.19314371 5.145082e-01
## ENSG00000174010 2.461741e+02    0.0061526949 0.14455564 4.256282e-02
## ENSG00000174013 1.690679e+02    0.0304740137 0.15050174 2.024828e-01
## ENSG00000174015 0.000000e+00      NA        NA        NA

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## ENSG00000174016 0.000000e+00 NA NA NA
## ENSG00000174021 1.153483e+03 0.3398207509 0.17979427 1.890053e+00
## ENSG00000174028 2.095694e+02 0.2698838973 0.38208541 7.063444e-01
## ENSG00000174032 3.008830e+02 -0.1821711808 0.27091592 -6.724270e-01
## ENSG00000174038 3.380940e+00 -0.7595578638 1.36211927 -5.576295e-01
## ENSG00000174059 1.036372e+02 0.1023304750 0.58416950 1.751726e-01
## ENSG00000174080 2.083429e+03 0.1054185280 0.16274215 6.477641e-01
## ENSG00000174099 3.075936e+03 0.7148720715 0.12839485 5.567763e+00
## ENSG00000174106 5.725890e+02 0.0958568126 0.12519403 7.656660e-01
## ENSG00000174109 6.905748e+01 0.1982055703 0.24528042 8.080774e-01
## ENSG00000174123 3.925119e+00 0.3106939823 0.89604279 3.467401e-01
## ENSG00000174125 7.287303e+01 -0.0752310730 0.34558401 -2.176926e-01
## ENSG00000174130 3.843675e+01 -0.4750540495 0.46262185 -1.026873e+00
## ENSG00000174132 1.565149e+02 0.4654532805 0.18140536 2.565819e+00
## ENSG00000174136 2.557449e+03 -0.9986254453 0.18419985 -5.421424e+00
## ENSG00000174137 3.069228e+01 0.1430249219 0.32453566 4.407063e-01
## ENSG00000174145 0.000000e+00 NA NA NA
## ENSG00000174151 4.608873e+02 0.2211264590 0.16296824 1.356868e+00
## ENSG00000174156 0.000000e+00 NA NA NA
## ENSG00000174165 4.105942e+02 0.0392927409 0.15039243 2.612681e-01
## ENSG00000174173 2.298851e+02 0.1544749193 0.16632299 9.287647e-01
## ENSG00000174175 0.000000e+00 NA NA NA
## ENSG00000174177 1.749939e+02 -0.0872962052 0.21377611 -4.083534e-01
## ENSG00000174197 8.085063e+02 -0.1093585408 0.12950991 -8.444029e-01
## ENSG00000174206 8.661667e+01 -0.1949560188 0.28970318 -6.729509e-01
## ENSG00000174225 1.656644e+00 0.8959161492 1.26582012 7.077752e-01
## ENSG00000174226 5.730502e-01 -0.4816467146 2.46918380 -1.950631e-01
## ENSG00000174227 1.055732e+03 0.1224785648 0.10809628 1.133051e+00
## ENSG00000174231 3.901422e+03 0.1125749909 0.08585485 1.311225e+00
## ENSG00000174233 2.014278e+03 0.0053369254 0.11538009 4.625517e-02
## ENSG00000174236 5.987213e+00 -1.3854658647 0.88285142 -1.569308e+00
## ENSG00000174238 1.713396e+03 0.2627969528 0.15694275 1.674477e+00
## ENSG00000174243 1.551958e+03 0.0984421778 0.11531730 8.536636e-01
## ENSG00000174255 3.568285e+00 0.2396997740 0.85866450 2.791542e-01
## ENSG00000174276 8.682644e+01 0.1151950957 0.22082115 5.216669e-01
## ENSG00000174279 0.000000e+00 NA NA NA
## ENSG00000174282 4.042184e+03 -0.0462276448 0.06394056 -7.229784e-01
## ENSG00000174292 9.957620e+01 0.3056759988 0.50051158 6.107271e-01
## ENSG00000174306 3.453200e+03 1.1070665540 0.15047683 7.357057e+00
## ENSG00000174307 2.074430e+03 -0.2106004880 0.16860474 -1.249078e+00
## ENSG00000174325 1.890251e+01 -0.7230215992 0.48147324 -1.501686e+00
## ENSG00000174326 1.304395e+01 0.9707308620 0.70568525 1.375586e+00
## ENSG00000174327 3.111203e+01 -0.6940041871 0.33413669 -2.077007e+00
## ENSG00000174332 1.186011e+02 0.2500848082 0.55946885 4.470040e-01
## ENSG00000174339 0.000000e+00 NA NA NA
## ENSG00000174343 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000174348 1.064195e+04 -0.3515539982 0.15321867 -2.294459e+00
## ENSG00000174353 2.589800e+02 -0.1732151077 0.14720215 -1.176716e+00
## ENSG00000174358 0.000000e+00 NA NA NA
## ENSG00000174370 6.037670e+01 -0.5483489259 0.24789187 -2.212049e+00
## ENSG00000174371 1.718155e+01 0.4391097593 0.68018240 6.455765e-01
## ENSG00000174373 6.445157e+02 0.0955395137 0.13438372 7.109456e-01
## ENSG00000174384 4.147880e+01 0.0486477747 0.29942942 1.624683e-01
## ENSG00000174405 3.398236e+02 0.1346879497 0.14458862 9.315253e-01

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## ENSG00000174408	0.000000e+00	NA	NA	NA
## ENSG00000174417	2.855509e-01	0.6955464566	3.52545350	1.972928e-01
## ENSG00000174418	0.000000e+00	NA	NA	NA
## ENSG00000174428	7.957521e+02	-0.0221880592	0.16272027	-1.363571e-01
## ENSG00000174429	1.111525e+00	0.1783466836	2.14506681	8.314272e-02
## ENSG00000174437	1.062388e+04	1.3536000589	0.20756995	6.521175e+00
## ENSG00000174442	2.929335e+02	-0.2488135992	0.21713087	-1.145915e+00
## ENSG00000174444	3.054065e+04	-0.0504342150	0.14897895	-3.385325e-01
## ENSG00000174446	2.319489e+02	-0.0867882908	0.17862584	-4.858664e-01
## ENSG00000174448	4.433521e+00	-0.3473642139	0.75361025	-4.609335e-01
## ENSG00000174450	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000174453	1.426296e+00	2.3759970985	1.81955071	1.305815e+00
## ENSG00000174456	2.851240e+02	0.3189853312	0.14021522	2.274969e+00
## ENSG00000174460	0.000000e+00	NA	NA	NA
## ENSG00000174469	1.718445e+00	1.8442242747	2.09603533	8.798632e-01
## ENSG00000174473	1.819525e+00	-2.4545822885	1.77069258	-1.386227e+00
## ENSG00000174482	5.260727e-01	2.6131096939	3.46161979	7.548806e-01
## ENSG00000174483	1.143906e+03	-0.0873984656	0.09968937	-8.767079e-01
## ENSG00000174485	1.173276e+03	0.1898495945	0.14323903	1.325404e+00
## ENSG00000174495	0.000000e+00	NA	NA	NA
## ENSG00000174498	1.801053e+00	-1.2753229013	1.25713393	-1.014469e+00
## ENSG00000174500	2.660531e+00	-0.4473604270	1.34838144	-3.317759e-01
## ENSG00000174501	1.352443e+02	-0.6259770957	0.22921494	-2.730961e+00
## ENSG00000174502	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000174514	1.994668e+01	-1.1698996431	0.60325534	-1.939311e+00
## ENSG00000174516	2.635913e+02	0.0410379096	0.14839291	2.765490e-01
## ENSG00000174521	9.867472e-01	1.5680353063	2.75989524	5.681503e-01
## ENSG00000174527	8.519472e+00	0.4133401866	0.73697689	5.608591e-01
## ENSG00000174529	1.990744e+01	-0.2075713569	0.40601176	-5.112447e-01
## ENSG00000174547	4.685615e+02	-0.0192889030	0.13634492	-1.414714e-01
## ENSG00000174562	0.000000e+00	NA	NA	NA
## ENSG00000174564	5.265205e+01	-0.6650137270	0.27133780	-2.450870e+00
## ENSG00000174567	3.648626e-01	-1.8995343260	3.25889304	-5.828772e-01
## ENSG00000174572	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000174574	9.208638e+02	0.2684925925	0.20163803	1.331557e+00
## ENSG00000174576	3.137554e+00	2.5172439213	1.09220034	2.304746e+00
## ENSG00000174579	3.319710e+02	0.1226820879	0.11087311	1.106509e+00
## ENSG00000174586	1.602014e+02	0.1271436425	0.31585398	4.025393e-01
## ENSG00000174599	7.209830e+01	-0.3358740201	0.27480857	-1.222211e+00
## ENSG00000174600	2.237545e+00	-1.1553000000	1.33220366	-8.672098e-01
## ENSG00000174606	5.280176e+02	0.1199148322	0.11083508	1.081921e+00
## ENSG00000174607	1.661827e+01	-0.0080251261	0.44710463	-1.794910e-02
## ENSG00000174611	2.253381e+00	-1.2215050256	1.42423571	-8.576565e-01
## ENSG00000174628	2.007362e+02	0.1949100161	0.19921002	9.784147e-01
## ENSG00000174640	8.898530e-01	1.6303034026	2.30764142	7.064804e-01
## ENSG00000174652	6.175688e+02	-0.2317418429	0.26904449	-8.613514e-01
## ENSG00000174667	0.000000e+00	NA	NA	NA
## ENSG00000174669	2.152288e+01	-0.5302474300	0.44785160	-1.183980e+00
## ENSG00000174672	7.134991e+00	-1.4118787134	0.77212835	-1.828554e+00
## ENSG00000174677	0.000000e+00	NA	NA	NA
## ENSG00000174678	0.000000e+00	NA	NA	NA
## ENSG00000174684	8.127722e+02	0.1187681381	0.16542783	7.179453e-01
## ENSG00000174695	2.194067e+03	0.2332986535	0.11961816	1.950361e+00
## ENSG00000174697	1.223234e+02	3.0292321242	0.57171106	5.298537e+00

```

## ENSG00000174705 3.943447e+03    0.6661918661 0.23972680 2.778963e+00
## ENSG00000174715 1.862932e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000174718 4.159102e+02    -0.0418211712 0.19107415 -2.188740e-01
## ENSG00000174720 9.845359e+02    -0.1101328966 0.11213917 -9.821091e-01
## ENSG00000174721 1.379086e+01    -0.9978839726 0.49116557 -2.031665e+00
## ENSG00000174738 1.125699e+03    -0.6401591623 0.16536572 -3.871172e+00
## ENSG00000174740 1.074354e+02    0.1471880728 0.18842314 7.811571e-01
## ENSG00000174744 5.056187e+02    0.3042600911 0.13725251 2.216791e+00
## ENSG00000174748 1.908994e+04    -0.0849786925 0.11491816 -7.394714e-01
## ENSG00000174749 4.253648e+02    0.0237453245 0.11595347 2.047832e-01
## ENSG00000174775 1.885240e+02    0.4480378099 0.22108264 2.026563e+00
## ENSG00000174776 0.000000e+00      NA          NA          NA
## ENSG00000174780 2.144808e+03    -0.2493501009 0.09400333 -2.652567e+00
## ENSG00000174788 7.263068e-01    -0.4715709443 2.95036401 -1.598348e-01
## ENSG00000174791 2.383431e+02    -0.5635802370 0.20916995 -2.694365e+00
## ENSG00000174792 4.423824e+00    0.7777877744 1.18726931 6.551064e-01
## ENSG00000174796 2.767722e+02    -0.3130860367 0.15416780 -2.030813e+00
## ENSG00000174799 1.900510e+02    -0.2182077255 0.26120638 -8.353844e-01
## ENSG00000174804 1.718719e+03    0.8073138866 0.25801541 3.128937e+00
## ENSG00000174807 1.310967e+04    -0.6677945205 0.28384346 -2.352686e+00
## ENSG00000174808 4.740340e+01    1.0495722897 0.57808907 1.815589e+00
## ENSG00000174827 2.384947e+01    -0.6668553590 0.37050473 -1.799857e+00
## ENSG00000174837 2.849574e+00    -2.1255653523 1.27975316 -1.660918e+00
## ENSG00000174839 3.121888e+02    0.5133512695 0.27630017 1.857948e+00
## ENSG00000174840 4.778260e+02    0.1912697126 0.13458175 1.421216e+00
## ENSG00000174842 1.288213e+02    0.0088481029 0.21539613 4.107828e-02
## ENSG00000174844 8.617228e+00    -0.3989329901 0.95029937 -4.197972e-01
## ENSG00000174851 7.522983e+02    0.0445043396 0.15368932 2.895734e-01
## ENSG00000174871 3.525826e+00    -0.2371696441 1.04665956 -2.265967e-01
## ENSG00000174876 5.861193e-01    -0.5100660155 2.12896140 -2.395844e-01
## ENSG00000174885 4.411604e-01    0.1383509203 2.60704103 5.306818e-02
## ENSG00000174886 1.506481e+03    -0.0281154719 0.10557998 -2.662955e-01
## ENSG00000174891 4.057381e+02    -0.2302269468 0.21362697 -1.077705e+00
## ENSG00000174898 2.286975e-01    -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000174899 2.852209e+02    0.8174727511 0.29859707 2.737712e+00
## ENSG00000174903 2.791047e+03    0.0232814756 0.08409277 2.768547e-01
## ENSG00000174912 5.285607e+00    -0.2496557253 1.23354325 -2.023891e-01
## ENSG00000174914 0.000000e+00      NA          NA          NA
## ENSG00000174915 3.547883e+02    -0.1562735420 0.14918584 -1.047509e+00
## ENSG00000174917 4.606120e+02    0.1956079429 0.16576513 1.180031e+00
## ENSG00000174928 5.327298e+01    0.1364639231 0.37875104 3.602998e-01
## ENSG00000174930 0.000000e+00      NA          NA          NA
## ENSG00000174937 0.000000e+00      NA          NA          NA
## ENSG00000174938 5.867865e+02    0.0913334775 0.26632460 3.429405e-01
## ENSG00000174939 7.183703e+01    0.3615623587 0.31461763 1.149212e+00
## ENSG00000174942 0.000000e+00      NA          NA          NA
## ENSG00000174943 1.491635e+02    -0.0353004204 0.22081170 -1.598666e-01
## ENSG00000174944 2.208871e+01    1.6010952003 0.43548662 3.676566e+00
## ENSG00000174945 1.212102e+01    -1.1210885241 0.62869554 -1.783198e+00
## ENSG00000174946 0.000000e+00      NA          NA          NA
## ENSG00000174948 0.000000e+00      NA          NA          NA
## ENSG00000174950 0.000000e+00      NA          NA          NA
## ENSG00000174951 1.259005e+01    0.3301351130 0.66053472 4.997998e-01
## ENSG00000174953 1.001497e+03    0.1037738954 0.11334214 9.155809e-01

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## ENSG00000174957	0.000000e+00	NA	NA	NA
## ENSG00000174963	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000174970	0.000000e+00	NA	NA	NA
## ENSG00000174977	5.856791e-01	0.5076363868	3.49911531	1.450756e-01
## ENSG00000174982	0.000000e+00	NA	NA	NA
## ENSG00000174989	5.593603e+02	-0.1081682489	0.22848354	-4.734181e-01
## ENSG00000174990	1.861531e+01	0.7647418056	0.50110397	1.526114e+00
## ENSG00000174992	1.857858e+00	0.2489508251	1.48007519	1.682015e-01
## ENSG00000174996	5.112705e+02	0.2784411995	0.19639850	1.417736e+00
## ENSG00000175003	5.921159e+00	0.1039254009	0.97894507	1.061606e-01
## ENSG00000175018	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000175029	1.642731e+03	0.0834065514	0.12146026	6.866983e-01
## ENSG00000175040	3.098692e+02	-0.1809296749	0.23616417	-7.661182e-01
## ENSG00000175048	2.231329e+02	-0.5513622454	0.20935150	-2.633667e+00
## ENSG00000175054	5.516728e+02	-0.0319246466	0.10920218	-2.923444e-01
## ENSG00000175063	1.330131e+01	0.3701685268	0.59436627	6.227953e-01
## ENSG00000175065	0.000000e+00	NA	NA	NA
## ENSG00000175066	9.181221e+02	0.5768188316	0.29000780	1.988977e+00
## ENSG00000175073	7.224650e+02	0.2745992376	0.09056979	3.031908e+00
## ENSG00000175077	3.784042e-01	-1.9467769604	3.47859745	-5.596442e-01
## ENSG00000175084	1.368681e+02	0.0145439321	0.42108485	3.453920e-02
## ENSG00000175087	6.581410e+01	-0.2335913213	0.26516172	-8.809391e-01
## ENSG00000175093	0.000000e+00	NA	NA	NA
## ENSG00000175097	2.259036e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000175104	2.733189e+02	0.1414897987	0.15521495	9.115732e-01
## ENSG00000175105	4.758832e+02	0.1565452525	0.09774283	1.601603e+00
## ENSG00000175106	9.949159e+01	-0.5718545928	0.29049213	-1.968572e+00
## ENSG00000175110	4.556248e+02	0.0397803423	0.10245381	3.882759e-01
## ENSG00000175115	2.212917e+03	-0.0390847293	0.08519238	-4.587820e-01
## ENSG00000175121	0.000000e+00	NA	NA	NA
## ENSG00000175130	6.281094e+02	-1.1104180846	0.17886127	-6.208264e+00
## ENSG00000175137	6.765856e+02	0.0716861155	0.11355539	6.312876e-01
## ENSG00000175143	0.000000e+00	NA	NA	NA
## ENSG00000175155	6.036853e+02	0.2132920190	0.18782516	1.135588e+00
## ENSG00000175161	2.986207e+00	0.2103742407	1.11223541	1.891454e-01
## ENSG00000175164	6.282209e+00	-0.3254157257	0.68614066	-4.742697e-01
## ENSG00000175166	4.221160e+03	-0.0522429885	0.11342786	-4.605834e-01
## ENSG00000175170	5.534136e+00	-0.0580673476	0.74804655	-7.762531e-02
## ENSG00000175175	2.910022e+00	-0.8541745494	0.93270118	-9.158073e-01
## ENSG00000175182	2.816257e+02	0.4683841297	0.20581248	2.275781e+00
## ENSG00000175183	4.088789e+02	0.0287499710	0.34989549	8.216731e-02
## ENSG00000175189	1.825104e+00	1.5081853599	1.45536027	1.036297e+00
## ENSG00000175193	4.639109e+02	0.2342151372	0.13447833	1.741657e+00
## ENSG00000175197	6.442679e+02	-1.0370546325	0.18015002	-5.756617e+00
## ENSG00000175198	3.120205e+02	0.0814925474	0.21964869	3.710131e-01
## ENSG00000175202	0.000000e+00	NA	NA	NA
## ENSG00000175203	2.946417e+03	0.1001776932	0.11391949	8.793727e-01
## ENSG00000175206	4.394170e+00	-0.9174190075	0.89255671	-1.027855e+00
## ENSG00000175213	1.874013e+02	-0.1996106795	0.17035232	-1.171752e+00
## ENSG00000175215	7.542965e+03	-0.0090089727	0.11351385	-7.936453e-02
## ENSG00000175216	2.977074e+03	-0.1422632440	0.08453604	-1.682871e+00
## ENSG00000175220	4.764588e+03	0.3091826579	0.13998627	2.208664e+00
## ENSG00000175221	8.014314e+02	0.0853826274	0.17208668	4.961606e-01
## ENSG00000175224	1.981129e+03	0.2679188083	0.12721184	2.106084e+00

```

## ENSG00000175229 4.170691e-01    1.2159985350 3.15334637 3.856216e-01
## ENSG00000175262 2.486049e+00   -0.7387697278 1.25138095 -5.903636e-01
## ENSG00000175264 3.788766e-01   -1.9484404732 3.47848934 -5.601398e-01
## ENSG00000175265 1.268993e+03   -0.1553178295 0.30528198 -5.087684e-01
## ENSG00000175267 8.395413e+00   -0.6859421608 0.82587395 -8.305652e-01
## ENSG00000175274 4.431280e+03    0.2326798891 0.18210154 1.277748e+00
## ENSG00000175279 1.519090e+02   -0.1044469801 0.20851656 -5.009050e-01
## ENSG00000175283 4.309779e+02    0.1653899866 0.11403346 1.450364e+00
## ENSG00000175287 4.890975e+02   -0.0124794694 0.16346272 -7.634444e-02
## ENSG00000175294 9.031364e-01    2.4749248935 2.70308335 9.155933e-01
## ENSG00000175302 0.000000e+00      NA          NA          NA
## ENSG00000175305 1.877501e+01    0.2596655971 0.47370981 5.481533e-01
## ENSG00000175309 5.886953e+02   -0.0440005464 0.13707632 -3.209930e-01
## ENSG00000175311 3.764703e+00   -1.1468715705 0.85247438 -1.345344e+00
## ENSG00000175315 1.679917e+00    0.1178721196 1.52092254 7.750041e-02
## ENSG00000175318 5.346804e+00   -1.6119899553 1.00316699 -1.606901e+00
## ENSG00000175319 0.000000e+00      NA          NA          NA
## ENSG00000175322 1.078400e+02   -0.0304070256 0.18996488 -1.600666e-01
## ENSG00000175324 5.051545e+02    0.3858113860 0.11896110 3.243173e+00
## ENSG00000175325 0.000000e+00      NA          NA          NA
## ENSG00000175329 0.000000e+00      NA          NA          NA
## ENSG00000175334 1.008787e+03   -0.1581368046 0.11705150 -1.351002e+00
## ENSG00000175336 1.401572e+00   -0.8196330163 1.65929586 -4.939644e-01
## ENSG00000175344 6.058576e+00   -1.8316642974 1.33769790 -1.369266e+00
## ENSG00000175348 1.310558e+03    0.3954583175 0.12516584 3.159475e+00
## ENSG00000175352 1.618862e+02    0.2002633029 0.27354139 7.321134e-01
## ENSG00000175354 2.952935e+02   -0.0382919931 0.14038981 -2.727548e-01
## ENSG00000175356 9.839731e+01    0.4610039754 0.52376150 8.801792e-01
## ENSG00000175376 2.996081e+02    0.0604772769 0.13002883 4.651067e-01
## ENSG00000175387 1.602438e+03   -0.0321554646 0.08992469 -3.575822e-01
## ENSG00000175390 2.257448e+03    0.0391546256 0.10093665 3.879129e-01
## ENSG00000175393 0.000000e+00      NA          NA          NA
## ENSG00000175395 3.949020e+02    0.0238814266 0.18216876 1.310951e-01
## ENSG00000175398 0.000000e+00      NA          NA          NA
## ENSG00000175414 5.978383e+02   -0.0503781076 0.22771785 -2.212304e-01
## ENSG00000175416 9.228814e+02    0.3552027721 0.14282870 2.486915e+00
## ENSG00000175426 1.558757e+01    0.2174153962 0.66720148 3.258617e-01
## ENSG00000175445 1.617736e+01    0.1335971704 1.59003262 8.402165e-02
## ENSG00000175449 2.756743e+01    0.1212386140 0.37231665 3.256331e-01
## ENSG00000175455 1.855898e+03   -0.2945259599 0.13589555 -2.167297e+00
## ENSG00000175463 2.318549e+01    0.0996124999 0.46583728 2.138354e-01
## ENSG00000175467 1.063596e+03    0.0232582069 0.13254299 1.754767e-01
## ENSG00000175470 5.130354e+02    0.0022368557 0.13076958 1.710532e-02
## ENSG00000175471 1.579210e+02    1.8159329513 0.46506417 3.904693e+00
## ENSG00000175482 6.937861e+02    0.8803713466 0.14180824 6.208182e+00
## ENSG00000175485 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000175489 1.096861e+01   -2.0879032528 0.69494842 -3.004400e+00
## ENSG00000175497 1.564843e+00    0.7628308292 1.35943958 5.611362e-01
## ENSG00000175505 1.272641e+02   -0.0744055256 0.19572414 -3.801551e-01
## ENSG00000175509 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000175513 9.448112e+00   -1.1419905193 0.62365517 -1.831125e+00
## ENSG00000175514 0.000000e+00      NA          NA          NA
## ENSG00000175518 1.054133e+01    0.1574804730 0.50300128 3.130817e-01
## ENSG00000175520 0.000000e+00      NA          NA          NA

```

## ENSG00000175535	0.000000e+00	NA	NA	NA
## ENSG00000175536	1.082298e+01	-0.1520364040	0.62742641	-2.423175e-01
## ENSG00000175538	1.584021e+02	-1.2314863684	0.25042094	-4.917665e+00
## ENSG00000175544	4.603203e+00	-1.2265104930	1.09370744	-1.121425e+00
## ENSG00000175548	2.256689e+02	-0.0739011670	0.15950499	-4.633157e-01
## ENSG00000175550	1.305529e+03	-0.2437327716	0.10426716	-2.337579e+00
## ENSG00000175556	2.994313e+00	0.7789131567	1.14267019	6.816605e-01
## ENSG00000175564	1.126942e+01	0.3814117791	0.56420689	6.760140e-01
## ENSG00000175567	4.443050e+01	-0.1354829970	0.43471843	-3.116569e-01
## ENSG00000175573	1.092447e+03	-0.0957727304	0.11129354	-8.605417e-01
## ENSG00000175575	3.363174e+02	-0.1441252256	0.12902399	-1.117042e+00
## ENSG00000175581	1.925658e+02	-0.3489513231	0.18970180	-1.839473e+00
## ENSG00000175582	2.689262e+03	0.1964395422	0.08766705	2.240746e+00
## ENSG00000175591	1.137216e+00	-0.0789412136	2.16344250	-3.648870e-02
## ENSG00000175592	2.900262e+02	-0.4384466751	0.28355524	-1.546248e+00
## ENSG00000175595	4.078348e+02	-0.0819214688	0.17945800	-4.564938e-01
## ENSG00000175600	2.483187e+02	0.7465428486	0.27796526	2.685742e+00
## ENSG00000175602	7.525322e+02	-0.3697686501	0.25367664	-1.457638e+00
## ENSG00000175606	3.256038e+02	0.2743167304	0.17603269	1.558328e+00
## ENSG00000175619	0.000000e+00	NA	NA	NA
## ENSG00000175634	4.883602e+02	0.0202577948	0.14670679	1.380836e-01
## ENSG00000175643	8.541099e+01	-0.2499634213	0.33956425	-7.361300e-01
## ENSG00000175646	0.000000e+00	NA	NA	NA
## ENSG00000175658	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000175662	1.465086e+03	0.0242303851	0.13323618	1.818604e-01
## ENSG00000175664	3.063546e+00	0.6889351897	1.11056916	6.203442e-01
## ENSG00000175676	0.000000e+00	NA	NA	NA
## ENSG00000175691	4.313827e+01	-0.1163991111	0.33784208	-3.445370e-01
## ENSG00000175697	6.957684e+00	0.1547603181	0.86159218	1.796213e-01
## ENSG00000175701	1.376372e+02	0.0004028826	0.20974187	1.920850e-03
## ENSG00000175707	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000175711	4.939826e+01	0.1087486897	0.55578794	1.956658e-01
## ENSG00000175718	0.000000e+00	NA	NA	NA
## ENSG00000175727	1.126867e+03	0.1836758344	0.19094052	9.619532e-01
## ENSG00000175730	1.224851e+00	2.0481387256	1.67181627	1.225098e+00
## ENSG00000175741	0.000000e+00	NA	NA	NA
## ENSG00000175745	3.904037e+03	-0.5042383756	0.21381256	-2.358320e+00
## ENSG00000175749	6.283714e-01	-0.3800021722	2.45796252	-1.546005e-01
## ENSG00000175756	6.720356e+02	0.1604355918	0.14175449	1.131785e+00
## ENSG00000175764	1.167975e+02	-0.4995696094	0.28436314	-1.756802e+00
## ENSG00000175766	0.000000e+00	NA	NA	NA
## ENSG00000175768	5.471196e+02	0.1370189869	0.12763010	1.073563e+00
## ENSG00000175779	0.000000e+00	NA	NA	NA
## ENSG00000175782	5.567564e+02	0.2908285333	0.14967813	1.943026e+00
## ENSG00000175785	2.614253e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000175787	4.911972e+01	0.3217559466	0.30623639	1.050678e+00
## ENSG00000175792	6.094059e+02	0.1135153422	0.12562592	9.035981e-01
## ENSG00000175793	2.469006e+00	0.1953196551	1.22084289	1.599875e-01
## ENSG00000175800	2.380645e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000175806	2.056585e+02	-0.0468819553	0.25849683	-1.813638e-01
## ENSG00000175809	0.000000e+00	NA	NA	NA
## ENSG00000175820	2.011618e+00	-1.2970167688	1.60824012	-8.064820e-01
## ENSG00000175826	1.728121e+03	-0.0690530410	0.08467736	-8.154841e-01
## ENSG00000175832	4.642969e+01	-0.2619185610	0.40379054	-6.486496e-01

```

## ENSG00000175841 8.973850e-02    0.8946997229 3.53381154  2.531826e-01
## ENSG00000175854 3.004882e+02   -0.1629828420 0.13008783 -1.252868e+00
## ENSG00000175857 3.349857e-01   -0.6310698606 3.52264070 -1.791468e-01
## ENSG00000175866 2.727865e+02   -0.2784442961 0.33046571 -8.425815e-01
## ENSG00000175868 1.229650e+00    0.1090624615 1.42895419  7.632327e-02
## ENSG00000175874 6.523497e+00    0.2670338807 0.69716739  3.830269e-01
## ENSG00000175877 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000175879 5.549001e+00   -0.2652371201 1.35889650 -1.951857e-01
## ENSG00000175886 1.273658e+00   -0.2227837224 1.83591758 -1.213473e-01
## ENSG00000175893 4.042290e+02    0.3584976338 0.17811754  2.012703e+00
## ENSG00000175894 7.396864e+00   -0.0505910054 1.03147192 -4.904739e-02
## ENSG00000175895 1.732962e+02    0.2944289921 0.17381668  1.693905e+00
## ENSG00000175899 2.349783e+04    0.2764642506 0.85346136  3.239329e-01
## ENSG00000175906 1.954276e+02   -0.0207487971 0.24602059 -8.433765e-02
## ENSG00000175920 1.272556e+00    0.8576372747 1.64523447  5.212857e-01
## ENSG00000175928 1.286285e+01   -2.3849108173 0.69391699 -3.436882e+00
## ENSG00000175931 5.191271e+02    0.3495286869 0.15937749  2.193087e+00
## ENSG00000175938 1.118264e+03    0.3034807934 0.19287003  1.573499e+00
## ENSG00000175946 4.380340e+01    1.0039969437 0.28187504  3.561851e+00
## ENSG00000175970 2.098940e+03    0.3716473143 0.16682228  2.227804e+00
## ENSG00000175984 9.473715e+01    0.0625887184 0.27449433  2.280146e-01
## ENSG00000175985 1.087065e+01   -0.7249726129 0.55135916 -1.314883e+00
## ENSG00000176007 0.000000e+00      NA        NA        NA
## ENSG00000176009 9.733443e-01   -0.7052911001 1.69053516 -4.171999e-01
## ENSG00000176014 3.524190e+03    0.2868223989 0.22024859  1.302267e+00
## ENSG00000176018 5.470294e+02   -0.0398072427 0.12137051 -3.279812e-01
## ENSG00000176020 4.047899e+00   -3.5666785488 1.84672976 -1.931348e+00
## ENSG00000176022 4.163447e+02    0.0663802981 0.18560929  3.576346e-01
## ENSG00000176024 7.290702e+01   -0.3800188425 0.34537750 -1.100300e+00
## ENSG00000176029 2.877639e+00    0.0954930767 0.96895493  9.855265e-02
## ENSG00000176040 3.674992e-01   -0.5488902050 3.29256405 -1.667060e-01
## ENSG00000176043 0.000000e+00      NA        NA        NA
## ENSG00000176046 2.868978e+03   -0.3067046440 0.17510152 -1.751582e+00
## ENSG00000176049 2.626141e+00    0.0602330369 1.21918055  4.940453e-02
## ENSG00000176054 6.690031e+00   -0.0963168014 0.61533184 -1.565282e-01
## ENSG00000176055 1.177249e+02   -0.2370341378 0.17004059 -1.393986e+00
## ENSG00000176058 1.775407e+02    0.0496007653 0.37251543  1.331509e-01
## ENSG00000176076 4.885686e+00   -0.9825712868 0.90856329 -1.081456e+00
## ENSG00000176083 4.712517e-01    0.1007681342 2.57255260  3.917049e-02
## ENSG00000176087 1.012416e+03    0.0679845426 0.13107086  5.186854e-01
## ENSG00000176092 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000176095 1.410317e+03    0.0954345636 0.11197647  8.522734e-01
## ENSG00000176101 4.691913e+02    0.2780339346 0.14123908  1.968534e+00
## ENSG00000176102 4.431931e+02   -0.0215961538 0.16377275 -1.318666e-01
## ENSG00000176105 1.224985e+03   -0.2056233685 0.09805490 -2.097023e+00
## ENSG00000176108 3.117430e+02   -0.3139045813 0.19587478 -1.602578e+00
## ENSG00000176115 0.000000e+00      NA        NA        NA
## ENSG00000176124 6.603030e+01   -0.2786705344 0.28622699 -9.735998e-01
## ENSG00000176125 1.381320e+01    0.6992982231 0.45373483  1.541205e+00
## ENSG00000176134 1.548918e+00   -0.0316959517 1.32166971 -2.398175e-02
## ENSG00000176136 2.130927e-01   -1.2312738004 3.52871919 -3.489294e-01
## ENSG00000176142 8.640947e+02    0.0321761563 0.11998947  2.681582e-01
## ENSG00000176148 4.906337e+02    0.4395052482 0.11013195  3.990715e+00
## ENSG00000176153 3.399698e+00   0.7235186206 1.04180229  6.944875e-01

```

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## ENSG00000176155 4.777886e+02    0.0564637781 0.16218868 3.481364e-01
## ENSG00000176160 2.448756e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000176165 7.673087e+00    1.4785854824 0.91101006 1.623018e+00
## ENSG00000176170 2.014415e+02    0.9429869810 0.52824625 1.785128e+00
## ENSG00000176171 2.751682e+03    0.4879384444 0.32064580 1.521737e+00
## ENSG00000176177 0.000000e+00      NA          NA          NA
## ENSG00000176182 1.193069e+02    0.0860551875 0.16871722 5.100557e-01
## ENSG00000176183 1.315182e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000176194 0.000000e+00      NA          NA          NA
## ENSG00000176198 0.000000e+00      NA          NA          NA
## ENSG00000176200 0.000000e+00      NA          NA          NA
## ENSG00000176204 7.587292e+00    -0.6867662374 0.68893575 -9.968509e-01
## ENSG00000176208 3.879654e+01    0.1652202015 0.33933824 4.868894e-01
## ENSG00000176209 3.676097e+02    0.1253677441 0.16343982 7.670575e-01
## ENSG00000176219 0.000000e+00      NA          NA          NA
## ENSG00000176222 1.020962e+02    -0.4000413362 0.26756878 -1.495097e+00
## ENSG00000176225 1.900617e+02    -0.6468272845 0.31475421 -2.055023e+00
## ENSG00000176230 0.000000e+00      NA          NA          NA
## ENSG00000176231 0.000000e+00      NA          NA          NA
## ENSG00000176232 0.000000e+00      NA          NA          NA
## ENSG00000176239 0.000000e+00      NA          NA          NA
## ENSG00000176243 0.000000e+00      NA          NA          NA
## ENSG00000176244 1.417003e+01    0.1724388939 0.64166296 2.687375e-01
## ENSG00000176246 0.000000e+00      NA          NA          NA
## ENSG00000176248 5.953103e+02    -0.0045839140 0.17594461 -2.605317e-02
## ENSG00000176253 0.000000e+00      NA          NA          NA
## ENSG00000176256 0.000000e+00      NA          NA          NA
## ENSG00000176261 2.352291e+02    0.0604439582 0.17500348 3.453872e-01
## ENSG00000176268 1.283431e+00    0.3523501665 1.74522595 2.018937e-01
## ENSG00000176269 0.000000e+00      NA          NA          NA
## ENSG00000176273 1.993325e+02    -0.0767389746 0.19706546 -3.894086e-01
## ENSG00000176281 0.000000e+00      NA          NA          NA
## ENSG00000176289 5.595379e+00    -0.4321154289 0.86284335 -5.008040e-01
## ENSG00000176290 0.000000e+00      NA          NA          NA
## ENSG00000176293 1.558102e+02    -1.1414627015 0.25169051 -4.535184e+00
## ENSG00000176294 0.000000e+00      NA          NA          NA
## ENSG00000176299 0.000000e+00      NA          NA          NA
## ENSG00000176302 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000176312 0.000000e+00      NA          NA          NA
## ENSG00000176318 0.000000e+00      NA          NA          NA
## ENSG00000176340 9.768535e+02    0.0975348995 0.14538498 6.708733e-01
## ENSG00000176343 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000176358 4.948521e+00    -1.4595787765 0.84478753 -1.727747e+00
## ENSG00000176371 1.200217e+02    -0.8090102293 0.19090111 -4.237850e+00
## ENSG00000176378 9.907790e-01    -1.3161697762 2.20950316 -5.956859e-01
## ENSG00000176381 0.000000e+00      NA          NA          NA
## ENSG00000176383 7.761724e+00    0.8961231546 0.75405259 1.188409e+00
## ENSG00000176386 3.274265e+02    0.1910060244 0.11305082 1.689559e+00
## ENSG00000176387 1.733686e+01    -1.7292370671 0.78435707 -2.204655e+00
## ENSG00000176390 2.685928e+02    0.4830507242 0.15630632 3.090411e+00
## ENSG00000176393 1.479162e+03    -0.2630785225 0.13817708 -1.903923e+00
## ENSG00000176396 1.849829e+02    0.2047684927 0.15781094 1.297556e+00
## ENSG00000176399 1.751012e+01    -1.0427779925 0.67616528 -1.542194e+00
## ENSG00000176401 4.734043e+01    0.2820111926 0.31942056 8.828837e-01

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## ENSG00000176402 1.096484e+00 -2.5102556614 2.03705445 -1.232297e+00
## ENSG00000176406 6.794505e+00 0.8119274586 0.67778194 1.197918e+00
## ENSG00000176407 9.021815e+02 0.1070364443 0.11676827 9.166570e-01
## ENSG00000176410 2.365302e+02 -0.3124587778 0.17486150 -1.786893e+00
## ENSG00000176422 1.641397e+02 0.1045966974 0.21670047 4.826787e-01
## ENSG00000176428 7.528442e+01 -0.5808300230 0.26019255 -2.232308e+00
## ENSG00000176435 3.493119e+01 -0.6508737440 1.57615104 -4.129514e-01
## ENSG00000176438 1.784155e+03 0.4721047546 0.20516971 2.301045e+00
## ENSG00000176444 3.227689e+02 0.0054956147 0.12182050 4.511240e-02
## ENSG00000176454 3.818424e+02 -0.0652980487 0.15287163 -4.271430e-01
## ENSG00000176463 1.047401e+03 0.1429887321 0.20275991 7.052120e-01
## ENSG00000176472 5.661262e+01 -0.3239243476 0.26739426 -1.211411e+00
## ENSG00000176473 1.580136e+02 -0.0938622320 0.16805299 -5.585276e-01
## ENSG00000176476 1.000236e+02 -0.1212471937 0.21189763 -5.721970e-01
## ENSG00000176485 4.359793e+02 0.3883199958 0.39232872 9.897822e-01
## ENSG00000176490 2.758000e+02 -0.1804448434 0.51440928 -3.507807e-01
## ENSG00000176495 0.000000e+00 NA NA NA
## ENSG00000176510 2.286975e-01 -1.2703616415 3.52685840 -3.601964e-01
## ENSG00000176531 1.865594e+02 -0.6573141520 0.19630007 -3.348517e+00
## ENSG00000176532 1.818534e+00 0.4608618463 1.59895785 2.882264e-01
## ENSG00000176533 6.853468e+01 0.3317209859 0.28381888 1.168777e+00
## ENSG00000176540 0.000000e+00 NA NA NA
## ENSG00000176542 8.164658e+02 -0.1889457073 0.15186839 -1.244141e+00
## ENSG00000176547 0.000000e+00 NA NA NA
## ENSG00000176555 0.000000e+00 NA NA NA
## ENSG00000176563 1.997400e+01 -0.0432898672 0.43726319 -9.900186e-02
## ENSG00000176566 0.000000e+00 NA NA NA
## ENSG00000176567 0.000000e+00 NA NA NA
## ENSG00000176571 0.000000e+00 NA NA NA
## ENSG00000176584 1.405615e+00 -1.1689668274 1.54140095 -7.583795e-01
## ENSG00000176595 1.598283e+01 1.0085383850 0.76852922 1.312297e+00
## ENSG00000176597 2.061328e+02 0.9410123833 0.37610372 2.502002e+00
## ENSG00000176601 0.000000e+00 NA NA NA
## ENSG00000176605 0.000000e+00 NA NA NA
## ENSG00000176619 1.128035e+03 0.1674291599 0.20315746 8.241349e-01
## ENSG00000176623 1.375618e+03 0.0280609761 0.20165440 1.391538e-01
## ENSG00000176624 8.886280e+02 -0.0372392071 0.12240781 -3.042225e-01
## ENSG00000176635 6.786517e-01 -0.8667740931 2.36208337 -3.669532e-01
## ENSG00000176641 1.609208e+02 0.2408912815 0.35420739 6.800854e-01
## ENSG00000176654 7.594449e-01 -1.9417230695 2.77799191 -6.989664e-01
## ENSG00000176658 9.092475e+03 0.1230669037 0.16962692 7.255152e-01
## ENSG00000176678 5.401819e+02 0.2182968919 0.23855007 9.150989e-01
## ENSG00000176679 0.000000e+00 NA NA NA
## ENSG00000176681 8.030297e+00 0.8180099075 1.07732509 7.592972e-01
## ENSG00000176692 4.522331e+01 0.4753963722 0.29213770 1.627302e+00
## ENSG00000176695 0.000000e+00 NA NA NA
## ENSG00000176697 5.398027e+02 -0.2084307025 0.27158229 -7.674679e-01
## ENSG00000176700 2.112408e+02 -0.1113030100 0.20172889 -5.517455e-01
## ENSG00000176714 6.173919e+01 -0.3575247984 0.27704700 -1.290484e+00
## ENSG00000176715 3.942572e+02 0.2402880078 0.21385843 1.123584e+00
## ENSG00000176716 1.298918e+00 0.5466761509 1.77674517 3.076841e-01
## ENSG00000176720 6.551177e+02 -0.2012502476 0.16778834 -1.199429e+00
## ENSG00000176723 4.209727e+01 -0.5538812167 0.30779357 -1.799522e+00
## ENSG00000176731 3.737028e+02 0.0319254873 0.11979177 2.665082e-01

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## ENSG00000176732 1.151875e+01 -0.7906750745 0.54919213 -1.439706e+00
## ENSG00000176742 0.000000e+00 NA NA NA
## ENSG00000176746 0.000000e+00 NA NA NA
## ENSG00000176748 0.000000e+00 NA NA NA
## ENSG00000176749 1.737549e+01 -0.8533465501 0.43322207 -1.969767e+00
## ENSG00000176752 0.000000e+00 NA NA NA
## ENSG00000176761 5.810469e+00 -0.1289889077 0.92334609 -1.396972e-01
## ENSG00000176769 4.686151e-01 -1.2237222876 3.12480191 -3.916160e-01
## ENSG00000176771 1.135887e+02 -2.2146734313 0.39867661 -5.555062e+00
## ENSG00000176774 0.000000e+00 NA NA NA
## ENSG00000176782 0.000000e+00 NA NA NA
## ENSG00000176783 1.060882e+03 -0.0607469883 0.10609952 -5.725472e-01
## ENSG00000176787 0.000000e+00 NA NA NA
## ENSG00000176788 5.307582e+03 -0.0585909137 0.21657449 -2.705347e-01
## ENSG00000176797 0.000000e+00 NA NA NA
## ENSG00000176798 0.000000e+00 NA NA NA
## ENSG00000176809 1.874080e+02 -0.2743519439 0.17083022 -1.605992e+00
## ENSG00000176812 0.000000e+00 NA NA NA
## ENSG00000176826 6.634705e+01 -0.5940003967 0.60648184 -9.794199e-01
## ENSG00000176834 5.896126e+02 0.3282885128 0.21585115 1.520902e+00
## ENSG00000176842 4.889400e-01 1.3463128341 3.04624314 4.419584e-01
## ENSG00000176845 7.776727e+02 -0.6525039923 0.64458696 -1.012282e+00
## ENSG00000176853 1.353387e+03 -0.1475986946 0.10283737 -1.435263e+00
## ENSG00000176855 0.000000e+00 NA NA NA
## ENSG00000176857 4.290047e-01 -0.5512701034 3.16300717 -1.742867e-01
## ENSG00000176871 1.383716e+03 0.2742948104 0.13635527 2.011619e+00
## ENSG00000176879 0.000000e+00 NA NA NA
## ENSG00000176882 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000176884 9.126893e-01 -0.6026030949 2.27923419 -2.643884e-01
## ENSG00000176887 7.094801e+00 -0.3579184391 0.74669144 -4.793391e-01
## ENSG00000176890 4.130309e+02 -0.9699451480 0.34170109 -2.838578e+00
## ENSG00000176893 0.000000e+00 NA NA NA
## ENSG00000176894 1.168945e+02 0.8941562818 0.19103438 4.680604e+00
## ENSG00000176895 0.000000e+00 NA NA NA
## ENSG00000176896 6.271626e+01 0.0486499389 0.34104753 1.426486e-01
## ENSG00000176900 0.000000e+00 NA NA NA
## ENSG00000176903 9.241626e+02 -0.0025520707 0.08500325 -3.002321e-02
## ENSG00000176904 0.000000e+00 NA NA NA
## ENSG00000176907 5.543674e+00 1.1093926463 0.77039214 1.440036e+00
## ENSG00000176909 5.343380e+01 -1.0932055529 0.35255909 -3.100773e+00
## ENSG00000176915 1.444227e+03 0.2083079552 0.10577703 1.969312e+00
## ENSG00000176919 6.915150e+00 -0.2978219803 0.78504978 -3.793670e-01
## ENSG00000176920 1.236064e+01 -0.8739016824 0.59052980 -1.479860e+00
## ENSG00000176922 0.000000e+00 NA NA NA
## ENSG00000176923 0.000000e+00 NA NA NA
## ENSG00000176925 0.000000e+00 NA NA NA
## ENSG00000176927 3.503085e+01 0.7009166709 0.49311926 1.421394e+00
## ENSG00000176928 4.328607e+02 1.9659193966 0.52285406 3.759977e+00
## ENSG00000176933 1.814785e+01 0.0711122713 0.51253912 1.387451e-01
## ENSG00000176937 0.000000e+00 NA NA NA
## ENSG00000176945 5.763927e+00 -0.4302334743 0.93432891 -4.604733e-01
## ENSG00000176946 8.125337e+02 0.1358537780 0.15348867 8.851062e-01
## ENSG00000176951 0.000000e+00 NA NA NA
## ENSG00000176953 8.753176e+02 0.0631369240 0.12365713 5.105805e-01

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## ENSG00000176956	0.000000e+00	NA	NA	NA
## ENSG00000176970	0.000000e+00	NA	NA	NA
## ENSG00000176971	2.457219e+03	1.2826321841	0.25558236	5.018469e+00
## ENSG00000176973	4.562905e+02	0.1334901046	0.23544064	5.669799e-01
## ENSG00000176974	1.554502e+02	1.0952814392	0.18127643	6.042051e+00
## ENSG00000176978	1.955439e+03	0.1846638914	0.12440732	1.484349e+00
## ENSG00000176979	1.060739e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000176986	2.064103e+03	-0.0619570200	0.08097901	-7.650998e-01
## ENSG00000176988	0.000000e+00	NA	NA	NA
## ENSG00000176994	1.074434e+03	-0.0388420317	0.10134644	-3.832600e-01
## ENSG00000176998	2.375921e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000177000	1.372359e+03	-0.0229894859	0.15986486	-1.438057e-01
## ENSG00000177023	0.000000e+00	NA	NA	NA
## ENSG00000177025	1.137076e+01	0.6757406204	0.52044702	1.298385e+00
## ENSG00000177030	8.044653e+02	-0.2187108593	0.09316688	-2.347517e+00
## ENSG00000177034	5.960365e+02	-0.1904059528	0.14902833	-1.277649e+00
## ENSG00000177042	6.966290e+02	-0.2771039253	0.12287369	-2.255193e+00
## ENSG00000177045	4.855723e+02	-0.1210487115	0.20305880	-5.961264e-01
## ENSG00000177047	8.162706e-01	1.3295422622	2.27829931	5.835679e-01
## ENSG00000177051	1.627788e+02	0.0771613712	0.15345884	5.028148e-01
## ENSG00000177054	2.059546e+02	0.4903629447	0.19353251	2.533750e+00
## ENSG00000177058	3.481297e+02	0.1218164875	0.14588799	8.350001e-01
## ENSG00000177076	3.230676e+01	-0.4859237271	0.33010786	-1.472015e+00
## ENSG00000177082	4.278906e+02	-0.1644173787	0.12390585	-1.326954e+00
## ENSG00000177084	4.339418e+02	-0.0275855046	0.24192449	-1.140253e-01
## ENSG00000177096	4.987618e+02	0.2189498730	0.17825593	1.228289e+00
## ENSG00000177098	2.674503e+02	-0.5248501916	0.52074434	-1.007885e+00
## ENSG00000177103	0.000000e+00	NA	NA	NA
## ENSG00000177105	6.181109e+02	0.1804396749	0.10672915	1.690632e+00
## ENSG00000177106	1.058434e+03	-0.3208398958	0.18748569	-1.711277e+00
## ENSG00000177108	9.895597e-01	-2.3982053568	2.15382661	-1.113463e+00
## ENSG00000177119	3.556326e+03	0.2835968690	0.11879391	2.387301e+00
## ENSG00000177125	4.065186e+02	0.3120902389	0.12647317	2.467640e+00
## ENSG00000177138	3.070404e+00	-0.3792533526	1.26376329	-3.000984e-01
## ENSG00000177143	0.000000e+00	NA	NA	NA
## ENSG00000177144	1.328647e+02	0.6983130338	0.37090195	1.882743e+00
## ENSG00000177150	2.446122e+02	-0.1375505202	0.25904493	-5.309910e-01
## ENSG00000177151	0.000000e+00	NA	NA	NA
## ENSG00000177156	2.101448e+03	0.2378931229	0.13582519	1.751465e+00
## ENSG00000177169	1.330450e+03	0.0107781065	0.15813315	6.815843e-02
## ENSG00000177173	1.249095e+00	0.2241358053	1.43189509	1.565309e-01
## ENSG00000177174	0.000000e+00	NA	NA	NA
## ENSG00000177181	3.905320e+00	0.0868549674	0.85449963	1.016442e-01
## ENSG00000177182	6.380815e+00	0.0549670884	0.78181832	7.030673e-02
## ENSG00000177186	0.000000e+00	NA	NA	NA
## ENSG00000177189	1.621086e+03	-0.2173369841	0.21003274	-1.034777e+00
## ENSG00000177191	9.025562e+01	0.5459850159	0.24146847	2.261103e+00
## ENSG00000177192	1.460255e+02	0.6205315879	0.26359186	2.354138e+00
## ENSG00000177197	0.000000e+00	NA	NA	NA
## ENSG00000177200	1.680386e+03	0.3823172370	0.15680984	2.438095e+00
## ENSG00000177201	0.000000e+00	NA	NA	NA
## ENSG00000177202	0.000000e+00	NA	NA	NA
## ENSG00000177212	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000177225	1.249188e+03	-0.0991038380	0.15805428	-6.270241e-01

## ENSG00000177233	0.000000e+00	NA	NA	NA
## ENSG00000177238	3.694125e+01	-0.1259502375	0.27731363	-4.541798e-01
## ENSG00000177239	2.052419e+03	-0.0203143961	0.08154826	-2.491089e-01
## ENSG00000177243	0.000000e+00	NA	NA	NA
## ENSG00000177257	0.000000e+00	NA	NA	NA
## ENSG00000177261	0.000000e+00	NA	NA	NA
## ENSG00000177272	3.184660e+01	-1.1570852554	0.55597698	-2.081175e+00
## ENSG00000177275	0.000000e+00	NA	NA	NA
## ENSG00000177283	1.479516e+02	2.4651795040	0.27227996	9.053841e+00
## ENSG00000177291	4.352103e+00	0.0903177652	0.75540159	1.195626e-01
## ENSG00000177294	2.032545e+00	-0.7909750883	1.20976720	-6.538242e-01
## ENSG00000177300	0.000000e+00	NA	NA	NA
## ENSG00000177301	4.980226e+00	-2.3040836464	1.18151269	-1.950113e+00
## ENSG00000177302	3.488417e+02	0.0527222192	0.16300084	3.234475e-01
## ENSG00000177303	3.536214e+02	0.2110270645	0.16013591	1.317800e+00
## ENSG00000177306	5.640610e+00	0.4170899436	1.56115862	2.671669e-01
## ENSG00000177311	3.732272e+03	0.0014046257	0.17661692	7.952951e-03
## ENSG00000177324	1.694998e+00	1.3956745860	1.31632174	1.060284e+00
## ENSG00000177350	9.170314e-01	0.8138932268	1.86968419	4.353105e-01
## ENSG00000177352	3.149791e+02	-0.1942287300	0.13108325	-1.481720e+00
## ENSG00000177354	5.358433e+00	1.1796950573	1.27538112	9.249745e-01
## ENSG00000177359	1.497896e+00	-0.2952367432	1.82494980	-1.617780e-01
## ENSG00000177363	3.358817e+03	-0.0718258759	0.16254972	-4.418702e-01
## ENSG00000177370	1.134769e+02	0.0140270482	0.21252157	6.600294e-02
## ENSG00000177374	8.608275e+02	-0.0946766230	0.24487802	-3.866277e-01
## ENSG00000177380	3.222121e+01	-0.4901288384	0.41358273	-1.185081e+00
## ENSG00000177383	4.445678e+02	-0.2709416251	0.12678874	-2.136953e+00
## ENSG00000177398	0.000000e+00	NA	NA	NA
## ENSG00000177400	0.000000e+00	NA	NA	NA
## ENSG00000177409	8.282428e+02	-0.5868050077	0.16946544	-3.462683e+00
## ENSG00000177414	0.000000e+00	NA	NA	NA
## ENSG00000177418	4.497969e-01	2.4116117305	3.01460189	7.999769e-01
## ENSG00000177425	5.106891e+02	0.6928498058	0.35577008	1.947465e+00
## ENSG00000177426	1.040457e+03	0.8872700635	0.17660974	5.023902e+00
## ENSG00000177427	1.635625e+02	-0.2596400376	0.21711788	-1.195848e+00
## ENSG00000177432	1.351837e+02	-0.5517841564	0.19875659	-2.776180e+00
## ENSG00000177447	0.000000e+00	NA	NA	NA
## ENSG00000177452	0.000000e+00	NA	NA	NA
## ENSG00000177453	6.294887e+01	-0.7848054152	0.47188621	-1.663124e+00
## ENSG00000177455	3.525404e+00	0.3665355797	1.23285906	2.973053e-01
## ENSG00000177459	2.031545e+01	-0.4426674375	0.44765218	-9.888647e-01
## ENSG00000177462	2.587887e-01	-1.3619532296	3.52197862	-3.867012e-01
## ENSG00000177463	1.426063e+03	-0.1294683078	0.13968161	-9.268816e-01
## ENSG00000177464	3.078667e+01	-0.2451330847	0.45025154	-5.444359e-01
## ENSG00000177465	9.193240e+00	1.3455853758	0.78002039	1.725064e+00
## ENSG00000177468	0.000000e+00	NA	NA	NA
## ENSG00000177469	1.949055e+04	0.6546273529	0.14963941	4.374699e+00
## ENSG00000177476	0.000000e+00	NA	NA	NA
## ENSG00000177479	1.522798e+03	0.0494174307	0.09644125	5.124097e-01
## ENSG00000177483	1.441223e+01	-0.1921111264	0.45247661	-4.245769e-01
## ENSG00000177485	4.808560e+02	0.0839787989	0.15200030	5.524910e-01
## ENSG00000177489	0.000000e+00	NA	NA	NA
## ENSG00000177494	2.627161e+00	0.2061550442	1.04985771	1.963647e-01
## ENSG00000177504	0.000000e+00	NA	NA	NA

```

## ENSG00000177508 4.226099e+00 -3.1648639213 1.40591411 -2.251108e+00
## ENSG00000177511 0.000000e+00 NA NA NA
## ENSG00000177519 6.668848e-01 0.6325344004 3.47291115 1.821338e-01
## ENSG00000177535 0.000000e+00 NA NA NA
## ENSG00000177542 2.650941e+02 0.1896139652 0.21401540 8.859828e-01
## ENSG00000177548 4.120517e+02 -0.1699192353 0.14342104 -1.184758e+00
## ENSG00000177551 8.743734e-01 0.7682911064 2.81214540 2.732046e-01
## ENSG00000177556 6.640150e+02 -0.0972946092 0.13995767 -6.951717e-01
## ENSG00000177558 0.000000e+00 NA NA NA
## ENSG00000177565 2.402331e+03 -0.2876406903 0.17370866 -1.655880e+00
## ENSG00000177570 1.002139e+02 -1.8316818503 0.32208068 -5.687028e+00
## ENSG00000177575 1.935055e+01 0.0775945785 0.59435768 1.305520e-01
## ENSG00000177576 3.937971e+02 -0.0859856138 0.26308468 -3.268363e-01
## ENSG00000177586 0.000000e+00 NA NA NA
## ENSG00000177590 0.000000e+00 NA NA NA
## ENSG00000177595 5.175803e+02 -0.7243011803 0.27791551 -2.606192e+00
## ENSG00000177599 3.259652e+01 -0.5263008091 0.44391578 -1.185587e+00
## ENSG00000177600 6.706666e+03 0.1944867978 0.25873289 7.516895e-01
## ENSG00000177602 1.462142e+01 0.3895589827 0.51643312 7.543261e-01
## ENSG00000177606 3.213141e+03 -1.0668891737 0.33041836 -3.228904e+00
## ENSG00000177613 7.736204e+02 0.1415554074 0.15064141 9.396846e-01
## ENSG00000177614 1.550828e+02 -2.5880567197 0.40172265 -6.442397e+00
## ENSG00000177627 4.285322e-01 -0.5488040601 3.16342252 -1.734843e-01
## ENSG00000177628 2.610062e+03 -0.3190143051 0.08947852 -3.565261e+00
## ENSG00000177646 5.527068e+02 -0.0686674358 0.11113621 -6.178674e-01
## ENSG00000177663 9.403669e+02 0.6272169610 0.14119599 4.442173e+00
## ENSG00000177666 2.639570e+03 1.1399946155 0.09609667 1.186300e+01
## ENSG00000177669 1.245492e+00 -1.3996299427 1.58712583 -8.818645e-01
## ENSG00000177673 0.000000e+00 NA NA NA
## ENSG00000177674 7.644750e+02 1.1359782510 0.16267387 6.983163e+00
## ENSG00000177675 1.128500e+01 2.0576110145 1.30612014 1.575361e+00
## ENSG00000177679 4.837855e+01 -0.1136737104 0.48275447 -2.354690e-01
## ENSG00000177683 3.687204e+02 -0.1920022516 0.14661411 -1.309576e+00
## ENSG00000177684 0.000000e+00 NA NA NA
## ENSG00000177685 1.753873e+01 -0.4128080225 0.57131487 -7.225578e-01
## ENSG00000177688 5.966691e-01 -1.5205447269 2.38569124 -6.373602e-01
## ENSG00000177689 1.721607e+00 -0.7769742771 1.52161459 -5.106249e-01
## ENSG00000177692 1.274901e+01 -0.3888692032 0.49721148 -7.821002e-01
## ENSG00000177693 0.000000e+00 NA NA NA
## ENSG00000177694 3.372547e+02 -0.6081940558 0.35872513 -1.695432e+00
## ENSG00000177697 1.000808e+04 0.1377792937 0.11817159 1.165926e+00
## ENSG00000177700 2.295033e+03 0.1135122119 0.11909554 9.531189e-01
## ENSG00000177706 1.947470e+03 1.0713217184 0.24079597 4.449085e+00
## ENSG00000177707 1.065630e+03 0.1530040614 0.24038589 6.364935e-01
## ENSG00000177710 3.232374e+00 0.0560392099 1.06962612 5.239140e-02
## ENSG00000177721 2.429551e+01 -0.0392671427 0.43368777 -9.054243e-02
## ENSG00000177728 1.213691e+03 0.0342858145 0.21209780 1.616510e-01
## ENSG00000177731 3.884540e+03 0.1482111721 0.11248706 1.317584e+00
## ENSG00000177732 6.253853e+02 -0.5027875329 0.26157804 -1.922132e+00
## ENSG00000177733 2.447027e+03 -0.0301128141 0.12836030 -2.345960e-01
## ENSG00000177736 2.427115e-01 -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000177752 3.518944e-01 -0.5099340604 3.52871903 -1.445097e-01
## ENSG00000177770 0.000000e+00 NA NA NA
## ENSG00000177776 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01

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## ENSG00000177791 1.682974e+00    1.0138337097 1.77449168 5.713375e-01
## ENSG00000177800 3.132602e+00   -0.5081895362 0.91370189 -5.561875e-01
## ENSG00000177803 0.000000e+00          NA          NA          NA
## ENSG00000177807 2.332555e+00    0.0450369809 1.18303467 3.806903e-02
## ENSG00000177830 1.677160e+03   -0.0966691398 0.10614672 -9.107124e-01
## ENSG00000177839 6.346042e+01   -0.8345645121 0.46183757 -1.807052e+00
## ENSG00000177842 2.002245e+01    0.2596959955 0.52219488 4.973162e-01
## ENSG00000177853 3.712159e+02   -0.1771537562 0.18296583 -9.682341e-01
## ENSG00000177854 1.160702e+02    0.2762497315 0.30027464 9.199902e-01
## ENSG00000177855 0.000000e+00          NA          NA          NA
## ENSG00000177868 3.209143e+02   -0.3402265415 0.15327268 -2.219747e+00
## ENSG00000177873 1.192059e+02    0.0630747979 0.19994499 3.154608e-01
## ENSG00000177875 2.356218e+01    0.9724733243 0.48704106 1.996697e+00
## ENSG00000177879 2.330148e+03    0.0960929959 0.11249316 8.542119e-01
## ENSG00000177885 1.890995e+03    0.0629724627 0.17446124 3.609539e-01
## ENSG00000177888 5.667899e+02    0.0430227778 0.12944282 3.323690e-01
## ENSG00000177889 9.147730e+02    0.2890931618 0.14635034 1.975350e+00
## ENSG00000177910 0.000000e+00          NA          NA          NA
## ENSG00000177917 3.273678e+02    0.3439817494 0.16231495 2.119224e+00
## ENSG00000177932 3.001120e+02   -0.1184751404 0.14212452 -8.336010e-01
## ENSG00000177938 0.000000e+00          NA          NA          NA
## ENSG00000177943 6.252317e+01    0.2604152695 0.27929948 9.323872e-01
## ENSG00000177946 2.626430e+02   -0.2592579633 0.13835935 -1.873802e+00
## ENSG00000177947 4.148334e-01    2.2468493082 3.14737442 7.138805e-01
## ENSG00000177951 1.303467e+03   -0.2281746646 0.10996420 -2.074990e+00
## ENSG00000177954 1.289079e+04   -0.1087048528 0.11451228 -9.492856e-01
## ENSG00000177963 1.949729e+03    0.0322770924 0.15294784 2.110333e-01
## ENSG00000177971 5.056668e+02    0.1674298003 0.17898877 9.354207e-01
## ENSG00000177981 5.460495e+02   -0.3095288326 0.13254788 -2.335223e+00
## ENSG00000177984 8.737201e+00   -0.2167635832 0.58261251 -3.720545e-01
## ENSG00000177989 4.188876e+01    0.7028357967 0.39653171 1.772458e+00
## ENSG00000177990 1.000451e+02   -0.0108383817 0.24057371 -4.505223e-02
## ENSG00000177992 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000177994 1.404456e+00   -1.8594719377 1.84393317 -1.008427e+00
## ENSG00000178015 2.322336e+01    2.6845576957 0.59200743 4.534669e+00
## ENSG00000178021 3.191666e-01   -1.7322889739 3.49360098 -4.958463e-01
## ENSG00000178026 1.603042e+02   -0.3037375289 0.17450921 -1.740524e+00
## ENSG00000178028 4.268160e+02   -0.4094132238 0.16080321 -2.546051e+00
## ENSG00000178031 1.454584e+03   -0.8909907823 0.41542745 -2.144757e+00
## ENSG00000178033 7.639592e+02    0.3159137479 0.17817459 1.773057e+00
## ENSG00000178035 3.156353e+03   -0.1661433770 0.20449558 -8.124546e-01
## ENSG00000178038 3.666955e+01   -0.8649663862 0.31810051 -2.719161e+00
## ENSG00000178053 1.551782e+02   -0.7218240945 0.28874771 -2.499844e+00
## ENSG00000178055 2.448756e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000178057 7.728761e+02   -0.1764589454 0.14600755 -1.208560e+00
## ENSG00000178074 4.411056e+02    0.1634841483 0.17522576 9.329915e-01
## ENSG00000178075 3.377129e+01    0.6456606100 0.37470506 1.723117e+00
## ENSG00000178078 4.047926e+01   -0.5661648448 0.34126350 -1.659025e+00
## ENSG00000178081 3.754283e+00    0.3166370517 1.15243250 2.747554e-01
## ENSG00000178082 3.196390e-01   -1.7341554936 3.49346088 -4.964004e-01
## ENSG00000178084 0.000000e+00          NA          NA          NA
## ENSG00000178093 3.985667e+01    0.2400788756 0.33191987 7.233037e-01
## ENSG00000178096 1.224791e+02   -0.2934703299 0.22872483 -1.283072e+00
## ENSG00000178104 6.679153e+03    0.0631594871 0.21174746 2.982774e-01

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## ENSG00000178105 2.775203e+02    0.2560370679 0.17485374  1.464293e+00
## ENSG00000178115 9.849821e+00   -0.4897443552 0.90327174 -5.421894e-01
## ENSG00000178125 3.483094e+00   -1.3093520716 1.02718019 -1.274705e+00
## ENSG00000178127 8.365199e+02    0.2442570436 0.13314894  1.834465e+00
## ENSG00000178146 0.000000e+00      NA          NA          NA
## ENSG00000178149 4.247036e+02   -0.1341350488 0.15756899 -8.512782e-01
## ENSG00000178150 7.931110e+00   -0.8055961684 0.77213525 -1.043336e+00
## ENSG00000178162 1.267688e+01   -0.7458754694 0.74323584 -1.003552e+00
## ENSG00000178163 4.629120e+02   -0.2323352954 0.22527147 -1.031357e+00
## ENSG00000178171 1.040568e+00   0.1148043213 1.68716033  6.804589e-02
## ENSG00000178172 0.000000e+00      NA          NA          NA
## ENSG00000178175 3.916354e+00   1.7032078400 1.15729143  1.471719e+00
## ENSG00000178177 2.065642e+02   -0.1585618429 0.18139569 -8.741214e-01
## ENSG00000178184 7.527283e+01   -1.2487657696 0.38080461 -3.279282e+00
## ENSG00000178187 1.488310e+01   -0.6236584816 0.44575052 -1.399120e+00
## ENSG00000178188 9.522439e+02    0.0333742376 0.17262484  1.933339e-01
## ENSG00000178199 1.385698e+01   -0.3528335861 0.55319964 -6.378052e-01
## ENSG00000178201 1.773422e+01   -0.2034297066 0.49809282 -4.084173e-01
## ENSG00000178202 2.307288e+03   -0.0470716375 0.30741468 -1.531210e-01
## ENSG00000178209 2.069720e+04    0.8836606320 0.24677051  3.580900e+00
## ENSG00000178217 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000178222 5.197508e+01   -0.1601312331 0.67264625 -2.380616e-01
## ENSG00000178226 4.971690e+00   1.0763463117 0.84956634  1.266936e+00
## ENSG00000178229 6.192030e+01   -0.0684034919 0.21246902 -3.219457e-01
## ENSG00000178233 1.941163e+00   -0.3406262947 1.27123856 -2.679484e-01
## ENSG00000178234 1.186546e+03    0.2413987962 0.08567361  2.817656e+00
## ENSG00000178235 4.306400e+00    0.9637336480 1.13482829  8.492330e-01
## ENSG00000178252 2.804596e+03   -0.3160425589 0.11591436 -2.726518e+00
## ENSG00000178257 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000178279 0.000000e+00      NA          NA          NA
## ENSG00000178287 0.000000e+00      NA          NA          NA
## ENSG00000178295 1.774644e+02    0.2962105816 0.24302554  1.218845e+00
## ENSG00000178297 2.249027e+01   -0.0962031247 0.49679753 -1.936465e-01
## ENSG00000178301 8.487009e+01   -0.8983234518 0.32701168 -2.747068e+00
## ENSG00000178307 3.907320e+02    0.3710128154 0.14020225  2.646269e+00
## ENSG00000178338 1.682736e+02    0.1833705392 0.18911847  9.696067e-01
## ENSG00000178342 1.576636e+01    1.2569881118 0.64146376  1.959562e+00
## ENSG00000178343 2.592356e+01   -0.7962887824 0.50573281 -1.574525e+00
## ENSG00000178358 0.000000e+00      NA          NA          NA
## ENSG00000178363 0.000000e+00      NA          NA          NA
## ENSG00000178372 0.000000e+00      NA          NA          NA
## ENSG00000178381 1.765196e+02    0.0559928056 0.16200402  3.456260e-01
## ENSG00000178385 1.437164e+02    0.1467858283 0.22810309  6.435065e-01
## ENSG00000178386 7.771852e+01   -0.0746593793 0.25526532 -2.924776e-01
## ENSG00000178394 0.000000e+00      NA          NA          NA
## ENSG00000178395 0.000000e+00      NA          NA          NA
## ENSG00000178397 2.658633e+02   -0.1916474820 0.13582003 -1.411040e+00
## ENSG00000178401 5.213823e+01   -1.0523920994 0.32331887 -3.254967e+00
## ENSG00000178403 0.000000e+00      NA          NA          NA
## ENSG00000178404 8.115300e+00   -0.5465541971 0.62559828 -8.736504e-01
## ENSG00000178409 5.868847e+01    0.1108654123 0.22797960  4.862953e-01
## ENSG00000178425 5.213939e+02   -0.7357849200 0.15299545 -4.809195e+00
## ENSG00000178429 2.190311e+00    0.0237469730 1.60126778  1.483011e-02
## ENSG00000178445 1.472541e+00   -3.9236829965 2.22912956 -1.760186e+00

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## ENSG00000178449 3.249623e+02    0.3904862942 0.14282618  2.733997e+00
## ENSG00000178458 4.570804e-01    2.4246919469 3.47233177  6.982892e-01
## ENSG00000178460 1.333921e+02   -0.0430989963 0.19165947 -2.248728e-01
## ENSG00000178462 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000178464 4.769776e+00   -0.7560736146 1.01239563 -7.468164e-01
## ENSG00000178467 5.083562e+02    0.1138702437 0.18446768  6.172910e-01
## ENSG00000178473 0.000000e+00      NA          NA          NA
## ENSG00000178498 3.968887e+02   -0.3007969342 0.20069475 -1.498778e+00
## ENSG00000178502 6.511347e+01   -0.1208898911 0.26475680 -4.566073e-01
## ENSG00000178503 0.000000e+00      NA          NA          NA
## ENSG00000178522 0.000000e+00      NA          NA          NA
## ENSG00000178531 6.137329e+01   -0.4967824416 0.32095635 -1.547819e+00
## ENSG00000178537 3.437286e+02   -0.1100690274 0.17462098 -6.303311e-01
## ENSG00000178538 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000178556 0.000000e+00      NA          NA          NA
## ENSG00000178562 3.107879e+00    0.0868560913 1.04800686  8.287741e-02
## ENSG00000178567 7.174959e+02   -0.4746964922 0.15078234 -3.148223e+00
## ENSG00000178568 3.441176e+00    1.0803615329 1.40485140  7.690219e-01
## ENSG00000178573 1.435415e+03   -0.5882308235 0.28097366 -2.093544e+00
## ENSG00000178585 2.649388e+02   -0.0640857952 0.20527468 -3.121953e-01
## ENSG00000178586 0.000000e+00      NA          NA          NA
## ENSG00000178591 0.000000e+00      NA          NA          NA
## ENSG00000178596 0.000000e+00      NA          NA          NA
## ENSG00000178597 0.000000e+00      NA          NA          NA
## ENSG00000178602 0.000000e+00      NA          NA          NA
## ENSG00000178605 5.421687e+02    0.3581221626 0.12318181  2.907265e+00
## ENSG00000178607 3.857962e+02   -0.1614462283 0.13629564 -1.184530e+00
## ENSG00000178623 1.739734e+01   -0.1248102519 0.41565885 -3.002709e-01
## ENSG00000178631 2.575329e+00   -0.6835956913 1.14879060 -5.950568e-01
## ENSG00000178636 1.647974e+01    0.4749928627 0.42290146  1.123176e+00
## ENSG00000178645 1.467899e+00   -0.2453420374 1.47016748 -1.668803e-01
## ENSG00000178654 3.018863e-01   -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000178660 0.000000e+00      NA          NA          NA
## ENSG00000178662 3.895957e+01   -1.2712725365 0.32423925 -3.920785e+00
## ENSG00000178665 4.050193e+01   -0.6938025257 0.29591192 -2.344625e+00
## ENSG00000178685 4.719068e+02   -0.2265070888 0.22502261 -1.006597e+00
## ENSG00000178690 1.006853e+01   -0.1920368641 0.51889133 -3.700907e-01
## ENSG00000178691 7.652002e+02   -0.0955855518 0.12231226 -7.814879e-01
## ENSG00000178694 1.179172e+02   -0.2717761464 0.17313585 -1.569728e+00
## ENSG00000178695 2.685410e+03   -2.4890689376 0.17806607 -1.397834e+01
## ENSG00000178700 3.573856e+02   -0.0073492537 0.12843028 -5.722369e-02
## ENSG00000178715 1.474892e+00    2.4007652208 1.93798559  1.238794e+00
## ENSG00000178718 3.615405e+01    0.5498390996 0.38379072  1.432653e+00
## ENSG00000178719 3.548882e+03   0.0934832445 0.10068058  9.285132e-01
## ENSG00000178723 2.375921e-01    0.1733657147 3.53381154  4.905913e-02
## ENSG00000178726 2.230113e+01    0.4273054890 0.52683829  8.110752e-01
## ENSG00000178732 1.564201e+00   -1.6674724430 1.41712985 -1.176655e+00
## ENSG00000178734 1.450888e+01   -1.6797288957 0.55261340 -3.039609e+00
## ENSG00000178741 5.701527e+02    0.1644420696 0.11184257  1.470299e+00
## ENSG00000178750 1.308147e+00   -1.0364683197 1.76349765 -5.877345e-01
## ENSG00000178752 1.360300e+02    0.2510294288 0.24076253  1.042643e+00
## ENSG00000178761 1.108869e+03   0.1430862809 0.11086688  1.290613e+00
## ENSG00000178762 0.000000e+00      NA          NA          NA
## ENSG00000178764 8.419878e+02   -0.6552710733 0.13986049 -4.685176e+00

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## ENSG00000178772 1.103860e+01 -0.2234090550 0.50213269 -4.449204e-01
## ENSG00000178773 6.371669e+01 0.0908421509 0.65194713 1.393398e-01
## ENSG00000178776 1.958124e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000178789 0.000000e+00 NA NA NA
## ENSG00000178795 8.001109e+00 1.4205256496 0.95559064 1.486542e+00
## ENSG00000178796 1.181318e+00 -0.4639116228 1.42953550 -3.245191e-01
## ENSG00000178802 5.914099e+02 -0.2814948649 0.23491712 -1.198273e+00
## ENSG00000178804 0.000000e+00 NA NA NA
## ENSG00000178809 6.706892e+01 0.2676752582 0.23912849 1.119378e+00
## ENSG00000178814 1.748117e+02 0.2846363037 0.22183516 1.283098e+00
## ENSG00000178821 2.545911e+00 -0.0626329403 0.98241750 -6.375389e-02
## ENSG00000178826 3.660107e+00 -0.2274074340 1.08063899 -2.104379e-01
## ENSG00000178828 0.000000e+00 NA NA NA
## ENSG00000178836 0.000000e+00 NA NA NA
## ENSG00000178852 6.141357e+01 0.3291050610 0.32362607 1.016930e+00
## ENSG00000178860 7.286409e+02 -0.2807388031 0.28599670 -9.816155e-01
## ENSG00000178878 6.532544e+01 -0.6148454902 0.52563072 -1.169729e+00
## ENSG00000178882 1.094588e+00 -3.4868724215 2.37824404 -1.466154e+00
## ENSG00000178896 1.308624e+02 -0.1514365419 0.16003347 -9.462804e-01
## ENSG00000178904 9.280820e+02 0.1748920368 0.17219728 1.015649e+00
## ENSG00000178913 1.775004e+03 0.0723799779 0.10283301 7.038594e-01
## ENSG00000178917 2.044000e+01 -0.3432305643 0.41032118 -8.364924e-01
## ENSG00000178919 7.314861e+01 0.3290968915 2.47608227 1.329103e-01
## ENSG00000178921 2.685280e+02 0.1944296497 0.21105420 9.212309e-01
## ENSG00000178922 1.907848e+02 -0.2949606607 0.15927416 -1.851905e+00
## ENSG00000178927 1.049112e+03 -0.2105267403 0.13439969 -1.566423e+00
## ENSG00000178928 9.637967e-01 -0.4237770557 2.26801957 -1.868489e-01
## ENSG00000178934 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000178935 5.153680e+01 0.3333657120 0.26728418 1.247233e+00
## ENSG00000178947 8.097625e+00 -0.6072502344 0.72771222 -8.344648e-01
## ENSG00000178950 1.405584e+03 0.1748875414 0.10476744 1.669293e+00
## ENSG00000178951 1.232294e+03 0.2536003401 0.10924649 2.321359e+00
## ENSG00000178952 2.007628e+03 0.2172857968 0.13546004 1.604058e+00
## ENSG00000178965 2.546702e+00 1.4589345102 1.92159098 7.592326e-01
## ENSG00000178966 1.388146e+02 -0.2026302309 0.17035234 -1.189477e+00
## ENSG00000178971 2.634923e+02 0.2154161077 0.28315972 7.607583e-01
## ENSG00000178974 3.600056e+02 -0.1265333342 0.12166111 -1.040047e+00
## ENSG00000178980 7.688752e+02 0.2124871189 0.10045484 2.115250e+00
## ENSG00000178982 7.290824e+02 -0.0678592008 0.17167256 -3.952827e-01
## ENSG00000178988 9.372956e+02 -0.1616997075 0.07679214 -2.105680e+00
## ENSG00000178996 4.023530e+03 0.0216982668 0.13203710 1.643346e-01
## ENSG00000178997 3.157057e+00 1.2483512287 1.49914659 8.327079e-01
## ENSG00000178999 1.262131e+01 -0.1280723970 0.62115283 -2.061850e-01
## ENSG00000179002 0.000000e+00 NA NA NA
## ENSG00000179008 2.832688e+00 -0.0527522892 1.14875581 -4.592124e-02
## ENSG00000179010 4.008792e+03 -0.0040914435 0.07047040 -5.805903e-02
## ENSG00000179021 4.149471e+02 -0.1581334770 0.10605659 -1.491029e+00
## ENSG00000179023 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000179029 1.434807e+02 0.4088734553 0.27743422 1.473767e+00
## ENSG00000179031 5.346061e-01 -1.1194988806 2.99891754 -3.733010e-01
## ENSG00000179038 1.009885e+00 -0.5840360229 1.89100761 -3.088491e-01
## ENSG00000179041 1.626825e+02 0.3650668974 0.21599173 1.690189e+00
## ENSG00000179044 1.471497e+01 -1.3002944829 0.55142858 -2.358047e+00
## ENSG00000179046 2.717638e+00 1.5310562009 1.03015577 1.486238e+00

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## ENSG00000179051 6.764608e+02 -0.0353887026 0.18987754 -1.863765e-01
## ENSG00000179055 0.000000e+00 NA NA NA
## ENSG00000179057 8.916070e+00 0.7012278184 0.83114260 8.436913e-01
## ENSG00000179058 8.864649e+00 -0.1168228438 0.58359577 -2.001777e-01
## ENSG00000179059 6.802486e+00 -0.1756553331 0.75883468 -2.314804e-01
## ENSG00000179071 2.894938e+01 -0.3709812475 0.38288513 -9.689101e-01
## ENSG00000179073 0.000000e+00 NA NA NA
## ENSG00000179083 1.055986e+00 0.3016698490 1.68572310 1.789558e-01
## ENSG00000179085 1.389484e+02 0.4437214427 0.20152785 2.201787e+00
## ENSG00000179088 0.000000e+00 NA NA NA
## ENSG00000179091 7.251705e+02 0.1354258256 0.17587686 7.700037e-01
## ENSG00000179094 7.432527e+02 2.8638886585 0.17556931 1.631201e+01
## ENSG00000179097 1.317871e+00 -1.3581403210 3.28291002 -4.137001e-01
## ENSG00000179101 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000179104 3.035697e+02 0.0477921338 0.19041552 2.509886e-01
## ENSG00000179111 1.452797e+00 -1.0455795148 1.52831159 -6.841403e-01
## ENSG00000179115 5.554236e+02 0.1685188324 0.16156761 1.043024e+00
## ENSG00000179119 6.355467e+02 0.0630075162 0.18522141 3.401740e-01
## ENSG00000179131 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000179133 4.639377e+00 -0.8178886974 0.85928669 -9.518228e-01
## ENSG00000179134 2.587410e+03 0.2854533299 0.18873980 1.512417e+00
## ENSG00000179142 0.000000e+00 NA NA NA
## ENSG00000179144 0.000000e+00 NA NA NA
## ENSG00000179148 1.260914e+00 2.1485825808 1.84823143 1.162507e+00
## ENSG00000179151 5.256973e+02 -0.1854084781 0.12254799 -1.512946e+00
## ENSG00000179152 5.345456e+02 -0.0855863011 0.11784125 -7.262847e-01
## ENSG00000179157 0.000000e+00 NA NA NA
## ENSG00000179163 9.308647e+01 -0.0977764836 0.25396776 -3.849957e-01
## ENSG00000179165 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000179168 3.141490e+01 -0.3686667406 0.45136474 -8.167823e-01
## ENSG00000179170 0.000000e+00 NA NA NA
## ENSG00000179172 0.000000e+00 NA NA NA
## ENSG00000179178 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000179195 2.032473e+03 -0.1540436115 0.09967803 -1.545412e+00
## ENSG00000179213 0.000000e+00 NA NA NA
## ENSG00000179218 2.101546e+04 -0.1027815083 0.25901312 -3.968197e-01
## ENSG00000179222 4.891791e+03 -0.7332573836 0.13485861 -5.437231e+00
## ENSG00000179240 4.520937e+01 -0.3594170456 0.32205333 -1.116017e+00
## ENSG00000179241 2.924442e+02 0.5611521899 0.19740316 2.842671e+00
## ENSG00000179242 4.976931e+01 1.0336619103 0.60558809 1.706873e+00
## ENSG00000179256 9.458848e+00 -0.1506647282 0.67934849 -2.217783e-01
## ENSG00000179262 1.308062e+03 0.2260428662 0.09944008 2.273156e+00
## ENSG00000179270 1.547854e+00 -3.1420499475 2.57946231 -1.218103e+00
## ENSG00000179271 6.309284e+02 0.1829617252 0.11270431 1.623378e+00
## ENSG00000179277 1.630416e+02 0.1517801593 0.22969836 6.607803e-01
## ENSG00000179284 2.709276e+00 -0.1419905949 1.02611520 -1.383769e-01
## ENSG00000179292 1.889448e+00 -0.0112099076 1.52764966 -7.338009e-03
## ENSG00000179295 7.682323e+03 0.4533042112 0.13382843 3.387204e+00
## ENSG00000179299 1.291871e+00 -1.3214566810 1.64937806 -8.011848e-01
## ENSG00000179300 6.821044e+01 3.0378105930 0.68629839 4.426370e+00
## ENSG00000179304 8.719559e+01 -0.3924056656 0.59148947 -6.634195e-01
## ENSG00000179314 1.759132e+01 0.3346678226 0.65187793 5.133903e-01
## ENSG00000179331 4.578674e-01 -2.2392570801 3.03951554 -7.367151e-01
## ENSG00000179335 8.131364e+02 -0.0306601131 0.11901747 -2.576102e-01

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## ENSG00000179342 6.084817e-01    0.6347077600 2.43738721 2.604050e-01
## ENSG00000179344 0.000000e+00      NA        NA        NA
## ENSG00000179348 2.081811e+02   -0.1289742354 0.44539837 -2.895705e-01
## ENSG00000179361 6.849113e+01    0.1398315443 0.27219608 5.137162e-01
## ENSG00000179362 1.081582e+01   -0.3316332673 0.64174998 -5.167640e-01
## ENSG00000179363 2.634384e+00    0.5125015539 1.15009308 4.456175e-01
## ENSG00000179364 1.574923e+03    0.1388044319 0.07980428 1.739311e+00
## ENSG00000179381 0.000000e+00      NA        NA        NA
## ENSG00000179387 7.906609e+02    0.0688855554 0.14640042 4.705284e-01
## ENSG00000179388 5.632328e+01   -1.9682290007 0.47507320 -4.143002e+00
## ENSG00000179397 3.578390e+01    0.6584855867 0.42867469 1.536096e+00
## ENSG00000179399 4.738883e-01    1.3858885251 3.08025089 4.499272e-01
## ENSG00000179403 1.239084e+02   -0.0835673756 0.36302315 -2.301985e-01
## ENSG00000179407 0.000000e+00      NA        NA        NA
## ENSG00000179409 5.302548e+02    0.0694955606 0.20380961 3.409827e-01
## ENSG00000179412 0.000000e+00      NA        NA        NA
## ENSG00000179420 0.000000e+00      NA        NA        NA
## ENSG00000179431 1.584308e+02    0.5277234754 0.25940729 2.034343e+00
## ENSG00000179443 0.000000e+00      NA        NA        NA
## ENSG00000179454 3.453350e+02   -0.0620641671 0.16509181 -3.759373e-01
## ENSG00000179455 8.128069e+00    0.3004354510 0.66432347 4.522427e-01
## ENSG00000179456 1.861786e+02   -0.3420272346 0.16249931 -2.104792e+00
## ENSG00000179460 0.000000e+00      NA        NA        NA
## ENSG00000179468 1.862932e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000179476 1.672785e+02   -0.1189567470 0.21338378 -5.574779e-01
## ENSG00000179477 2.121478e-01   -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000179520 3.109952e-01    1.9306485847 3.50319368 5.511110e-01
## ENSG00000179526 7.325308e+02    0.1537418612 0.13456302 1.142527e+00
## ENSG00000179528 3.893918e+01    0.0663323847 0.43038408 1.541237e-01
## ENSG00000179532 2.413247e+02    0.0028163594 0.17005718 1.656125e-02
## ENSG00000179542 5.383261e+00    0.0110951145 0.95718621 1.159139e-02
## ENSG00000179546 2.875699e+00   -1.0389667351 0.98911676 -1.050398e+00
## ENSG00000179562 5.879713e+02   -0.0434444662 0.11094872 -3.915725e-01
## ENSG00000179564 6.698579e-01   -0.8276049273 2.03870359 -4.059467e-01
## ENSG00000179571 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000179580 1.794770e-01    1.4168819359 3.52545357 4.019006e-01
## ENSG00000179583 4.199626e+01   -0.2218937479 0.49322262 -4.498856e-01
## ENSG00000179588 9.980306e+01   -0.2060587185 0.27104856 -7.602280e-01
## ENSG00000179593 6.838007e+01    8.9055023384 1.09726591 8.116084e+00
## ENSG00000179598 4.160072e+01   -0.2192694130 0.26860289 -8.163330e-01
## ENSG00000179600 0.000000e+00      NA        NA        NA
## ENSG00000179603 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000179604 1.318930e+03   -0.1589727741 0.23947864 -6.638286e-01
## ENSG00000179611 0.000000e+00      NA        NA        NA
## ENSG00000179615 0.000000e+00      NA        NA        NA
## ENSG00000179626 0.000000e+00      NA        NA        NA
## ENSG00000179627 6.378291e+01    0.1532560511 0.26368887 5.812003e-01
## ENSG00000179630 6.620119e+02    0.0016744290 0.14942968 1.120546e-02
## ENSG00000179632 2.185726e+03    0.2967172935 0.08689009 3.414858e+00
## ENSG00000179636 0.000000e+00      NA        NA        NA
## ENSG00000179639 0.000000e+00      NA        NA        NA
## ENSG00000179673 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000179674 0.000000e+00      NA        NA        NA
## ENSG00000179695 0.000000e+00      NA        NA        NA

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## ENSG00000179698 1.291258e+01    0.1113456346 0.56652328  1.965420e-01
## ENSG00000179709 1.198125e+00   -1.0265990782 1.47526681 -6.958735e-01
## ENSG00000179715 2.290688e+01    0.2306927326 0.41250438  5.592492e-01
## ENSG00000179750 2.027816e+01   -0.0538993196 0.49292456 -1.093460e-01
## ENSG00000179751 0.000000e+00      NA          NA          NA
## ENSG00000179761 1.909634e+01    0.1900962703 0.55908690  3.400120e-01
## ENSG00000179766 1.141922e+00   -1.7538577366 1.83063071 -9.580620e-01
## ENSG00000179772 0.000000e+00      NA          NA          NA
## ENSG00000179774 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000179776 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000179796 0.000000e+00      NA          NA          NA
## ENSG00000179799 0.000000e+00      NA          NA          NA
## ENSG00000179813 3.700399e+00   -3.7609454373 1.25448759 -2.997993e+00
## ENSG00000179817 0.000000e+00      NA          NA          NA
## ENSG00000179820 5.333813e+03    1.4481098897 0.18597061  7.786767e+00
## ENSG00000179826 3.393543e+00   -0.6846814534 0.97238129 -7.041286e-01
## ENSG00000179832 7.337714e+02    0.2662239873 0.11921642  2.233115e+00
## ENSG00000179833 9.220215e+02   -0.2987007752 0.11823823 -2.526262e+00
## ENSG00000179841 1.712963e+01    0.2433873139 0.56360515  4.318401e-01
## ENSG00000179846 2.719976e+00    1.4820060346 1.15113310  1.287432e+00
## ENSG00000179855 8.595496e+00    0.5050727614 0.68112216  7.415304e-01
## ENSG00000179862 5.810844e+01    1.4791790261 0.35762097  4.136164e+00
## ENSG00000179869 4.559925e+01   -0.0826020604 0.51342022 -1.608859e-01
## ENSG00000179873 2.173413e+00   -1.2663473715 1.09956487 -1.151680e+00
## ENSG00000179886 9.286237e+01    0.1154445715 0.22964568  5.027074e-01
## ENSG00000179889 7.571905e+02   -0.2962584085 0.37036642 -7.999062e-01
## ENSG00000179899 1.408822e+02   -0.3239410006 0.19359126 -1.673324e+00
## ENSG00000179902 8.127535e-01   -1.2181293085 1.95925598 -6.217306e-01
## ENSG00000179909 2.285394e+02   -0.6898299833 0.26852067 -2.569001e+00
## ENSG00000179912 1.416453e+03   -0.0125470719 0.12162627 -1.031609e-01
## ENSG00000179913 0.000000e+00      NA          NA          NA
## ENSG00000179914 0.000000e+00      NA          NA          NA
## ENSG00000179915 1.321243e+00    3.9293134653 1.78384910  2.202716e+00
## ENSG00000179918 6.159047e+02    0.0617694342 0.11180004  5.524992e-01
## ENSG00000179919 0.000000e+00      NA          NA          NA
## ENSG00000179921 4.777906e+00    0.6018960724 0.84232959  7.145612e-01
## ENSG00000179922 7.962883e+01   -0.4016756090 0.23567919 -1.704332e+00
## ENSG00000179930 0.000000e+00      NA          NA          NA
## ENSG00000179933 1.197982e+03    0.0930212269 0.08211826  1.132772e+00
## ENSG00000179934 0.000000e+00      NA          NA          NA
## ENSG00000179938 8.547853e+00   -0.4487009610 0.64339452 -6.973963e-01
## ENSG00000179941 6.560665e+02    0.3312035626 0.13583880  2.438210e+00
## ENSG00000179943 1.712598e+02   -0.1519703795 0.16659773 -9.121996e-01
## ENSG00000179950 3.419848e+02   -0.0732321254 0.28979929 -2.526995e-01
## ENSG00000179954 1.307770e+03   -0.4130321989 0.39723045 -1.039780e+00
## ENSG00000179958 1.431545e+02    0.1152001371 0.20558603  5.603500e-01
## ENSG00000179965 1.227694e+02    0.1114181584 0.25198432  4.421631e-01
## ENSG00000179967 2.071961e+00   -0.9012921534 2.51456971 -3.584280e-01
## ENSG00000179978 1.114582e+01   -2.2308498318 1.39791088 -1.595846e+00
## ENSG00000179979 1.930402e+02    0.0978716154 0.45730187  2.140197e-01
## ENSG00000179981 6.307107e+02   -0.6810856874 0.29191003 -2.333204e+00
## ENSG00000179988 6.136289e+01   -0.0293174442 0.27395710 -1.070147e-01
## ENSG00000179994 0.000000e+00      NA          NA          NA
## ENSG00000179997 0.000000e+00      NA          NA          NA

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## ENSG00000180008 6.392738e+02    0.0563450284 0.12345806 4.563900e-01
## ENSG00000180011 6.810514e+02    -0.2171774658 0.20161489 -1.077190e+00
## ENSG00000180015 1.206710e+01    0.0729947558 0.54358344 1.342844e-01
## ENSG00000180016 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000180019 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000180035 1.199542e+02    -0.0815748494 0.19963166 -4.086268e-01
## ENSG00000180042 0.000000e+00      NA          NA          NA
## ENSG00000180043 0.000000e+00      NA          NA          NA
## ENSG00000180044 1.802550e+00    1.4242231035 1.50823309 9.442991e-01
## ENSG00000180053 2.212567e-01    1.5394092681 3.52295593 4.369652e-01
## ENSG00000180061 4.380514e-01    -1.1194639246 3.15926647 -3.543430e-01
## ENSG00000180068 0.000000e+00      NA          NA          NA
## ENSG00000180071 4.303130e+00    0.9036655005 1.64182019 5.504047e-01
## ENSG00000180083 2.539980e+00    -1.3140733490 1.26387999 -1.039714e+00
## ENSG00000180089 3.588694e+01    -0.2276809942 0.28362475 -8.027543e-01
## ENSG00000180090 4.389963e-01    -1.1228989045 3.15815442 -3.555554e-01
## ENSG00000180096 3.757939e+01    0.1801251782 0.27884830 6.459612e-01
## ENSG00000180098 3.111475e+02    0.2068473706 0.19128620 1.081350e+00
## ENSG00000180104 1.133706e+03    -0.0629195563 0.08573521 -7.338823e-01
## ENSG00000180105 0.000000e+00      NA          NA          NA
## ENSG00000180113 5.903155e+01    0.3934541731 0.78286865 5.025801e-01
## ENSG00000180116 4.584850e+00    0.1386282014 0.74195128 1.868427e-01
## ENSG00000180138 4.081745e-01    -0.0233950113 3.26419165 -7.167168e-03
## ENSG00000180150 0.000000e+00      NA          NA          NA
## ENSG00000180152 3.842686e+00    -0.1428573244 0.85158260 -1.677551e-01
## ENSG00000180155 1.148344e+03    -0.5194857091 0.30160135 -1.722425e+00
## ENSG00000180172 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000180176 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000180178 4.641112e+00    -0.2546627851 1.04526704 -2.436342e-01
## ENSG00000180182 9.114722e+02    0.2953402118 0.09170630 3.220501e+00
## ENSG00000180185 3.979613e+02    -0.0405706007 0.13567133 -2.990359e-01
## ENSG00000180189 2.143391e+00    -1.0398081631 1.18239175 -8.794109e-01
## ENSG00000180190 1.330663e+02    -0.4081318189 0.22398689 -1.822124e+00
## ENSG00000180198 5.431084e+02    0.3918884576 0.15795635 2.480992e+00
## ENSG00000180205 0.000000e+00      NA          NA          NA
## ENSG00000180209 1.109294e+00    0.6055029111 1.84531844 3.281292e-01
## ENSG00000180210 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000180211 2.380645e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000180219 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000180221 1.958124e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000180228 6.110110e+02    0.0320401827 0.14947959 2.143449e-01
## ENSG00000180229 2.851622e+02    -0.1943870199 0.21897313 -8.877209e-01
## ENSG00000180230 0.000000e+00      NA          NA          NA
## ENSG00000180233 1.249372e+02    0.1957384632 0.24566805 7.967599e-01
## ENSG00000180245 9.929460e-01    -2.3353812553 1.78784085 -1.306258e+00
## ENSG00000180251 2.141663e+01    -0.8244526437 0.42525179 -1.938740e+00
## ENSG00000180257 1.020890e+02    0.0886569963 0.22911182 3.869595e-01
## ENSG00000180259 0.000000e+00      NA          NA          NA
## ENSG00000180263 2.490417e+02    -0.2430260535 0.29553577 -8.223236e-01
## ENSG00000180264 9.989583e+00    -0.1992426984 0.50918035 -3.913008e-01
## ENSG00000180269 0.000000e+00      NA          NA          NA
## ENSG00000180284 0.000000e+00      NA          NA          NA
## ENSG00000180287 3.827287e+01    1.6381456558 1.14035669 1.436520e+00
## ENSG00000180304 1.974619e+03    -0.2341721423 0.09996838 -2.342462e+00

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## ENSG00000180305	0.000000e+00	NA	NA	NA
## ENSG00000180316	3.697862e+00	1.6169485143	0.90013129	1.796347e+00
## ENSG00000180318	0.000000e+00	NA	NA	NA
## ENSG00000180329	2.899986e+02	-0.0526442481	0.15460920	-3.404988e-01
## ENSG00000180332	8.637227e-01	0.5031206574	1.75070659	2.873815e-01
## ENSG00000180336	3.001753e+01	0.3510928832	0.48064826	7.304570e-01
## ENSG00000180340	1.216790e+03	0.1615123159	0.13727748	1.176539e+00
## ENSG00000180346	1.559619e+02	0.1732591385	0.28554372	6.067692e-01
## ENSG00000180347	1.188343e+00	0.0427080402	1.45593114	2.933383e-02
## ENSG00000180353	4.023266e+00	-0.9803521292	1.02413080	-9.572528e-01
## ENSG00000180354	1.514269e+03	0.3789288997	0.14713117	2.575449e+00
## ENSG00000180357	1.242896e+03	0.0028201849	0.13795812	2.044233e-02
## ENSG00000180370	1.810920e+03	0.1071716248	0.10428571	1.027673e+00
## ENSG00000180376	2.787472e+02	-0.0180752139	0.16440231	-1.099450e-01
## ENSG00000180383	1.361651e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000180385	2.253378e+01	-0.0961402924	0.38035347	-2.527657e-01
## ENSG00000180386	0.000000e+00	NA	NA	NA
## ENSG00000180389	1.060739e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000180398	6.084401e+03	0.0356972141	0.12453410	2.866461e-01
## ENSG00000180409	0.000000e+00	NA	NA	NA
## ENSG00000180423	5.819491e+01	0.0633672976	0.23859562	2.655845e-01
## ENSG00000180424	0.000000e+00	NA	NA	NA
## ENSG00000180425	5.430104e+01	-0.1859000928	0.29387331	-6.325858e-01
## ENSG00000180432	4.914250e+00	1.1289000135	0.93403738	1.208624e+00
## ENSG00000180433	0.000000e+00	NA	NA	NA
## ENSG00000180437	0.000000e+00	NA	NA	NA
## ENSG00000180438	7.299246e+00	-0.1457897972	0.62998102	-2.314193e-01
## ENSG00000180440	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000180447	1.575971e+03	0.2353874267	0.18551432	1.268837e+00
## ENSG00000180448	3.037945e+02	0.0164167731	0.22842825	7.186840e-02
## ENSG00000180475	7.573950e-01	1.2785194907	2.82878202	4.519682e-01
## ENSG00000180479	9.667640e+01	-0.2506968791	0.24672840	-1.016084e+00
## ENSG00000180481	2.021978e+01	-0.2454781117	0.46117084	-5.322932e-01
## ENSG00000180483	0.000000e+00	NA	NA	NA
## ENSG00000180488	5.329750e+02	0.4371047389	0.15529284	2.814713e+00
## ENSG00000180509	1.960004e+01	0.2472702344	0.54481964	4.538570e-01
## ENSG00000180525	3.308354e+01	1.5047720277	0.61782797	2.435584e+00
## ENSG00000180530	1.148440e+03	-0.0186220904	0.12511838	-1.488358e-01
## ENSG00000180532	1.144187e+00	-0.1193170205	1.85963047	-6.416168e-02
## ENSG00000180535	2.760317e-01	1.5394092413	3.52295593	4.369652e-01
## ENSG00000180537	1.318900e+02	0.1053330569	0.48201310	2.185274e-01
## ENSG00000180543	5.576659e+02	-0.0719761019	0.13636760	-5.278094e-01
## ENSG00000180549	0.000000e+00	NA	NA	NA
## ENSG00000180573	7.393551e+02	-0.2847514248	0.19858383	-1.433910e+00
## ENSG00000180574	2.453481e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000180581	5.513035e+01	-0.4699064300	0.62685680	-7.496232e-01
## ENSG00000180592	3.435022e+01	-0.3011975400	0.50882642	-5.919456e-01
## ENSG00000180596	3.773531e+01	-0.4209306289	0.42289467	-9.953557e-01
## ENSG00000180610	1.151756e+00	-0.7057797414	1.63225571	-4.323953e-01
## ENSG00000180611	1.128887e+02	0.5468015712	0.18367600	2.976990e+00
## ENSG00000180613	1.245801e+00	2.9741560115	2.55711652	1.163090e+00
## ENSG00000180616	3.492324e+01	-0.3458728798	0.29353668	-1.178295e+00
## ENSG00000180626	1.482388e+02	-0.4061676978	0.27772892	-1.462461e+00
## ENSG00000180628	9.618112e+02	0.4548573874	0.17902578	2.540737e+00

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## ENSG00000180638 3.378716e+00 -0.0097154061 1.02040967 -9.521084e-03
## ENSG00000180644 3.518944e-01 -0.5099340604 3.52871903 -1.445097e-01
## ENSG00000180658 0.000000e+00 NA NA NA
## ENSG00000180660 7.636385e+01 0.1027204545 0.27574866 3.725148e-01
## ENSG00000180662 0.000000e+00 NA NA NA
## ENSG00000180663 0.000000e+00 NA NA NA
## ENSG00000180667 2.355641e+02 0.4479592618 0.16724829 2.678409e+00
## ENSG00000180673 0.000000e+00 NA NA NA
## ENSG00000180694 8.297364e+02 0.5670690030 0.21724919 2.610224e+00
## ENSG00000180697 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000180708 0.000000e+00 NA NA NA
## ENSG00000180714 0.000000e+00 NA NA NA
## ENSG00000180720 7.910107e-01 -0.2533262221 2.26304511 -1.119404e-01
## ENSG00000180723 0.000000e+00 NA NA NA
## ENSG00000180730 3.101199e+00 1.3054623318 1.17231583 1.113576e+00
## ENSG00000180739 1.551210e+00 0.8590441982 1.45858694 5.889565e-01
## ENSG00000180745 5.099223e-01 -1.2212919224 3.05549218 -3.997038e-01
## ENSG00000180747 1.607624e+02 0.2922062939 0.31070160 9.404725e-01
## ENSG00000180758 1.149133e+02 0.4918555589 0.51865972 9.483203e-01
## ENSG00000180764 9.938770e+00 0.6515452719 0.61119847 1.066013e+00
## ENSG00000180767 0.000000e+00 NA NA NA
## ENSG00000180770 2.130927e-01 -1.2312738004 3.52871919 -3.489294e-01
## ENSG00000180772 0.000000e+00 NA NA NA
## ENSG00000180773 4.534880e+02 0.2017677451 0.15405792 1.309688e+00
## ENSG00000180776 1.552926e+03 -0.2496112368 0.16317843 -1.529683e+00
## ENSG00000180777 7.273104e+00 -0.4793980325 0.91741444 -5.225534e-01
## ENSG00000180785 0.000000e+00 NA NA NA
## ENSG00000180787 1.176268e+02 -0.0118499110 0.23531001 -5.035872e-02
## ENSG00000180801 1.500343e+03 0.2341483283 0.23721684 9.870645e-01
## ENSG00000180803 0.000000e+00 NA NA NA
## ENSG00000180806 8.004101e+00 0.4156240658 0.92728141 4.482178e-01
## ENSG00000180815 6.614049e+00 -1.8963718977 0.87966152 -2.155797e+00
## ENSG00000180817 1.474614e+03 -0.3153312806 0.14874631 -2.119927e+00
## ENSG00000180818 4.854230e-01 -2.3137822461 3.45745615 -6.692152e-01
## ENSG00000180822 1.460991e+02 0.2373136683 0.16636699 1.426447e+00
## ENSG00000180828 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000180834 2.454991e+01 -0.5239699005 0.39209204 -1.336344e+00
## ENSG00000180855 3.435502e+01 -0.0939776507 0.32427989 -2.898041e-01
## ENSG00000180867 3.631233e+01 0.0164899741 0.41496658 3.973808e-02
## ENSG00000180871 1.327150e+00 0.2343760751 1.44028259 1.627292e-01
## ENSG00000180872 0.000000e+00 NA NA NA
## ENSG00000180875 3.854256e+02 -0.5748629340 0.41459729 -1.386557e+00
## ENSG00000180878 2.350723e+00 -0.5781859572 1.11000581 -5.208855e-01
## ENSG00000180879 1.579460e+03 0.0001482712 0.10890932 1.361419e-03
## ENSG00000180881 1.323122e+02 -0.4775545972 0.18597551 -2.567836e+00
## ENSG00000180884 4.560594e+01 -0.2677940465 0.25557208 -1.047822e+00
## ENSG00000180891 1.105729e+03 0.6490050969 0.14662676 4.426239e+00
## ENSG00000180900 5.064046e+02 -0.0817829136 0.16077916 -5.086661e-01
## ENSG00000180901 1.020403e+03 0.1057736462 0.09381705 1.127446e+00
## ENSG00000180902 4.202125e+02 0.0458819145 0.15117852 3.034949e-01
## ENSG00000180909 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000180913 0.000000e+00 NA NA NA
## ENSG00000180914 5.489236e+02 1.9243248182 1.00448441 1.915734e+00
## ENSG00000180917 3.613768e+02 -0.5180511797 0.15025643 -3.447781e+00

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## ENSG00000180919 2.453481e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000180921 9.275267e+01    0.2527419419 0.24110978 1.048244e+00
## ENSG00000180926 0.000000e+00      NA          NA          NA
## ENSG00000180929 8.309949e-01    -0.3311488839 1.75885888 -1.882748e-01
## ENSG00000180934 0.000000e+00      NA          NA          NA
## ENSG00000180938 3.736379e+01    -0.7755921463 0.29608904 -2.619456e+00
## ENSG00000180953 5.535719e+01    -0.1476561725 0.25817495 -5.719229e-01
## ENSG00000180957 1.134412e+03    0.3004183676 0.08720782 3.444856e+00
## ENSG00000180964 1.002252e+03    -0.0656362488 0.10012524 -6.555415e-01
## ENSG00000180974 0.000000e+00      NA          NA          NA
## ENSG00000180979 4.575586e+02    0.1102448718 0.24494747 4.500756e-01
## ENSG00000180988 2.630364e-01    1.7010395714 3.51732531 4.836174e-01
## ENSG00000180992 3.444893e+02    -0.4265412546 0.16596180 -2.570117e+00
## ENSG00000180998 4.837997e+01    -0.4320571979 0.42362937 -1.019894e+00
## ENSG00000180999 3.441384e-01    -0.5086481446 3.35219545 -1.517358e-01
## ENSG00000181001 0.000000e+00      NA          NA          NA
## ENSG00000181004 1.634797e+02    0.4837974459 0.21584793 2.241381e+00
## ENSG00000181007 1.396650e+02    -0.1565733334 0.17348101 -9.025387e-01
## ENSG00000181009 0.000000e+00      NA          NA          NA
## ENSG00000181013 1.616311e+00    1.4349738715 1.42151967 1.009465e+00
## ENSG00000181016 1.656227e+01    -0.0945372312 0.47102861 -2.007038e-01
## ENSG00000181017 2.121478e-01    -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000181019 3.098257e+03    -0.6997174545 0.24560067 -2.849005e+00
## ENSG00000181023 1.862932e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000181026 7.018098e+02    -0.1300495518 0.20242236 -6.424663e-01
## ENSG00000181027 5.497739e+02    0.4480730749 0.11537923 3.883481e+00
## ENSG00000181029 4.268979e+02    0.0551067394 0.19518654 2.823286e-01
## ENSG00000181031 8.045126e+00    0.6601525054 0.83541599 7.902081e-01
## ENSG00000181035 2.358713e+02    -0.1144079008 0.18035845 -6.343363e-01
## ENSG00000181036 2.264413e+00    0.0474819779 1.35608587 3.501399e-02
## ENSG00000181038 2.359892e+02    -0.0850572978 0.14961388 -5.685121e-01
## ENSG00000181045 3.192145e+02    -0.3267484552 0.13977849 -2.337616e+00
## ENSG00000181061 2.495794e+03    1.2697188020 0.13548232 9.371842e+00
## ENSG00000181072 2.981488e+03    -0.7206501713 0.24194783 -2.978535e+00
## ENSG00000181074 1.745734e+00    -0.5651653936 1.29730016 -4.356474e-01
## ENSG00000181085 1.407509e+00    -0.0643146558 1.54128769 -4.172787e-02
## ENSG00000181090 8.841010e+02    -0.1537299996 0.12326963 -1.247104e+00
## ENSG00000181092 4.610825e+00    0.2213325403 0.84796781 2.610153e-01
## ENSG00000181101 0.000000e+00      NA          NA          NA
## ENSG00000181104 7.288265e+03    0.2651683235 0.20214961 1.311743e+00
## ENSG00000181109 6.602379e-01    -1.5617063266 2.88489906 -5.413383e-01
## ENSG00000181126 2.216837e+00    -0.1789844657 1.33269047 -1.343031e-01
## ENSG00000181135 1.094910e+02    -0.0037577806 0.18132848 -2.072361e-02
## ENSG00000181143 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000181163 1.013753e+04    -0.1116373323 0.07948629 -1.404485e+00
## ENSG00000181191 4.261508e+02    -0.1980167937 0.14476467 -1.367853e+00
## ENSG00000181192 5.895194e+02    0.6848863019 0.12237648 5.596552e+00
## ENSG00000181195 2.226658e+02    0.0005334300 0.28867095 1.847883e-03
## ENSG00000181201 0.000000e+00      NA          NA          NA
## ENSG00000181214 0.000000e+00      NA          NA          NA
## ENSG00000181215 0.000000e+00      NA          NA          NA
## ENSG00000181218 8.391883e+01    -0.3125853278 0.36323583 -8.605575e-01
## ENSG00000181220 4.383674e+02    0.2173359764 0.13513935 1.608236e+00
## ENSG00000181222 6.735319e+03    0.0940652902 0.10002844 9.403854e-01

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## ENSG00000181227 1.063104e+01 -0.5119583123 0.49566206 -1.032878e+00
## ENSG00000181234 0.000000e+00 NA NA NA
## ENSG00000181240 2.771711e+00 -0.8424714096 1.16843640 -7.210246e-01
## ENSG00000181260 4.579683e-01 -1.0157670751 3.09950059 -3.277196e-01
## ENSG00000181264 4.025382e+02 0.0744158884 0.20702514 3.594534e-01
## ENSG00000181273 0.000000e+00 NA NA NA
## ENSG00000181274 6.368815e+01 0.2267453860 0.25431926 8.915777e-01
## ENSG00000181282 0.000000e+00 NA NA NA
## ENSG00000181284 3.466525e+01 0.2504275632 0.34281838 7.304963e-01
## ENSG00000181291 3.679717e-01 -0.5514013405 3.29193777 -1.675005e-01
## ENSG00000181296 0.000000e+00 NA NA NA
## ENSG00000181315 6.427107e+02 -0.1542503413 0.13266462 -1.162709e+00
## ENSG00000181322 1.011196e+01 0.7226056758 0.57618682 1.254117e+00
## ENSG00000181323 0.000000e+00 NA NA NA
## ENSG00000181325 0.000000e+00 NA NA NA
## ENSG00000181333 3.156723e+00 -0.2602812059 1.10120300 -2.363608e-01
## ENSG00000181350 3.960766e+03 -0.0247170250 0.30113607 -8.207926e-02
## ENSG00000181355 5.608893e-01 -0.7049083969 3.04492143 -2.315030e-01
## ENSG00000181358 0.000000e+00 NA NA NA
## ENSG00000181359 2.142272e+00 -1.5625552861 1.67376372 -9.335579e-01
## ENSG00000181371 0.000000e+00 NA NA NA
## ENSG00000181374 2.431721e+01 0.1202102233 0.78571051 1.529956e-01
## ENSG00000181378 4.471603e-01 1.2173857014 3.09365563 3.935104e-01
## ENSG00000181381 6.999846e+02 0.4390791034 0.24354074 1.802898e+00
## ENSG00000181392 8.499752e+00 0.7677202469 0.62220187 1.233876e+00
## ENSG00000181395 0.000000e+00 NA NA NA
## ENSG00000181396 5.908971e+02 -0.2088966071 0.10012535 -2.086351e+00
## ENSG00000181404 2.139080e+02 -0.0578526229 0.17885338 -3.234640e-01
## ENSG00000181408 0.000000e+00 NA NA NA
## ENSG00000181409 3.920373e+00 -0.4372950089 0.99151755 -4.410361e-01
## ENSG00000181418 2.014104e+00 -0.1864096199 1.13593012 -1.641031e-01
## ENSG00000181433 0.000000e+00 NA NA NA
## ENSG00000181444 1.101510e+01 -0.3378272235 0.66688045 -5.065784e-01
## ENSG00000181449 5.801194e-01 -1.4785781463 2.39043136 -6.185403e-01
## ENSG00000181450 1.194021e+02 -0.1084280223 0.27499420 -3.942920e-01
## ENSG00000181458 1.401091e+03 0.0281549791 0.16842639 1.671649e-01
## ENSG00000181467 6.146948e+02 -1.2618894027 0.11872731 -1.062847e+01
## ENSG00000181472 5.719529e+02 -0.5770658522 0.16713715 -3.452649e+00
## ENSG00000181481 4.005451e+02 0.3727715302 0.12460143 2.991712e+00
## ENSG00000181499 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000181511 0.000000e+00 NA NA NA
## ENSG00000181513 2.453768e+02 0.0618246120 0.22015354 2.808250e-01
## ENSG00000181514 0.000000e+00 NA NA NA
## ENSG00000181518 0.000000e+00 NA NA NA
## ENSG00000181523 1.356080e+03 -0.1762173605 0.08185026 -2.152924e+00
## ENSG00000181524 1.013738e+00 -0.2619846548 1.61438266 -1.622816e-01
## ENSG00000181541 2.131317e+00 0.4307045207 1.48101930 2.908163e-01
## ENSG00000181544 2.196532e+01 0.3452630170 0.46642391 7.402344e-01
## ENSG00000181552 0.000000e+00 NA NA NA
## ENSG00000181555 1.613000e+03 0.0322464184 0.09721506 3.317019e-01
## ENSG00000181562 0.000000e+00 NA NA NA
## ENSG00000181577 5.609331e-01 -2.5341237959 2.89440826 -8.755240e-01
## ENSG00000181585 2.426757e+00 -1.7278587089 1.62829154 -1.061148e+00
## ENSG00000181588 3.807825e+02 -0.3128714539 0.19626095 -1.594160e+00

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## ENSG00000181609	0.000000e+00	NA	NA	NA
## ENSG00000181610	4.447236e+02	0.2973880914	0.11219284	2.650687e+00
## ENSG00000181616	6.373444e-01	-0.9770083637	2.40532492	-4.061856e-01
## ENSG00000181617	0.000000e+00	NA	NA	NA
## ENSG00000181619	9.869570e+01	0.3137804386	0.26100393	1.202206e+00
## ENSG00000181625	7.195029e+01	0.4010632026	0.37265476	1.076233e+00
## ENSG00000181626	2.447173e+00	0.2670797386	1.30729570	2.042994e-01
## ENSG00000181631	0.000000e+00	NA	NA	NA
## ENSG00000181634	2.768980e+01	-2.0168243258	0.45923523	-4.391702e+00
## ENSG00000181638	3.200945e+02	-0.2000073738	0.17322826	-1.154589e+00
## ENSG00000181649	3.974587e+01	0.5645198897	0.34849060	1.619900e+00
## ENSG00000181652	5.610058e+00	0.2113733673	1.03863477	2.035108e-01
## ENSG00000181656	8.924382e-01	-2.3255977027	2.70445088	-8.599149e-01
## ENSG00000181666	4.129066e+02	-0.1733644260	0.19386431	-8.942565e-01
## ENSG00000181689	0.000000e+00	NA	NA	NA
## ENSG00000181690	4.601094e+02	0.0517806958	0.20654365	2.507010e-01
## ENSG00000181693	0.000000e+00	NA	NA	NA
## ENSG00000181698	0.000000e+00	NA	NA	NA
## ENSG00000181704	9.620366e+02	0.2499495557	0.14908951	1.676507e+00
## ENSG00000181705	0.000000e+00	NA	NA	NA
## ENSG00000181718	0.000000e+00	NA	NA	NA
## ENSG00000181722	8.737252e+01	-0.4288101337	0.37246850	-1.151265e+00
## ENSG00000181733	0.000000e+00	NA	NA	NA
## ENSG00000181741	2.614253e-01	0.1733657147	3.53381154	4.905913e-02
## ENSG00000181744	7.552871e+02	0.0700519597	0.15568617	4.499562e-01
## ENSG00000181751	1.917592e+02	0.3231160982	0.20122546	1.605742e+00
## ENSG00000181752	0.000000e+00	NA	NA	NA
## ENSG00000181754	2.974455e+02	-0.1504995999	0.33502154	-4.492236e-01
## ENSG00000181761	0.000000e+00	NA	NA	NA
## ENSG00000181767	0.000000e+00	NA	NA	NA
## ENSG00000181773	2.625403e+00	-1.0022890012	1.23485716	-8.116639e-01
## ENSG00000181778	2.298294e+01	0.4340683597	0.67700876	6.411562e-01
## ENSG00000181780	0.000000e+00	NA	NA	NA
## ENSG00000181781	4.952100e-01	1.1909265987	3.50425178	3.398519e-01
## ENSG00000181785	0.000000e+00	NA	NA	NA
## ENSG00000181786	0.000000e+00	NA	NA	NA
## ENSG00000181788	4.291117e+02	-0.1080680454	0.15330914	-7.049028e-01
## ENSG00000181789	4.017233e+03	0.1168808598	0.08840075	1.322171e+00
## ENSG00000181790	1.537348e+00	-2.2860057159	1.61983274	-1.411260e+00
## ENSG00000181803	0.000000e+00	NA	NA	NA
## ENSG00000181804	9.471798e+02	0.5210308546	0.20369828	2.557856e+00
## ENSG00000181817	3.307372e+02	-0.1275517679	0.15236502	-8.371460e-01
## ENSG00000181819	0.000000e+00	NA	NA	NA
## ENSG00000181826	1.546671e+02	1.0199401522	0.21339358	4.779620e+00
## ENSG00000181827	8.117524e+02	-0.6211203402	0.16688220	-3.721909e+00
## ENSG00000181830	7.548605e+02	0.7694813120	0.14061500	5.472256e+00
## ENSG00000181837	0.000000e+00	NA	NA	NA
## ENSG00000181847	7.360442e-01	0.3601461398	3.44139400	1.046512e-01
## ENSG00000181852	1.403877e+03	0.3172389904	0.13140613	2.414187e+00
## ENSG00000181856	7.741020e+00	1.1291148414	0.66249123	1.704347e+00
## ENSG00000181867	0.000000e+00	NA	NA	NA
## ENSG00000181873	1.830296e+02	-0.0054564505	0.28671227	-1.903110e-02
## ENSG00000181885	3.520030e+01	0.7063175586	0.49752116	1.419673e+00
## ENSG00000181894	2.565753e+02	-0.2778753289	0.16866666	-1.647482e+00

```

## ENSG00000181896 1.030692e+02    0.0317341462 0.31215281 1.016622e-01
## ENSG00000181903 0.000000e+00      NA        NA        NA
## ENSG00000181904 1.454845e+03    0.2667084094 0.09970285 2.675033e+00
## ENSG00000181915 3.880083e+02   -0.0115311325 0.10715342 -1.076133e-01
## ENSG00000181924 3.550617e+02    0.0624947106 0.19515647 3.202287e-01
## ENSG00000181927 0.000000e+00      NA        NA        NA
## ENSG00000181929 1.341934e+03    0.0211143544 0.08448179 2.499279e-01
## ENSG00000181935 0.000000e+00      NA        NA        NA
## ENSG00000181938 4.548055e+01   -0.3654527145 0.31025007 -1.177930e+00
## ENSG00000181939 0.000000e+00      NA        NA        NA
## ENSG00000181943 0.000000e+00      NA        NA        NA
## ENSG00000181950 0.000000e+00      NA        NA        NA
## ENSG00000181958 0.000000e+00      NA        NA        NA
## ENSG00000181961 0.000000e+00      NA        NA        NA
## ENSG00000181963 0.000000e+00      NA        NA        NA
## ENSG00000181965 0.000000e+00      NA        NA        NA
## ENSG00000181977 0.000000e+00      NA        NA        NA
## ENSG00000181982 4.732777e+02   -0.1223305959 0.12678358 -9.648773e-01
## ENSG00000181984 1.390366e+00   -3.0193017091 2.51679373 -1.199662e+00
## ENSG00000181991 4.391466e+02    0.1446989363 0.15465788 9.356066e-01
## ENSG00000181997 0.000000e+00      NA        NA        NA
## ENSG00000182000 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000182004 4.585952e+02    0.0576930196 0.14843831 3.886666e-01
## ENSG00000182010 1.2022200e+02   -1.7541134165 0.28342561 -6.188973e+00
## ENSG00000182013 2.208607e+02   -0.1020879526 0.62140862 -1.642847e-01
## ENSG00000182022 1.117873e+03    0.3233227765 0.43201703 7.484029e-01
## ENSG00000182035 0.000000e+00      NA        NA        NA
## ENSG00000182040 1.318501e+00   -0.7396156336 1.79718392 -4.115414e-01
## ENSG00000182048 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000182050 1.802774e+01   -0.2599836065 0.54098925 -4.805707e-01
## ENSG00000182053 4.164051e-01    2.2676627718 3.48234977 6.511875e-01
## ENSG00000182054 8.789254e+02    0.5867264039 0.18227510 3.218906e+00
## ENSG00000182070 0.000000e+00      NA        NA        NA
## ENSG00000182077 0.000000e+00      NA        NA        NA
## ENSG00000182083 0.000000e+00      NA        NA        NA
## ENSG00000182087 2.503575e+03    0.2318558023 0.08032884 2.886333e+00
## ENSG00000182093 7.355220e+02    0.2978886416 0.14144876 2.105983e+00
## ENSG00000182095 4.226345e+03    0.1951021523 0.07131924 2.735617e+00
## ENSG00000182103 2.038493e+00    1.6720455446 1.42209542 1.175762e+00
## ENSG00000182107 2.147702e+02    0.9155994005 0.46767831 1.957755e+00
## ENSG00000182108 5.622275e+02    0.0322481981 0.10943082 2.946903e-01
## ENSG00000182111 5.036273e+00   -0.1975165922 0.74327378 -2.657387e-01
## ENSG00000182117 7.565442e+02    0.1293607772 0.10717958 1.206954e+00
## ENSG00000182118 1.165284e+02    0.3974267732 0.19304981 2.058675e+00
## ENSG00000182132 0.000000e+00      NA        NA        NA
## ENSG00000182134 3.779057e+01   -0.1556854316 0.37882451 -4.109698e-01
## ENSG00000182141 9.763405e+01   -0.0637596591 0.25600033 -2.490608e-01
## ENSG00000182149 2.175617e+03   -0.0154808655 0.10121561 -1.529494e-01
## ENSG00000182150 5.986702e+02    0.0166215439 0.15745111 1.055664e-01
## ENSG00000182154 4.028275e+02    0.5645943282 0.21165067 2.667576e+00
## ENSG00000182156 8.973850e-02    0.8946997229 3.53381154 2.531826e-01
## ENSG00000182158 3.018397e+03    0.5570615889 0.18448954 3.019475e+00
## ENSG00000182162 1.665858e+01   -0.0166840702 0.56061517 -2.976029e-02
## ENSG00000182168 1.842757e+01   -0.6975837561 0.88594514 -7.873893e-01

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```

## ENSG00000182170 0.000000e+00 NA NA NA
## ENSG00000182173 9.906827e+01 0.2006298149 0.25576210 7.844392e-01
## ENSG00000182175 5.535173e+02 0.4986575051 0.27887798 1.788085e+00
## ENSG00000182177 6.328196e+00 -0.4460161452 0.73787870 -6.044573e-01
## ENSG00000182179 8.154608e+02 -0.3729633789 0.22309062 -1.671802e+00
## ENSG00000182180 8.293684e+02 -0.0423833730 0.15827457 -2.677838e-01
## ENSG00000182183 1.481837e+01 -1.1869707701 0.63541231 -1.868032e+00
## ENSG00000182185 6.861381e+01 -0.6232234356 0.31072558 -2.005704e+00
## ENSG00000182187 0.000000e+00 NA NA NA
## ENSG00000182195 6.725753e+02 -0.2481018844 0.10020381 -2.475973e+00
## ENSG00000182196 1.507224e+03 0.1125534567 0.12578996 8.947730e-01
## ENSG00000182197 5.315488e+03 -0.8003507650 0.11498449 -6.960511e+00
## ENSG00000182199 1.350769e+03 -0.6535606101 0.11312303 -5.777432e+00
## ENSG00000182208 3.980597e+02 0.1673683371 0.13840094 1.209301e+00
## ENSG00000182218 3.269694e+02 -0.0492578371 0.37476662 -1.314360e-01
## ENSG00000182220 4.642408e+03 0.0249514061 0.11153573 2.237077e-01
## ENSG00000182223 0.000000e+00 NA NA NA
## ENSG00000182224 4.270544e+02 -0.1106333812 0.13281531 -8.329866e-01
## ENSG00000182230 1.414635e+01 1.1829108098 0.73210470 1.615767e+00
## ENSG00000182240 9.861133e+02 0.0083971418 0.27898201 3.009922e-02
## ENSG00000182247 7.507016e+02 -0.1022977909 0.23573972 -4.339438e-01
## ENSG00000182253 1.419260e+02 -0.0396027724 0.50598224 -7.826910e-02
## ENSG00000182255 4.518073e-01 -0.1495945086 3.51145153 -4.260190e-02
## ENSG00000182256 2.048779e+00 -0.3509312756 1.08664876 -3.229482e-01
## ENSG00000182257 2.422731e+01 -0.0880441114 0.37178132 -2.368169e-01
## ENSG00000182261 5.185876e+00 1.3407272189 1.03629044 1.293776e+00
## ENSG00000182263 1.815146e+02 -0.7611698982 0.26855567 -2.834310e+00
## ENSG00000182264 4.206146e+00 0.3763234814 0.81777038 4.601823e-01
## ENSG00000182271 0.000000e+00 NA NA NA
## ENSG00000182272 5.274420e+01 -1.1096835376 0.33965036 -3.267135e+00
## ENSG00000182287 6.647207e+02 0.4734356787 0.17988252 2.631916e+00
## ENSG00000182307 9.829961e+02 0.1334977684 0.10003517 1.334508e+00
## ENSG00000182308 2.980054e+00 -0.1570129870 1.06497266 -1.474338e-01
## ENSG00000182315 0.000000e+00 NA NA NA
## ENSG00000182318 1.065591e+02 -0.2692227485 0.21161929 -1.272203e+00
## ENSG00000182324 2.472325e+01 0.3127557510 0.36518019 8.564423e-01
## ENSG00000182325 2.086107e+02 0.4541981331 0.18596603 2.442371e+00
## ENSG00000182326 4.834989e+04 0.0717724640 0.09788850 7.332063e-01
## ENSG00000182327 1.065855e+01 -0.6657693781 0.53831785 -1.236759e+00
## ENSG00000182329 2.618846e+01 -0.7128200159 0.44653734 -1.596328e+00
## ENSG00000182330 8.328103e-01 3.2698074292 3.43331312 9.523767e-01
## ENSG00000182333 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000182334 0.000000e+00 NA NA NA
## ENSG00000182346 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000182347 1.881709e+00 1.1587058766 1.31684782 8.799087e-01
## ENSG00000182348 0.000000e+00 NA NA NA
## ENSG00000182351 0.000000e+00 NA NA NA
## ENSG00000182359 9.876622e+01 1.0227981205 0.47471584 2.154548e+00
## ENSG00000182362 2.010843e+02 0.1469592744 0.21046827 6.982491e-01
## ENSG00000182365 0.000000e+00 NA NA NA
## ENSG00000182372 2.401861e+02 -0.5819913903 0.40875303 -1.423822e+00
## ENSG00000182378 1.776967e+02 -0.3019957318 0.32868005 -9.188137e-01
## ENSG00000182379 2.062092e+01 -1.2133850208 0.41276951 -2.939619e+00
## ENSG00000182383 1.388017e-01 0.8946997229 3.53381154 2.531826e-01

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```

## ENSG00000182389 5.826787e+01 -0.9481468282 0.39521833 -2.399046e+00
## ENSG00000182393 0.000000e+00 NA NA NA
## ENSG00000182397 5.826939e+01 -0.6872749746 0.31134896 -2.207411e+00
## ENSG00000182400 5.516045e+02 0.1131403002 0.16287999 6.946237e-01
## ENSG00000182405 9.134341e+01 -0.1647037818 0.21723372 -7.581870e-01
## ENSG00000182415 0.000000e+00 NA NA NA
## ENSG00000182446 2.042759e+03 0.1737526587 0.14488300 1.199262e+00
## ENSG00000182447 0.000000e+00 NA NA NA
## ENSG00000182450 2.360097e+00 0.2080550743 1.26074780 1.650251e-01
## ENSG00000182459 4.334045e-01 0.1388621322 3.20175189 4.337067e-02
## ENSG00000182463 5.424309e+01 -0.4252832315 0.90594728 -4.694349e-01
## ENSG00000182472 7.868012e+00 0.8253620431 0.68013324 1.213530e+00
## ENSG00000182473 3.584661e+03 -0.3597645313 0.11947660 -3.011172e+00
## ENSG00000182477 2.703199e-01 1.7280878899 3.51555352 4.915550e-01
## ENSG00000182481 1.231458e+03 -0.2180596063 0.17700892 -1.231913e+00
## ENSG00000182484 6.540993e+02 -0.0304612100 0.19883878 -1.531955e-01
## ENSG00000182487 0.000000e+00 NA NA NA
## ENSG00000182489 1.557014e+00 -0.7701909806 1.39801301 -5.509183e-01
## ENSG00000182492 8.770062e+03 -0.3762869026 0.19976381 -1.883659e+00
## ENSG00000182504 2.042216e+02 -0.1225764783 0.17289631 -7.089595e-01
## ENSG00000182508 2.958496e+00 -1.2320395606 1.17932363 -1.044700e+00
## ENSG00000182511 2.522728e+02 -0.3555552799 0.36386837 -9.771536e-01
## ENSG00000182512 4.138130e+02 0.0452699058 0.10940372 4.137876e-01
## ENSG00000182518 1.154410e+02 -0.0245498333 0.17499019 -1.402926e-01
## ENSG00000182521 3.265513e+00 -0.4524321370 0.93532464 -4.837167e-01
## ENSG00000182531 0.000000e+00 NA NA NA
## ENSG00000182533 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000182534 7.551737e+03 0.1890834422 0.09978772 1.894857e+00
## ENSG00000182541 5.435242e+02 -0.0050926731 0.13989208 -3.640430e-02
## ENSG00000182544 6.714699e+02 0.1510285982 0.16685671 9.051395e-01
## ENSG00000182545 2.190070e+01 0.0640896081 0.50474733 1.269736e-01
## ENSG00000182551 1.548112e+03 0.6318047356 0.15766419 4.007281e+00
## ENSG00000182552 1.076428e+03 1.0890119012 0.16949184 6.425158e+00
## ENSG00000182557 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000182565 0.000000e+00 NA NA NA
## ENSG00000182566 0.000000e+00 NA NA NA
## ENSG00000182568 8.212296e+02 -0.3302568436 0.16904076 -1.953711e+00
## ENSG00000182574 7.416280e-01 -1.9175188208 2.31642322 -8.277930e-01
## ENSG00000182575 2.896492e+02 1.3022553113 0.44582556 2.920997e+00
## ENSG00000182578 5.077682e+00 -0.3371610535 0.86993543 -3.875702e-01
## ENSG00000182580 4.351503e+02 -1.3182923179 0.35653908 -3.697469e+00
## ENSG00000182583 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000182584 1.518551e+01 0.5822085834 0.47035696 1.237802e+00
## ENSG00000182585 1.247248e+00 2.0767471313 1.89120762 1.098106e+00
## ENSG00000182591 0.000000e+00 NA NA NA
## ENSG00000182600 1.031727e+01 0.2942963357 0.62358136 4.719454e-01
## ENSG00000182601 0.000000e+00 NA NA NA
## ENSG00000182606 1.362162e+03 -0.0202293478 0.16410694 -1.232693e-01
## ENSG00000182612 7.730072e+01 -0.1319061425 0.59604476 -2.213024e-01
## ENSG00000182613 0.000000e+00 NA NA NA
## ENSG00000182621 2.874146e+02 -0.6922902153 0.23854119 -2.902183e+00
## ENSG00000182625 0.000000e+00 NA NA NA
## ENSG00000182628 4.231234e+02 -0.4010585762 0.12532321 -3.200194e+00
## ENSG00000182631 0.000000e+00 NA NA NA

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## ENSG00000182632 1.676260e+00 -1.4951292218 1.41446271 -1.057030e+00
## ENSG00000182634 0.000000e+00 NA NA NA
## ENSG00000182636 1.483335e+03 -0.1504167603 0.23269616 -6.464084e-01
## ENSG00000182645 5.673339e-01 0.3112003601 2.52422771 1.232854e-01
## ENSG00000182652 0.000000e+00 NA NA NA
## ENSG00000182667 1.550686e+02 -0.6557739929 0.29880192 -2.194678e+00
## ENSG00000182670 6.932940e+03 -0.6356153012 0.11345132 -5.602538e+00
## ENSG00000182674 6.622443e+00 -2.2900841866 1.13399412 -2.019485e+00
## ENSG00000182676 1.074914e+00 1.7374658509 2.13691214 8.130731e-01
## ENSG00000182685 3.409503e+01 0.7432584061 0.39287337 1.891852e+00
## ENSG00000182687 6.838719e-01 -0.8574255159 2.03769172 -4.207827e-01
## ENSG00000182698 0.000000e+00 NA NA NA
## ENSG00000182700 3.778461e+02 0.3089160320 0.14560059 2.121667e+00
## ENSG00000182704 1.047437e+03 0.9341169565 0.25073704 3.725484e+00
## ENSG00000182707 0.000000e+00 NA NA NA
## ENSG00000182712 1.080927e+02 0.0773888003 0.23497643 3.293471e-01
## ENSG00000182718 2.533757e+04 0.6746643187 0.10977547 6.145857e+00
## ENSG00000182722 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000182732 6.053771e+00 -2.0309638879 1.03501665 -1.962252e+00
## ENSG00000182742 3.219104e+02 0.2318401243 0.25584409 9.061774e-01
## ENSG00000182747 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000182749 5.571329e+02 0.1657624533 0.11360678 1.459089e+00
## ENSG00000182752 8.290782e+03 0.5296614870 0.64429041 8.220850e-01
## ENSG00000182759 5.885986e-01 2.7902182166 2.78663946 1.001284e+00
## ENSG00000182768 2.063096e+03 -0.2015006982 0.10735582 -1.876942e+00
## ENSG00000182771 2.435691e+01 -0.5049085105 1.28469189 -3.930191e-01
## ENSG00000182774 5.879508e+03 0.0162570357 0.21426893 7.587211e-02
## ENSG00000182782 6.201701e-01 0.7938147151 2.12505283 3.735506e-01
## ENSG00000182783 0.000000e+00 NA NA NA
## ENSG00000182791 5.369037e+00 -0.5402079967 0.82356523 -6.559383e-01
## ENSG00000182793 0.000000e+00 NA NA NA
## ENSG00000182795 8.990694e-01 0.8233071779 2.78948291 2.951469e-01
## ENSG00000182796 9.427625e+02 0.4171214416 0.16497314 2.528420e+00
## ENSG00000182798 4.553317e-01 -2.2310734636 3.04226105 -7.333603e-01
## ENSG00000182809 8.232906e+02 0.7508445566 0.14476304 5.186715e+00
## ENSG00000182810 1.069361e+02 0.1264645606 0.20642788 6.126331e-01
## ENSG00000182814 0.000000e+00 NA NA NA
## ENSG00000182816 0.000000e+00 NA NA NA
## ENSG00000182827 1.479083e+03 0.0456570446 0.09397532 4.858408e-01
## ENSG00000182831 1.600886e+03 0.1074010299 0.08460060 1.269507e+00
## ENSG00000182836 2.689907e+01 2.7399457482 0.76528828 3.580279e+00
## ENSG00000182841 1.532961e+02 -0.0214873882 0.21676297 -9.912850e-02
## ENSG00000182853 8.831730e+00 0.0375844231 0.74793809 5.025071e-02
## ENSG00000182854 0.000000e+00 NA NA NA
## ENSG00000182858 5.326087e+02 -0.1434034050 0.21709604 -6.605528e-01
## ENSG00000182866 1.656797e+00 0.1253813929 1.46943605 8.532620e-02
## ENSG00000182870 8.343599e-01 -1.5002936292 2.30338377 -6.513433e-01
## ENSG00000182871 3.409478e+03 0.4203272039 0.21253291 1.977704e+00
## ENSG00000182872 6.876517e+02 -0.0201814063 0.14136022 -1.427658e-01
## ENSG00000182885 0.000000e+00 NA NA NA
## ENSG00000182888 0.000000e+00 NA NA NA
## ENSG00000182890 1.446723e+01 0.2818486731 0.66942224 4.210327e-01
## ENSG00000182896 5.779180e-01 0.6737450073 2.98428394 2.257644e-01
## ENSG00000182898 0.000000e+00 NA NA NA

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## ENSG00000182899 5.433324e+03    0.0109251119 0.16120938  6.776970e-02
## ENSG00000182901 4.659648e+01    -0.3500128787 0.79158209 -4.421688e-01
## ENSG00000182902 9.969771e+00    0.5177584042 0.51802413  9.994870e-01
## ENSG00000182903 2.996894e+02    0.0477899779 0.19161062  2.494120e-01
## ENSG00000182916 4.057211e+02    -0.4961737889 0.12884968 -3.850796e+00
## ENSG00000182919 4.457839e+02    0.0052178097 0.15053460  3.466186e-02
## ENSG00000182921 0.000000e+00      NA          NA          NA
## ENSG00000182923 5.815699e+02    0.0347500804 0.15852248  2.192123e-01
## ENSG00000182931 2.704278e+00    -1.2121008126 1.17681392 -1.029985e+00
## ENSG00000182934 3.062180e+03    0.0583660057 0.10259676  5.688874e-01
## ENSG00000182938 0.000000e+00      NA          NA          NA
## ENSG00000182944 3.899371e+03    0.2065355382 0.12033768  1.716300e+00
## ENSG00000182950 6.242761e+00    -1.3394366807 0.81045907 -1.652689e+00
## ENSG00000182952 8.700180e+02    0.2933352472 0.10563562  2.776859e+00
## ENSG00000182957 7.736842e+02    -0.5918670092 0.17215432 -3.438003e+00
## ENSG00000182963 3.853440e+02    -0.3272535829 0.18416801 -1.776930e+00
## ENSG00000182965 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000182968 0.000000e+00      NA          NA          NA
## ENSG00000182973 3.158572e+02    -0.0877295871 0.17059204 -5.142654e-01
## ENSG00000182974 0.000000e+00      NA          NA          NA
## ENSG00000182979 1.194535e+03    0.0662668528 0.11564691  5.730102e-01
## ENSG00000182983 1.097823e+02    -0.4567707162 0.38255550 -1.193999e+00
## ENSG00000182985 1.184309e+02    -1.3733139395 0.45418482 -3.023690e+00
## ENSG00000182986 2.834964e+02    -0.2575237069 0.19694699 -1.307579e+00
## ENSG00000182993 3.714803e+01    0.2010029109 0.35002336  5.742557e-01
## ENSG00000183010 3.665521e+02    -0.6697988688 0.23269152 -2.878484e+00
## ENSG00000183011 3.687162e+02    0.1932423454 0.16502683  1.170975e+00
## ENSG00000183018 6.670642e+00    -0.9509878384 0.95714958 -9.935624e-01
## ENSG00000183019 0.000000e+00      NA          NA          NA
## ENSG00000183020 7.045583e+02    0.0170706669 0.27571866  6.191335e-02
## ENSG00000183022 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000183023 1.101157e+03    -0.7414786810 0.23668679 -3.132742e+00
## ENSG00000183024 0.000000e+00      NA          NA          NA
## ENSG00000183032 2.723619e+01    -0.7296047067 0.36070510 -2.022718e+00
## ENSG00000183034 0.000000e+00      NA          NA          NA
## ENSG00000183035 0.000000e+00      NA          NA          NA
## ENSG00000183036 0.000000e+00      NA          NA          NA
## ENSG00000183044 5.342681e+02    1.0062862582 0.09513541  1.057741e+01
## ENSG00000183048 7.478925e+01    0.1644931728 0.23308996  7.057068e-01
## ENSG00000183049 3.257474e+02    -0.7213463019 0.16907134 -4.266520e+00
## ENSG00000183054 7.057942e+02    -0.3228522324 0.22966594 -1.405747e+00
## ENSG00000183055 5.041046e-01    2.5098982316 3.46731992  7.238727e-01
## ENSG00000183060 1.327242e+02    0.0335911011 0.20997157  1.599793e-01
## ENSG00000183066 1.080919e+01    -0.0490554325 0.50701168 -9.675405e-02
## ENSG00000183067 1.176431e+01    -0.4068844523 0.61227084 -6.645498e-01
## ENSG00000183072 0.000000e+00      NA          NA          NA
## ENSG00000183077 2.670172e+02    0.3408108410 0.17548572  1.942100e+00
## ENSG00000183087 1.472707e+04    0.3963868533 0.41388149  9.577303e-01
## ENSG00000183090 2.745976e+00    -3.0537631334 2.22462092 -1.372712e+00
## ENSG00000183091 1.931148e+01    0.1520343131 0.47634118  3.191710e-01
## ENSG00000183092 7.307837e+00    -2.3989055899 1.23611388 -1.940683e+00
## ENSG00000183098 4.048192e+03    -0.0491172594 0.31317132 -1.568383e-01
## ENSG00000183111 1.994084e+02    -0.6376883951 0.39139635 -1.629265e+00
## ENSG00000183114 3.674992e-01    -0.5488902050 3.29256405 -1.667060e-01

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## ENSG00000183117 1.306363e+01    0.7385608461 1.03670816 7.124096e-01
## ENSG00000183122 0.000000e+00      NA        NA        NA
## ENSG00000183128 2.630364e-01    1.7010395714 3.51732531 4.836174e-01
## ENSG00000183130 0.000000e+00      NA        NA        NA
## ENSG00000183134 2.867791e+01    0.6705217072 0.87646389 7.650306e-01
## ENSG00000183137 2.202485e+02   -0.4493490339 0.15091758 -2.977447e+00
## ENSG00000183145 2.243374e+00   -0.1161291091 1.12479708 -1.032445e-01
## ENSG00000183146 1.247248e+00    2.0767471313 1.89120762 1.098106e+00
## ENSG00000183148 8.542751e-01   -0.4208522197 1.96433550 -2.142466e-01
## ENSG00000183150 2.026071e+00    0.4897960501 1.23578887 3.963428e-01
## ENSG00000183153 5.966185e+01    0.0204968985 0.24799337 8.265099e-02
## ENSG00000183155 1.744219e+02    0.2008830377 0.14739545 1.362885e+00
## ENSG00000183160 2.936724e+03   -1.1732105794 0.13604730 -8.623549e+00
## ENSG00000183161 1.346990e+02   -0.1292621460 0.16982975 -7.611278e-01
## ENSG00000183166 2.142924e+00    0.6938835393 1.33069543 5.214443e-01
## ENSG00000183169 4.449081e+00    2.4881039388 1.23399814 2.016295e+00
## ENSG00000183171 7.022912e+00    0.4391618384 0.67215442 6.533645e-01
## ENSG00000183172 5.338873e+01    0.0081946486 0.23640782 3.466319e-02
## ENSG00000183185 2.121478e-01   -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000183186 3.920972e-01   0.0162080213 3.29878257 4.913334e-03
## ENSG00000183196 1.046632e+01   -0.3784933811 0.50927750 -7.431967e-01
## ENSG00000183199 8.719854e-01    1.4979779371 1.95561155 7.659895e-01
## ENSG00000183206 1.772093e+01   -0.2301679149 0.45618301 -5.045517e-01
## ENSG00000183207 7.308399e+02    0.1895282912 0.15182814 1.248308e+00
## ENSG00000183208 5.873146e+01   -0.1394997579 0.32563788 -4.283892e-01
## ENSG00000183214 2.978908e+01   -0.3948080290 1.87074842 -2.110428e-01
## ENSG00000183230 1.699544e+00   -4.1329256322 2.85929551 -1.445435e+00
## ENSG00000183239 1.388017e-01   0.8946997229 3.53381154 2.531826e-01
## ENSG00000183246 6.672998e+00   -1.2417589324 1.64046024 -7.569577e-01
## ENSG00000183248 1.202374e+00   -1.7605890228 2.13466608 -8.247609e-01
## ENSG00000183249 0.000000e+00      NA        NA        NA
## ENSG00000183251 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000183255 7.202900e+03    0.3427461878 0.15806688 2.168362e+00
## ENSG00000183258 1.028065e+03   -0.0117074478 0.19973539 -5.861479e-02
## ENSG00000183260 4.949145e+01   -0.0933848924 0.35053139 -2.664095e-01
## ENSG00000183269 0.000000e+00      NA        NA        NA
## ENSG00000183273 1.753547e+00   -1.1603450268 1.83669506 -6.317570e-01
## ENSG00000183281 6.134435e+01    0.0533587279 0.33405291 1.597314e-01
## ENSG00000183283 3.383560e+03    0.0913001027 0.07904032 1.155108e+00
## ENSG00000183287 6.626516e+03    0.5215026270 0.14634157 3.563599e+00
## ENSG00000183291 3.214684e+03    0.3112595998 0.10095888 3.083033e+00
## ENSG00000183292 4.479942e+00    0.3844411636 0.95263816 4.035542e-01
## ENSG00000183298 1.145104e+00    1.2249985065 1.65467808 7.403244e-01
## ENSG00000183303 0.000000e+00      NA        NA        NA
## ENSG00000183304 7.417289e-01   -0.7623444630 1.83238145 -4.160403e-01
## ENSG00000183305 0.000000e+00      NA        NA        NA
## ENSG00000183307 8.187330e+00   -0.0029426726 0.62446842 -4.712284e-03
## ENSG00000183309 2.435233e+02    0.4789809423 0.84016109 5.701061e-01
## ENSG00000183310 0.000000e+00      NA        NA        NA
## ENSG00000183311 1.482404e+03   -1.3208815693 2.35173174 -5.616634e-01
## ENSG00000183313 0.000000e+00      NA        NA        NA
## ENSG00000183317 3.022542e+00   -0.3097960038 1.21093918 -2.558312e-01
## ENSG00000183318 3.278030e-01    0.8186900419 3.38340546 2.419722e-01
## ENSG00000183323 1.603755e+02    0.2027540739 0.31927242 6.350504e-01

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## ENSG00000183324 0.000000e+00 NA NA NA
## ENSG00000183336 1.158262e+02 0.0266321984 0.18630808 1.429471e-01
## ENSG00000183337 5.413384e+02 0.0155877521 0.14558849 1.070672e-01
## ENSG00000183340 3.505639e+02 -0.1476822582 0.11286761 -1.308456e+00
## ENSG00000183346 3.902186e+01 -0.7192658701 0.58621570 -1.226965e+00
## ENSG00000183347 2.167073e+00 0.7340144631 1.21155597 6.058445e-01
## ENSG00000183354 7.369143e+02 -0.1411634107 0.13171347 -1.071746e+00
## ENSG00000183378 4.744264e+00 1.5775482011 1.27343756 1.238811e+00
## ENSG00000183379 7.772847e-01 0.4388543227 2.26282737 1.939407e-01
## ENSG00000183386 4.223917e+02 0.1899916714 0.16673392 1.139490e+00
## ENSG00000183389 0.000000e+00 NA NA NA
## ENSG00000183395 2.556810e+00 -3.9419256934 1.43560613 -2.745827e+00
## ENSG00000183396 4.979130e-01 0.3565877320 3.09485337 1.152196e-01
## ENSG00000183397 5.705475e+01 0.5007866981 0.34824160 1.438044e+00
## ENSG00000183401 1.925249e+02 -0.3002347770 0.16290243 -1.843034e+00
## ENSG00000183421 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000183423 1.821898e+00 -0.2403358231 1.71539883 -1.401049e-01
## ENSG00000183426 1.422841e+03 0.2284224790 0.30666041 7.448711e-01
## ENSG00000183431 1.232938e+03 0.0046258234 0.14419333 3.208070e-02
## ENSG00000183432 0.000000e+00 NA NA NA
## ENSG00000183434 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000183439 2.967937e+01 0.2303568609 0.43622427 5.280698e-01
## ENSG00000183444 4.324815e+01 -0.4761784339 0.41417989 -1.149690e+00
## ENSG00000183454 1.554804e+01 -2.3899223725 0.92931051 -2.571716e+00
## ENSG00000183458 7.885890e+02 0.2685227433 0.39852858 6.737854e-01
## ENSG00000183463 0.000000e+00 NA NA NA
## ENSG00000183474 1.244053e+02 -0.5388653652 0.36363924 -1.481868e+00
## ENSG00000183475 3.932022e+02 0.0399237799 0.13763266 2.900749e-01
## ENSG00000183476 3.547469e+00 -1.6344452942 1.03189776 -1.583922e+00
## ENSG00000183479 2.183337e+01 -0.2275182599 0.38221481 -5.952628e-01
## ENSG00000183484 9.897857e+00 -0.5168326335 0.62816462 -8.227662e-01
## ENSG00000183486 1.084482e+02 -0.2848625323 0.25890326 -1.100266e+00
## ENSG00000183495 1.356496e+03 -0.1010091219 0.08927127 -1.131485e+00
## ENSG00000183496 1.900457e+02 -1.6768711382 0.40892233 -4.100708e+00
## ENSG00000183506 3.782709e+02 -0.1656189406 0.23595601 -7.019060e-01
## ENSG00000183508 9.030525e+01 -2.5068106080 0.35665503 -7.028670e+00
## ENSG00000183513 3.682912e+02 0.0012827700 0.15493770 8.279263e-03
## ENSG00000183514 0.000000e+00 NA NA NA
## ENSG00000183520 4.690917e+02 0.0009383725 0.15674366 5.986670e-03
## ENSG00000183527 2.954641e+02 -0.0750786091 0.14206609 -5.284766e-01
## ENSG00000183530 6.455329e+02 0.2394490337 0.13380136 1.789586e+00
## ENSG00000183542 0.000000e+00 NA NA NA
## ENSG00000183549 7.435192e-01 -0.3502303048 2.27650281 -1.538458e-01
## ENSG00000183559 0.000000e+00 NA NA NA
## ENSG00000183560 2.259036e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000183566 0.000000e+00 NA NA NA
## ENSG00000183569 8.270325e+01 -0.0743040028 0.20468146 -3.630226e-01
## ENSG00000183570 1.765783e+02 1.5554645418 0.60075327 2.589190e+00
## ENSG00000183571 1.180024e+00 1.2284961337 1.70787495 7.193127e-01
## ENSG00000183574 5.417513e+01 -0.1876182734 0.31260262 -6.001814e-01
## ENSG00000183576 9.337154e+02 0.2368002752 0.12359832 1.915886e+00
## ENSG00000183578 5.749651e+02 0.4133848978 0.33972542 1.216821e+00
## ENSG00000183579 1.558495e+02 0.2380956609 0.16769468 1.419816e+00
## ENSG00000183580 6.672807e+02 0.5575275425 0.22452740 2.483116e+00

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## ENSG00000183586	0.000000e+00	NA	NA	NA
## ENSG00000183597	4.621700e+02	-0.0251519629	0.23032488	-1.092021e-01
## ENSG00000183598	3.084754e+00	0.7267148993	1.15148978	6.311084e-01
## ENSG00000183604	1.184692e+02	0.1428612556	0.22676992	6.299833e-01
## ENSG00000183605	8.942591e+01	-0.0102345603	0.27937098	-3.663430e-02
## ENSG00000183607	0.000000e+00	NA	NA	NA
## ENSG00000183615	4.386711e+01	-0.1633460290	0.36985566	-4.416480e-01
## ENSG00000183617	1.984037e+02	0.1114978334	0.15562768	7.164396e-01
## ENSG00000183621	4.942442e+02	0.7026614076	0.15849289	4.433394e+00
## ENSG00000183624	3.494352e+02	0.2243802418	0.13967781	1.606413e+00
## ENSG00000183625	3.467170e+00	-0.5674265050	0.98489578	-5.761285e-01
## ENSG00000183628	4.114756e+01	0.4102899762	0.42969957	9.548299e-01
## ENSG00000183629	1.171673e+00	-0.5779259393	1.78131888	-3.244371e-01
## ENSG00000183631	0.000000e+00	NA	NA	NA
## ENSG00000183632	3.109952e-01	1.9306485847	3.50319368	5.511110e-01
## ENSG00000183638	3.605528e+01	0.2664458827	0.33012204	8.071133e-01
## ENSG00000183640	0.000000e+00	NA	NA	NA
## ENSG00000183644	1.910528e+01	1.6042263118	0.70680036	2.269702e+00
## ENSG00000183647	5.096774e+01	0.0998058670	0.32656014	3.056278e-01
## ENSG00000183648	4.424833e+02	-0.0318880689	0.12281819	-2.596364e-01
## ENSG00000183654	1.388017e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000183655	1.414785e+02	0.6419822342	0.20641675	3.110127e+00
## ENSG00000183662	2.272934e+00	0.4023441688	1.30910550	3.073428e-01
## ENSG00000183663	0.000000e+00	NA	NA	NA
## ENSG00000183665	1.222372e+02	0.0022503666	0.19970877	1.126824e-02
## ENSG00000183666	1.673914e+02	-0.5244348711	0.19578978	-2.678561e+00
## ENSG00000183668	3.056523e+01	-0.7486763147	1.13711911	-6.583974e-01
## ENSG00000183671	3.594371e+02	0.3728236683	0.31978184	1.165869e+00
## ENSG00000183682	6.938976e+00	-0.2594532567	0.63718150	-4.071889e-01
## ENSG00000183684	3.978810e+02	0.0350203374	0.16133418	2.170671e-01
## ENSG00000183688	1.173784e+03	0.7875443330	0.20789768	3.788134e+00
## ENSG00000183690	2.870241e+01	0.6272100503	0.45744089	1.371128e+00
## ENSG00000183691	6.964838e+00	1.6236626857	0.71340728	2.275927e+00
## ENSG00000183695	0.000000e+00	NA	NA	NA
## ENSG00000183696	1.112323e+02	-1.0506509581	0.42144064	-2.492999e+00
## ENSG00000183704	0.000000e+00	NA	NA	NA
## ENSG00000183706	0.000000e+00	NA	NA	NA
## ENSG00000183709	0.000000e+00	NA	NA	NA
## ENSG00000183715	4.906961e-01	0.3500900715	3.50871542	9.977728e-02
## ENSG00000183718	3.112399e+02	0.3021061064	0.14724387	2.051740e+00
## ENSG00000183722	3.035768e+03	0.7091635407	0.08678374	8.171618e+00
## ENSG00000183723	5.158132e+02	0.7559824918	0.20025135	3.775168e+00
## ENSG00000183726	2.553963e+03	0.7115325790	0.11594296	6.136919e+00
## ENSG00000183729	1.388017e-01	0.8946997229	3.53381154	2.531826e-01
## ENSG00000183733	0.000000e+00	NA	NA	NA
## ENSG00000183734	1.065463e-01	-0.5479727975	3.53381154	-1.550657e-01
## ENSG00000183735	6.799127e+02	0.0447480237	0.11748938	3.808687e-01
## ENSG00000183741	3.718843e+03	-0.0360280464	0.16995639	-2.119841e-01
## ENSG00000183742	3.751707e+01	-0.5265501517	0.31703877	-1.660838e+00
## ENSG00000183747	2.108748e+01	-0.2211925036	0.53926485	-4.101742e-01
## ENSG00000183751	5.054882e+02	0.0957755298	0.14303640	6.695885e-01
## ENSG00000183753	0.000000e+00	NA	NA	NA
## ENSG00000183760	6.546423e+00	-0.0649205667	0.67098139	-9.675465e-02
## ENSG00000183762	2.320030e+03	-0.3253076741	0.14697781	-2.213311e+00

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## ENSG00000183763 2.850081e+01 -0.6868371718 0.37796304 -1.817207e+00
## ENSG00000183765 2.281701e+02 -0.1219328858 0.28377421 -4.296828e-01
## ENSG00000183770 1.008940e+00 -0.5822303943 1.89088027 -3.079150e-01
## ENSG00000183773 1.419581e+01 0.7547649467 0.57115017 1.321482e+00
## ENSG00000183775 7.748248e+01 -0.8100630295 0.42404213 -1.910336e+00
## ENSG00000183778 4.026900e+00 -1.2535870143 0.90944555 -1.378408e+00
## ENSG00000183779 1.307929e+03 0.5345956228 0.31861339 1.677882e+00
## ENSG00000183780 4.655004e-01 1.3989805823 3.49275182 4.005382e-01
## ENSG00000183783 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000183784 9.237999e+00 0.2849342164 0.60068938 4.743454e-01
## ENSG00000183785 1.630663e+01 -0.1659782918 0.58487564 -2.837839e-01
## ENSG00000183791 3.945545e-01 2.1990168352 3.48706939 6.306203e-01
## ENSG00000183793 3.282041e+01 -0.1408701659 0.41226960 -3.416943e-01
## ENSG00000183795 0.000000e+00 NA NA NA
## ENSG00000183798 4.357905e+00 -0.2419943607 0.91815286 -2.635665e-01
## ENSG00000183801 1.377207e+03 -0.9552075755 0.25380798 -3.763505e+00
## ENSG00000183807 6.689529e+00 0.9286012058 0.97215500 9.551987e-01
## ENSG00000183808 4.638163e+02 0.0697822573 0.20111880 3.469703e-01
## ENSG00000183813 1.000576e+01 -0.4204971717 0.51947914 -8.094592e-01
## ENSG00000183814 4.520549e+01 -0.5308157990 0.36144543 -1.468592e+00
## ENSG00000183826 5.260585e+02 0.0880142688 0.13897964 6.332889e-01
## ENSG00000183828 8.703391e+01 -0.4079456730 0.25408120 -1.605572e+00
## ENSG00000183831 2.632735e+01 -1.0935860687 0.50140653 -2.181037e+00
## ENSG00000183833 1.175089e+01 -0.0648326691 0.76678021 -8.455183e-02
## ENSG00000183837 1.098047e+01 -0.9325752361 0.55195785 -1.689577e+00
## ENSG00000183840 1.687792e+01 0.5124261192 0.53221395 9.628198e-01
## ENSG00000183844 8.977684e-01 1.6085828341 2.67983864 6.002536e-01
## ENSG00000183850 5.259652e+00 -0.4076672081 0.97873168 -4.165260e-01
## ENSG00000183853 6.763228e+03 -0.1704545750 0.15379030 -1.108357e+00
## ENSG00000183856 3.856897e+01 -0.3028680016 0.43304536 -6.993909e-01
## ENSG00000183862 0.000000e+00 NA NA NA
## ENSG00000183864 2.354670e+03 0.3317971175 0.13330038 2.489094e+00
## ENSG00000183873 1.699495e+02 0.8060487133 0.87040187 9.260650e-01
## ENSG00000183876 2.135356e+02 -1.8285464325 0.47318747 -3.864317e+00
## ENSG00000183878 2.097495e+02 -0.3607260013 1.49263702 -2.416703e-01
## ENSG00000183888 8.126748e+00 0.2222395626 0.63407561 3.504938e-01
## ENSG00000183889 1.128583e+03 0.4098517955 0.19719136 2.078447e+00
## ENSG00000183891 7.290434e+01 0.5522765183 0.32280914 1.710845e+00
## ENSG00000183908 1.058837e+00 1.7904385090 1.86612503 9.594419e-01
## ENSG00000183909 0.000000e+00 NA NA NA
## ENSG00000183911 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000183914 1.615546e+01 0.3278612754 0.49217450 6.661484e-01
## ENSG00000183918 1.805305e+00 2.0592682117 1.82497700 1.128380e+00
## ENSG00000183921 9.324863e-01 -1.2118651941 2.27106348 -5.336113e-01
## ENSG00000183929 4.941845e+00 0.2125947779 0.79117786 2.687067e-01
## ENSG00000183935 2.164371e+02 -0.3448969747 0.22338723 -1.543942e+00
## ENSG00000183938 0.000000e+00 NA NA NA
## ENSG00000183943 2.635598e+02 -0.0731879649 0.21783384 -3.359807e-01
## ENSG00000183955 1.143314e+03 -0.4354671115 0.17286901 -2.519058e+00
## ENSG00000183960 7.674317e+00 -0.9192283752 1.31370514 -6.997220e-01
## ENSG00000183963 1.496110e+03 -0.7084728295 0.19689845 -3.598164e+00
## ENSG00000183971 2.973307e+00 -0.9839315653 1.13725083 -8.651843e-01
## ENSG00000183977 4.228143e+00 -0.1445571162 0.88191573 -1.639126e-01
## ENSG00000183978 4.244019e+02 0.1020922815 0.13340649 7.652722e-01

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## ENSG00000183979 1.766902e+00 -1.6429512534 1.70979247 -9.609068e-01
## ENSG00000183981 0.000000e+00 NA NA NA
## ENSG00000184005 1.928698e+01 1.0937341206 0.57809435 1.891965e+00
## ENSG00000184007 3.920493e+03 0.2281276531 0.08875290 2.570368e+00
## ENSG00000184009 5.781626e+04 0.5662141970 0.17262852 3.279957e+00
## ENSG00000184012 2.056063e+00 -0.3437490506 1.11265358 -3.089453e-01
## ENSG00000184014 3.501399e+03 0.1857845121 0.07620617 2.437920e+00
## ENSG00000184022 0.000000e+00 NA NA NA
## ENSG00000184029 0.000000e+00 NA NA NA
## ENSG00000184032 0.000000e+00 NA NA NA
## ENSG00000184033 0.000000e+00 NA NA NA
## ENSG00000184047 6.450485e+02 -0.2605726397 0.11150514 -2.336867e+00
## ENSG00000184055 0.000000e+00 NA NA NA
## ENSG00000184056 2.691031e+02 -0.1110434844 0.21971240 -5.054038e-01
## ENSG00000184058 6.371301e+00 0.2356331995 0.86711325 2.717444e-01
## ENSG00000184060 2.536807e+01 -0.4968549223 0.65977164 -7.530711e-01
## ENSG00000184076 6.411272e+02 0.0902688693 0.12215074 7.389957e-01
## ENSG00000184083 4.567736e+02 0.4790411738 0.16987253 2.820004e+00
## ENSG00000184084 4.718441e-01 1.3550811320 3.07728981 4.403489e-01
## ENSG00000184100 2.692155e-01 1.7862987311 3.51183999 5.086504e-01
## ENSG00000184106 3.648974e+00 -1.2731343795 1.62605397 -7.829595e-01
## ENSG00000184108 0.000000e+00 NA NA NA
## ENSG00000184110 7.467215e+03 -0.0972715605 0.19786454 -4.916068e-01
## ENSG00000184111 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000184113 6.159962e-01 -1.5873376765 2.89506146 -5.482915e-01
## ENSG00000184117 7.777849e+02 -0.2392456388 0.14390550 -1.662519e+00
## ENSG00000184139 2.513480e+01 -0.4055979870 0.64732478 -6.265757e-01
## ENSG00000184140 0.000000e+00 NA NA NA
## ENSG00000184144 3.347714e-01 -1.7919132981 3.48921116 -5.135583e-01
## ENSG00000184148 0.000000e+00 NA NA NA
## ENSG00000184154 1.580012e+02 -0.0040647360 0.22593378 -1.799083e-02
## ENSG00000184155 0.000000e+00 NA NA NA
## ENSG00000184156 1.741233e+01 2.4973792417 0.66625141 3.748404e+00
## ENSG00000184160 3.343115e+00 2.0236524221 1.32609271 1.526026e+00
## ENSG00000184162 7.903748e+01 0.5053760700 0.21887391 2.308983e+00
## ENSG00000184163 1.213785e+01 -0.1008017635 0.56155503 -1.795047e-01
## ENSG00000184164 7.550817e+02 -0.1671359446 0.29144177 -5.734797e-01
## ENSG00000184166 0.000000e+00 NA NA NA
## ENSG00000184178 2.878255e+02 -0.1968371151 0.20256619 -9.717175e-01
## ENSG00000184182 6.370014e+02 -0.0313480873 0.17631565 -1.777953e-01
## ENSG00000184185 4.442468e+01 0.9543555919 0.33568272 2.843029e+00
## ENSG00000184188 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000184194 1.218086e+02 -0.4910572251 0.36454928 -1.347026e+00
## ENSG00000184203 7.439430e+02 -0.0572459823 0.15771472 -3.629717e-01
## ENSG00000184205 7.592781e+02 -0.6524585940 0.18888273 -3.454305e+00
## ENSG00000184206 2.161901e+02 0.1008080518 0.19328360 5.215551e-01
## ENSG00000184207 1.616156e+02 0.1844179253 0.15504459 1.189451e+00
## ENSG00000184208 8.761502e+02 -0.2861097623 0.12984289 -2.203507e+00
## ENSG00000184209 1.982685e+02 0.1253368917 0.16566038 7.565894e-01
## ENSG00000184210 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000184216 2.544333e+03 0.2612423021 0.19883227 1.313883e+00
## ENSG00000184220 1.623651e+02 0.2534810770 0.15680950 1.616491e+00
## ENSG00000184221 0.000000e+00 NA NA NA
## ENSG00000184226 6.322880e+01 0.4743228392 0.30454019 1.557505e+00

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## ENSG00000184227 7.140504e+01    0.8187056358 0.45594505  1.795623e+00
## ENSG00000184232 1.223435e+03   -0.1378422444 0.30197571 -4.564680e-01
## ENSG00000184254 1.589865e+03   -1.2238332274 0.44819066 -2.730608e+00
## ENSG00000184258 5.267266e+01   -0.0139235529 0.45829644 -3.038111e-02
## ENSG00000184260 1.991805e+00   0.9180428471 1.15815962  7.926739e-01
## ENSG00000184261 1.795173e+00   -2.4191499545 1.74530622 -1.386089e+00
## ENSG00000184270 1.862932e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000184271 2.775898e+02   -0.0660399685 0.18044573 -3.659824e-01
## ENSG00000184276 1.194601e+00   0.0143452613 1.45705915  9.845353e-03
## ENSG00000184277 5.723691e+02   0.0953289027 0.14634417  6.514021e-01
## ENSG00000184281 3.324641e+02   0.0840915811 0.17184104  4.893568e-01
## ENSG00000184292 2.377511e+01   0.4178773665 0.48973714  8.532687e-01
## ENSG00000184293 2.723303e-01   -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000184302 0.000000e+00   NA          NA          NA
## ENSG00000184303 1.388017e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000184304 7.814325e+02   0.6719995197 0.13835398  4.857103e+00
## ENSG00000184305 2.549026e+00   1.1458286668 1.08526219  1.055808e+00
## ENSG00000184307 1.006376e+02   1.4121025911 0.42116440  3.352854e+00
## ENSG00000184313 1.567687e+01   -0.7927381499 0.42454865 -1.867249e+00
## ENSG00000184319 7.535171e+02   -0.3806964999 0.28323334 -1.344109e+00
## ENSG00000184321 0.000000e+00   NA          NA          NA
## ENSG00000184330 0.000000e+00   NA          NA          NA
## ENSG00000184343 4.966404e+01   -0.3437860375 0.76669480 -4.484001e-01
## ENSG00000184344 0.000000e+00   NA          NA          NA
## ENSG00000184345 0.000000e+00   NA          NA          NA
## ENSG00000184347 1.623519e+04   -0.1204942418 0.25834668 -4.664052e-01
## ENSG00000184349 2.418562e+02   0.1156893892 0.23606331  4.900778e-01
## ENSG00000184350 5.154514e-01   -1.4267844417 3.04048004 -4.692629e-01
## ENSG00000184351 0.000000e+00   NA          NA          NA
## ENSG00000184357 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000184361 6.343363e-01   -0.9676620033 2.40569467 -4.022381e-01
## ENSG00000184363 6.484389e+00   -0.5330003789 0.83936275 -6.350060e-01
## ENSG00000184368 4.719675e+00   0.3625105509 1.21732499  2.977927e-01
## ENSG00000184371 3.097944e+03   0.3696964633 0.13491823  2.740152e+00
## ENSG00000184374 1.753708e+01   -0.9133823388 0.55129179 -1.656804e+00
## ENSG00000184378 8.098517e+01   0.0870729535 0.28006141  3.109066e-01
## ENSG00000184381 3.059553e+02   0.3329595673 0.20989180  1.586339e+00
## ENSG00000184384 1.093734e+03   0.0465140783 0.13267489  3.505869e-01
## ENSG00000184388 0.000000e+00   NA          NA          NA
## ENSG00000184389 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000184394 0.000000e+00   NA          NA          NA
## ENSG00000184402 2.145642e+02   -0.1211407451 0.17472285 -6.933309e-01
## ENSG00000184408 5.652133e+01   -1.8125686690 0.81983314 -2.210899e+00
## ENSG00000184414 6.144583e-01   0.8134622828 2.45640686  3.311594e-01
## ENSG00000184423 0.000000e+00   NA          NA          NA
## ENSG00000184428 2.616355e+02   0.0245707861 0.16366155  1.501317e-01
## ENSG00000184432 4.438490e+03   -0.0539516196 0.09903539 -5.447711e-01
## ENSG00000184434 5.277691e+00   -0.1607657010 0.73808692 -2.178140e-01
## ENSG00000184436 2.652919e+02   -0.2436117625 0.17629651 -1.381830e+00
## ENSG00000184445 2.493905e+02   0.0369569589 0.30610551  1.207327e-01
## ENSG00000184451 4.607707e+01   -0.6927924642 0.34921247 -1.983871e+00
## ENSG00000184454 8.438454e+00   -0.1880160378 0.59082079 -3.182285e-01
## ENSG00000184459 3.814123e-01   -1.9584875894 3.47783891 -5.631335e-01
## ENSG00000184465 3.726469e+02   -0.2921128916 0.15900548 -1.837125e+00

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## ENSG00000184470 3.339575e+02    0.2331333946 0.18202018  1.280811e+00
## ENSG00000184471 0.000000e+00      NA        NA        NA
## ENSG00000184478 0.000000e+00      NA        NA        NA
## ENSG00000184481 5.901118e+02    0.1524986402 0.15961410  9.554208e-01
## ENSG00000184486 4.994898e-01    0.2673401027 2.56818187  1.040970e-01
## ENSG00000184489 1.756182e+01    -0.5318599930 0.49408096 -1.076463e+00
## ENSG00000184492 3.146280e+00    -0.1495175805 1.09459004 -1.365969e-01
## ENSG00000184494 1.593344e+02    -0.3856692925 0.18890515 -2.041603e+00
## ENSG00000184497 7.597592e+01    0.4668907324 0.35202958  1.326283e+00
## ENSG00000184500 1.237754e+03    0.2005772364 0.27307017  7.345263e-01
## ENSG00000184502 0.000000e+00      NA        NA        NA
## ENSG00000184507 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000184508 1.209906e+02    -0.0671242280 0.21396113 -3.137216e-01
## ENSG00000184515 1.315182e-01   0.8946997229 3.53381154  2.531826e-01
## ENSG00000184517 1.820814e+02    -0.3108873976 0.17862303 -1.740466e+00
## ENSG00000184523 2.855509e-01   0.6955464566 3.52545350  1.972928e-01
## ENSG00000184524 4.624049e+01    0.1608289698 0.41614825  3.864704e-01
## ENSG00000184530 1.002380e+01    0.2165857376 0.56635305  3.824218e-01
## ENSG00000184544 0.000000e+00      NA        NA        NA
## ENSG00000184545 5.381916e+00   -0.5741801609 1.21532943 -4.724482e-01
## ENSG00000184557 1.175977e+03   -0.0888848580 0.19206332 -4.627893e-01
## ENSG00000184560 2.448756e-01   0.1733657147 3.53381154  4.905913e-02
## ENSG00000184564 4.306202e+01   -2.9736481356 0.72967084 -4.075328e+00
## ENSG00000184571 6.742519e-01   -1.5929033126 2.34302782 -6.798482e-01
## ENSG00000184574 2.130927e-01   -1.2312738004 3.52871919 -3.489294e-01
## ENSG00000184575 3.434230e+03    -0.5313402223 0.10640390 -4.993616e+00
## ENSG00000184584 1.258363e+03   0.5311495807 0.22753862  2.334327e+00
## ENSG00000184588 2.551652e+02   -0.0114213535 0.58722161 -1.944982e-02
## ENSG00000184599 1.342204e+00   -2.8526219553 1.65103015 -1.727783e+00
## ENSG00000184601 0.000000e+00      NA        NA        NA
## ENSG00000184602 7.144185e+02    0.1901483943 0.18637684  1.020236e+00
## ENSG00000184611 1.368968e+00   -0.4638812768 1.59182415 -2.914149e-01
## ENSG00000184612 9.593303e-01   -0.6907179536 1.88193985 -3.670245e-01
## ENSG00000184613 5.972424e-01   -0.1527936347 3.47325357 -4.399150e-02
## ENSG00000184616 3.768482e+00   0.0279308940 0.89054558  3.136380e-02
## ENSG00000184617 4.170691e-01   1.2159985350 3.15334637  3.856216e-01
## ENSG00000184619 6.101972e+01   -0.3874173174 0.26023681 -1.488711e+00
## ENSG00000184624 0.000000e+00      NA        NA        NA
## ENSG00000184634 1.349187e+03   -0.3366050981 0.18420628 -1.827327e+00
## ENSG00000184635 4.580607e+01   -0.2369787259 0.27376265 -8.656357e-01
## ENSG00000184640 8.611285e+03    -0.4053494188 0.19141869 -2.117606e+00
## ENSG00000184647 5.380032e-01   1.5009265442 3.00134005  5.000855e-01
## ENSG00000184650 8.973850e-02   0.8946997229 3.53381154  2.531826e-01
## ENSG00000184659 6.637700e-01   2.9615653110 3.44505058  8.596580e-01
## ENSG00000184661 4.026937e+01   -0.3554050168 0.34525149 -1.029409e+00
## ENSG00000184669 0.000000e+00      NA        NA        NA
## ENSG00000184672 1.932651e+00   -0.9241420157 1.18292611 -7.812339e-01
## ENSG00000184675 1.580894e+02   -0.0287928390 0.16393564 -1.756350e-01
## ENSG00000184677 8.581917e+02   -0.0564242039 0.10308003 -5.473825e-01
## ENSG00000184678 1.842586e+02   -0.0697666180 0.29755204 -2.344686e-01
## ENSG00000184682 1.244295e+00   -3.6692949465 2.34944749 -1.561769e+00
## ENSG00000184697 3.256582e+00   0.1020429726 0.95536754  1.068102e-01
## ENSG00000184698 0.000000e+00      NA        NA        NA
## ENSG00000184702 3.912916e+02   -0.4255663831 0.19399118 -2.193741e+00

```

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## ENSG00000184708 5.771281e+02    0.1086662732 0.11708313  9.281121e-01
## ENSG00000184709 0.000000e+00      NA        NA        NA
## ENSG00000184716 3.906667e+00    0.1156089900 1.04527690  1.106013e-01
## ENSG00000184719 1.600391e+02   -0.0067500306 0.26843889 -2.514550e-02
## ENSG00000184724 0.000000e+00      NA        NA        NA
## ENSG00000184730 1.891999e+00   -0.8499111003 1.25681120 -6.762441e-01
## ENSG00000184731 2.110900e+00   -0.8642976918 1.48780047 -5.809231e-01
## ENSG00000184735 6.447339e-01   -0.1359776639 2.98453533 -4.556075e-02
## ENSG00000184741 0.000000e+00      NA        NA        NA
## ENSG00000184743 3.645566e+03    0.7276854649 0.20517501  3.546657e+00
## ENSG00000184752 3.145065e+02    0.0133220300 0.17023889  7.825492e-02
## ENSG00000184761 0.000000e+00      NA        NA        NA
## ENSG00000184774 2.305993e+00   -0.0307955718 1.04132857 -2.957335e-02
## ENSG00000184785 2.793935e+02    0.5946214140 0.19360060  3.071382e+00
## ENSG00000184786 2.478793e+01    0.0539287014 0.32295178  1.669869e-01
## ENSG00000184787 1.492864e+03    0.1287708097 0.11193372  1.150420e+00
## ENSG00000184788 0.000000e+00      NA        NA        NA
## ENSG00000184789 0.000000e+00      NA        NA        NA
## ENSG00000184792 1.963253e+01   -0.6933836413 0.43902181 -1.579383e+00
## ENSG00000184795 0.000000e+00      NA        NA        NA
## ENSG00000184811 0.000000e+00      NA        NA        NA
## ENSG00000184814 0.000000e+00      NA        NA        NA
## ENSG00000184828 1.697645e+00   -4.1215904303 2.05763732 -2.003069e+00
## ENSG00000184831 7.244881e+01   -0.0948242927 0.29224048 -3.244735e-01
## ENSG00000184838 2.632365e+02    0.2630642082 0.23591306  1.115090e+00
## ENSG00000184840 3.090961e+03    0.0416094268 0.11417443  3.644373e-01
## ENSG00000184844 0.000000e+00      NA        NA        NA
## ENSG00000184845 9.070762e-01   -1.0881543576 2.67728852 -4.064390e-01
## ENSG00000184857 1.055442e+02    0.0705057097 0.22636919  3.114634e-01
## ENSG00000184860 1.497133e+01   -0.5085481388 0.75573489 -6.729187e-01
## ENSG00000184863 1.118105e+03    0.3008297191 0.11548926  2.604828e+00
## ENSG00000184867 1.458619e+03   -0.3939914152 0.15623621 -2.521768e+00
## ENSG00000184881 0.000000e+00      NA        NA        NA
## ENSG00000184887 7.200826e+02    0.2133450678 0.10042094  2.124508e+00
## ENSG00000184895 1.899008e+00   -0.1097171561 2.14510834 -5.114761e-02
## ENSG00000184897 6.775303e+02    0.1432129918 0.16563908  8.646087e-01
## ENSG00000184898 7.568552e+02   -0.6768064390 0.16897635 -4.005332e+00
## ENSG00000184900 1.630060e+03    0.1422742780 0.08491248  1.675540e+00
## ENSG00000184903 1.081421e+02    0.0322004244 0.19698494  1.634664e-01
## ENSG00000184905 5.662154e+00   -0.3306021369 0.84667929 -3.904691e-01
## ENSG00000184908 7.714385e+00    0.8553110451 0.77365999  1.105539e+00
## ENSG00000184911 0.000000e+00      NA        NA        NA
## ENSG00000184916 3.636635e+01   -1.2630346179 0.44708127 -2.825067e+00
## ENSG00000184922 4.854548e+02   -0.4092909090 0.21873376 -1.871183e+00
## ENSG00000184923 6.988990e+01   -0.2265251612 0.69541121 -3.257428e-01
## ENSG00000184924 2.439867e+02    0.0269349548 0.17775150  1.515315e-01
## ENSG00000184925 7.521556e-01    1.3036662290 1.99511792  6.534282e-01
## ENSG00000184933 0.000000e+00      NA        NA        NA
## ENSG00000184937 2.427115e-01   -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000184939 7.685105e+02   -0.3245570222 0.16647522 -1.949582e+00
## ENSG00000184945 0.000000e+00      NA        NA        NA
## ENSG00000184949 7.240710e+01   -0.6047216532 0.33642797 -1.797477e+00
## ENSG00000184954 0.000000e+00      NA        NA        NA
## ENSG00000184956 0.000000e+00      NA        NA        NA

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## ENSG00000184961 2.520913e+00 -0.7624848391 2.48958768 -3.062695e-01
## ENSG00000184967 1.650639e+02 0.2180995517 0.19032115 1.145955e+00
## ENSG00000184979 8.732145e+01 0.3520509746 0.19628025 1.793614e+00
## ENSG00000184983 1.158165e+02 0.0380729865 1.01924480 3.735411e-02
## ENSG00000184984 6.908604e+00 -0.0140292032 0.83907737 -1.671980e-02
## ENSG00000184985 7.488079e+01 1.6362119523 0.54915000 2.979536e+00
## ENSG00000184986 3.430470e+01 -0.0474846676 0.44471376 -1.067758e-01
## ENSG00000184988 6.946223e+01 -0.8230443706 0.39601749 -2.078303e+00
## ENSG00000184990 5.6666230e+02 0.0479832166 0.22548041 2.128044e-01
## ENSG00000184992 1.280484e+02 0.2337243639 0.21131614 1.106041e+00
## ENSG00000184995 1.411333e+01 -0.5482623988 0.50851622 -1.078161e+00
## ENSG00000184999 0.000000e+00 NA NA NA
## ENSG00000185000 3.039517e+02 0.2101615943 0.15116117 1.390315e+00
## ENSG00000185002 0.000000e+00 NA NA NA
## ENSG00000185008 6.441411e+01 -0.8636277067 0.51776252 -1.668000e+00
## ENSG00000185009 1.225756e+03 0.0710038350 0.10862810 6.536415e-01
## ENSG00000185010 2.372231e+02 -0.0386818112 0.18183010 -2.127360e-01
## ENSG00000185013 2.171763e+01 -0.4615192549 0.48213635 -9.572380e-01
## ENSG00000185015 2.226542e+01 0.2049417386 0.35425818 5.785095e-01
## ENSG00000185019 2.350118e+02 -0.0652834657 0.14755004 -4.424497e-01
## ENSG00000185022 6.403699e+02 1.2708757801 0.19112670 6.649389e+00
## ENSG00000185024 4.835055e+02 -0.2569086560 0.09432472 -2.723662e+00
## ENSG00000185028 0.000000e+00 NA NA NA
## ENSG00000185031 1.274385e+00 -1.1133627289 1.60764889 -6.925410e-01
## ENSG00000185033 5.971178e+02 0.0137051391 0.19832040 6.910605e-02
## ENSG00000185037 0.000000e+00 NA NA NA
## ENSG00000185038 2.928395e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000185040 1.200826e+01 -0.2997650311 0.57967739 -5.171239e-01
## ENSG00000185041 0.000000e+00 NA NA NA
## ENSG00000185043 7.469400e+02 0.0100870860 0.13131410 7.681647e-02
## ENSG00000185046 1.832769e+01 0.0424272899 0.46753835 9.074612e-02
## ENSG00000185049 3.961584e+02 -0.0575010754 0.12606956 -4.561059e-01
## ENSG00000185052 4.174593e+01 1.6599761971 0.90488932 1.834452e+00
## ENSG00000185053 5.970407e-01 -2.6163060454 3.44357461 -7.597646e-01
## ENSG00000185055 8.154314e+00 -0.1534678385 0.58442122 -2.625980e-01
## ENSG00000185056 0.000000e+00 NA NA NA
## ENSG00000185069 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000185070 1.056830e+03 -0.5994075600 0.28585031 -2.096928e+00
## ENSG00000185074 8.973850e-02 0.8946997229 3.53381154 2.531826e-01
## ENSG00000185078 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000185085 5.047784e+02 0.1797956837 0.14119398 1.273395e+00
## ENSG00000185087 1.507128e+01 0.3967524878 0.49309749 8.046127e-01
## ENSG00000185088 3.162031e+03 0.1559217398 0.14057269 1.109189e+00
## ENSG00000185090 4.460873e+01 -0.0320991306 0.43261496 -7.419792e-02
## ENSG00000185100 1.499275e+02 -0.6270787025 0.28772156 -2.179464e+00
## ENSG00000185101 5.834850e+00 -1.7969863177 1.33626221 -1.344786e+00
## ENSG00000185104 7.564216e+02 0.1651979455 0.12466714 1.325112e+00
## ENSG00000185105 2.460857e+00 0.5143304113 1.21964519 4.217049e-01
## ENSG00000185112 5.797506e+02 1.2379580097 0.31152216 3.973900e+00
## ENSG00000185115 1.899143e+02 -0.1284949633 0.13662979 -9.404608e-01
## ENSG00000185122 1.187347e+03 0.4492566534 0.11246833 3.994517e+00
## ENSG00000185127 1.406227e+03 0.0912391463 0.08184619 1.114763e+00
## ENSG00000185129 1.311277e+03 0.1094743312 0.14505430 7.547127e-01
## ENSG00000185130 6.080466e-01 -2.6373811032 2.81248682 -9.377399e-01

```

```

## ENSG00000185133 3.754215e+00 -0.5450629081 0.92454080 -5.895499e-01
## ENSG00000185149 0.000000e+00 NA NA NA
## ENSG00000185155 3.550172e+00 0.2009702571 1.13241571 1.774704e-01
## ENSG00000185156 0.000000e+00 NA NA NA
## ENSG00000185158 2.161371e+02 -0.1876712842 0.14281972 -1.314043e+00
## ENSG00000185163 2.417841e+02 0.3425436043 0.27826794 1.230985e+00
## ENSG00000185164 2.745536e+03 0.0665011277 0.18553081 3.584371e-01
## ENSG00000185176 0.000000e+00 NA NA NA
## ENSG00000185177 0.000000e+00 NA NA NA
## ENSG00000185182 4.824677e-01 0.3216514467 3.14668654 1.022191e-01
## ENSG00000185187 1.761391e+02 0.2783837646 0.26588203 1.047020e+00
## ENSG00000185189 1.444674e+03 0.5008619484 0.13104607 3.822030e+00
## ENSG00000185198 2.723303e-01 -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000185201 2.445739e+03 0.2547969468 0.09677037 2.633006e+00
## ENSG00000185215 8.761433e+02 -0.6742085022 0.26118379 -2.581357e+00
## ENSG00000185219 3.547575e+02 -0.3829926464 0.14112241 -2.713904e+00
## ENSG00000185220 7.343584e+01 -0.2766896609 0.23011620 -1.202391e+00
## ENSG00000185221 0.000000e+00 NA NA NA
## ENSG00000185222 2.805055e+03 0.6825681442 0.12995090 5.252508e+00
## ENSG00000185231 8.306839e-01 -1.4744739342 2.84765103 -5.177860e-01
## ENSG00000185236 1.770380e+03 0.1305139088 0.08223474 1.587090e+00
## ENSG00000185238 2.200996e+02 0.0415325812 0.13553413 3.064363e-01
## ENSG00000185245 1.725269e+01 -0.1690252039 0.40997627 -4.122805e-01
## ENSG00000185246 5.919562e+02 -0.0555683944 0.13078806 -4.248736e-01
## ENSG00000185247 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000185250 5.242158e+01 -0.2411744548 0.32427682 -7.437302e-01
## ENSG00000185252 1.453081e+02 -0.7930697998 0.20644801 -3.841499e+00
## ENSG00000185261 8.675448e+01 0.2649595165 0.20582856 1.287283e+00
## ENSG00000185262 3.675136e+02 0.8286166378 0.21202288 3.908147e+00
## ENSG00000185264 0.000000e+00 NA NA NA
## ENSG00000185267 4.783786e+01 -0.6537379724 0.32823037 -1.991705e+00
## ENSG00000185269 1.620305e+00 -0.2898176182 1.55356888 -1.865496e-01
## ENSG00000185271 4.267548e+00 -0.0061388324 0.85206161 -7.204681e-03
## ENSG00000185272 3.517935e-01 -1.8549850361 3.48475477 -5.323144e-01
## ENSG00000185274 2.627975e+01 0.8797145961 0.90862086 9.681867e-01
## ENSG00000185275 0.000000e+00 NA NA NA
## ENSG00000185278 4.546011e+02 -0.2026671716 0.16323311 -1.241581e+00
## ENSG00000185290 2.469244e+00 -0.7925174888 1.11755818 -7.091510e-01
## ENSG00000185291 4.534035e+01 0.2158205496 0.27161254 7.945898e-01
## ENSG00000185294 0.000000e+00 NA NA NA
## ENSG00000185296 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000185298 4.200288e+02 0.4044856728 0.14785801 2.735636e+00
## ENSG00000185303 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000185304 9.911780e+01 0.0260630142 1.03608199 2.515536e-02
## ENSG00000185305 6.756687e+02 0.0602490919 0.20078577 3.000665e-01
## ENSG00000185306 6.504260e+00 -2.4774136908 0.87651891 -2.826424e+00
## ENSG00000185313 7.912272e-01 2.2470665838 1.95217945 1.151055e+00
## ENSG00000185319 0.000000e+00 NA NA NA
## ENSG00000185324 5.296322e+02 0.0383603247 0.16764677 2.288164e-01
## ENSG00000185332 7.664319e+00 1.2370721601 0.70411019 1.756930e+00
## ENSG00000185338 2.231040e+02 -1.1790864529 0.31632550 -3.727447e+00
## ENSG00000185339 3.197673e+02 -0.2251159011 0.35518097 -6.338062e-01
## ENSG00000185340 3.606394e+02 0.2705900463 0.19561253 1.383296e+00
## ENSG00000185344 4.689570e+02 0.1840620270 0.13239447 1.390255e+00

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```

## ENSG00000185345 7.701745e+01    0.4550837898 0.43862579 1.037522e+00
## ENSG00000185347 2.786950e+01    0.0529491190 0.40604832 1.304010e-01
## ENSG00000185352 3.759123e+00    3.9375499171 1.45099700 2.713686e+00
## ENSG00000185359 1.948676e+03    0.2949618035 0.12525491 2.354892e+00
## ENSG00000185361 1.226290e+02    0.2983810009 0.16536459 1.804383e+00
## ENSG00000185372 0.000000e+00      NA          NA          NA
## ENSG00000185379 3.846627e+02    -0.1333131247 0.16910608 -7.883402e-01
## ENSG00000185385 1.168349e+00    0.2105791332 1.63786838 1.285690e-01
## ENSG00000185386 2.964583e+02    0.5238372984 0.21925330 2.389188e+00
## ENSG00000185390 0.000000e+00      NA          NA          NA
## ENSG00000185404 3.853512e+02    -0.1362818715 0.20711196 -6.580106e-01
## ENSG00000185414 3.712330e+02    -0.1229273678 0.18916143 -6.498543e-01
## ENSG00000185418 1.964967e+02    -0.5351274642 0.23072331 -2.319347e+00
## ENSG00000185420 2.709262e+02    -0.2559485608 0.17519606 -1.460927e+00
## ENSG00000185432 3.844862e+03    2.2710372960 0.25968266 8.745433e+00
## ENSG00000185436 1.171687e+00    2.9031259615 2.18870291 1.326414e+00
## ENSG00000185437 7.127449e+01    -0.2557895246 0.33685589 -7.593441e-01
## ENSG00000185442 8.352838e+01    0.7010866618 0.50846656 1.378825e+00
## ENSG00000185448 0.000000e+00      NA          NA          NA
## ENSG00000185453 3.109472e+02    -0.0309744701 0.11850668 -2.613732e-01
## ENSG00000185467 2.291699e-01    -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000185475 5.640339e+02    0.1816414761 0.11094807 1.637176e+00
## ENSG00000185477 4.811342e+00    -0.3554888286 0.80178235 -4.433732e-01
## ENSG00000185479 0.000000e+00      NA          NA          NA
## ENSG00000185480 1.849515e+02    -0.7139711206 0.20591033 -3.467389e+00
## ENSG00000185482 1.390104e+01    -0.8124727769 0.56880338 -1.428389e+00
## ENSG00000185483 1.223059e+03    0.2824169937 0.16607092 1.700581e+00
## ENSG00000185485 2.907331e+02    -0.1020499892 0.16121102 -6.330212e-01
## ENSG00000185495 9.342570e+01    -0.2982987873 0.36839461 -8.097262e-01
## ENSG00000185499 3.972608e+02    0.7680863962 0.28585539 2.686975e+00
## ENSG00000185504 5.293444e+02    -0.2420512990 0.15392581 -1.572519e+00
## ENSG00000185507 4.494932e+01    -0.5821745046 0.69322150 -8.398102e-01
## ENSG00000185513 1.302281e+02    -0.4105833691 0.26501500 -1.549284e+00
## ENSG00000185515 4.268811e+02    0.2116231164 0.11625159 1.820389e+00
## ENSG00000185518 2.900045e+00    -0.1685412324 1.18619837 -1.420852e-01
## ENSG00000185519 3.833991e+00    0.8123318897 0.81704148 9.942358e-01
## ENSG00000185522 4.797729e+00    2.2202810008 1.40701997 1.578002e+00
## ENSG00000185523 2.338703e+00    -0.2574146910 1.21517024 -2.118343e-01
## ENSG00000185527 3.723552e+00    0.0343728624 1.17572943 2.923535e-02
## ENSG00000185532 1.537015e+03    -0.5272753558 0.11624305 -4.535973e+00
## ENSG00000185551 3.280020e+03    0.8389172788 0.23124814 3.627780e+00
## ENSG00000185559 2.551595e+00    0.9728467660 1.77729207 5.473759e-01
## ENSG00000185561 5.905852e+02    0.8928417550 0.29356290 3.041398e+00
## ENSG00000185565 3.404114e+03    0.1292526830 0.20572696 6.282730e-01
## ENSG00000185567 4.131358e+03    -0.4216358358 0.66900274 -6.302453e-01
## ENSG00000185585 1.462839e+03    -1.3485968253 0.62376620 -2.162023e+00
## ENSG00000185591 2.040064e+03    -0.0475984380 0.10938695 -4.351382e-01
## ENSG00000185594 0.000000e+00      NA          NA          NA
## ENSG00000185596 3.180530e+02    -0.1950728641 0.16719960 -1.166707e+00
## ENSG00000185607 8.009037e-01    -0.2739523723 2.00237963 -1.368134e-01
## ENSG00000185608 4.576895e+02    0.1710109628 0.12493727 1.368775e+00
## ENSG00000185610 0.000000e+00      NA          NA          NA
## ENSG00000185614 5.212735e+01    0.0325243174 0.29240920 1.112288e-01
## ENSG00000185615 1.326001e+00    0.6850880264 2.15250954 3.182741e-01

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## ENSG00000185619 1.038555e+03    0.0210747236 0.14011695  1.504081e-01
## ENSG00000185621 3.576001e+02   -0.3517595583 0.13345726 -2.635747e+00
## ENSG00000185624 1.786043e+04   -0.0224875940 0.10430617 -2.155922e-01
## ENSG00000185627 1.195125e+03    0.0009012233 0.13040581  6.910914e-03
## ENSG00000185630 3.834580e+03   -0.2496437652 0.15662720 -1.593872e+00
## ENSG00000185631 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000185633 2.677638e+02   -0.4407560340 0.46608658 -9.456527e-01
## ENSG00000185634 1.156343e+02   -0.0796485069 0.25200433 -3.160601e-01
## ENSG00000185638 0.000000e+00      NA        NA        NA
## ENSG00000185640 0.000000e+00      NA        NA        NA
## ENSG00000185641 2.433406e+00    0.2842803214 1.37055441  2.074199e-01
## ENSG00000185650 4.004111e+03   -0.6835801174 0.17694958 -3.863135e+00
## ENSG00000185651 1.681179e+03    0.1691578692 0.07928524  2.133535e+00
## ENSG00000185652 2.821586e+02   -0.3111737377 0.27033596 -1.151063e+00
## ENSG00000185658 1.409030e+03    0.1058211259 0.08480126  1.247872e+00
## ENSG00000185662 0.000000e+00      NA        NA        NA
## ENSG00000185664 2.021145e+01   -0.0244817413 0.61169061 -4.002308e-02
## ENSG00000185666 4.993867e+00   -1.7175534899 0.94371857 -1.819985e+00
## ENSG00000185668 3.319775e-01   -0.5489483375 3.38908478 -1.619754e-01
## ENSG00000185669 6.342518e+00   -0.9220739657 0.86954174 -1.060414e+00
## ENSG00000185670 7.967051e+01    0.0754242274 0.36785363  2.050387e-01
## ENSG00000185674 1.144253e+00    0.7885850180 1.80364883  4.372165e-01
## ENSG00000185681 1.359066e+00   -0.1289796853 1.59267048 -8.098328e-02
## ENSG00000185684 2.928560e+02   -0.1661778303 0.17728686 -9.373387e-01
## ENSG00000185686 0.000000e+00      NA        NA        NA
## ENSG00000185689 1.325556e+01   -0.4468231665 0.55822799 -8.004313e-01
## ENSG00000185697 7.491700e+01   -0.8897651073 0.40843567 -2.178471e+00
## ENSG00000185701 0.000000e+00      NA        NA        NA
## ENSG00000185710 4.837443e+01   -0.6643606463 0.70161096 -9.469075e-01
## ENSG00000185716 4.782262e+02    0.7245023244 0.18848825  3.843753e+00
## ENSG00000185721 6.504862e+02    0.2266529415 0.14779188  1.533595e+00
## ENSG00000185722 2.248545e+03   -0.0099374871 0.07828186 -1.269450e-01
## ENSG00000185728 2.215929e+03   -0.0816230386 0.11692829 -6.980607e-01
## ENSG00000185730 9.771167e+01   -0.2131207687 0.24534928 -8.686423e-01
## ENSG00000185736 2.338127e+00   -0.4417535916 1.20340028 -3.670878e-01
## ENSG00000185737 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000185739 5.409027e+00   -1.5413227565 0.85155741 -1.810005e+00
## ENSG00000185742 8.624201e+00   -0.1147798242 0.89085395 -1.288425e-01
## ENSG00000185745 2.839979e+02   -1.5998426358 0.37346470 -4.283785e+00
## ENSG00000185753 2.456424e+02   -0.0008135579 0.13025273 -6.245995e-03
## ENSG00000185758 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000185760 3.659668e+01   -0.6780671233 0.65784890 -1.030734e+00
## ENSG00000185761 4.296827e+02    0.1153259115 0.33450520  3.447657e-01
## ENSG00000185774 1.678699e+01   -0.2377324925 0.42934619 -5.537082e-01
## ENSG00000185775 0.000000e+00      NA        NA        NA
## ENSG00000185787 7.647085e+03    0.0902556194 0.11894919  7.587746e-01
## ENSG00000185792 4.285322e-01   -0.5488040601 3.16342252 -1.734843e-01
## ENSG00000185798 9.561810e+01    0.2550220875 0.19547718  1.304613e+00
## ENSG00000185800 7.804825e+02    0.1755459115 0.13684248  1.282832e+00
## ENSG00000185803 5.863005e+02    0.4439848480 0.14256143  3.114341e+00
## ENSG00000185808 2.054359e+02    0.0043589121 0.19709081  2.211626e-02
## ENSG00000185811 0.000000e+00      NA        NA        NA
## ENSG00000185813 5.426530e+02    1.0673492249 0.15259419  6.994691e+00
## ENSG00000185818 2.526658e+00    0.0915656335 1.07891688  8.486811e-02

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## ENSG00000185821 0.000000e+00 NA NA NA
## ENSG00000185823 5.196026e+00 0.2807096844 0.71902063 3.904056e-01
## ENSG00000185825 1.989393e+03 0.2248600804 0.11823565 1.901796e+00
## ENSG00000185829 1.589817e+02 0.1603893879 0.24984101 6.419658e-01
## ENSG00000185834 1.919477e+00 0.8689942048 1.66742295 5.211600e-01
## ENSG00000185838 7.718905e+01 0.1383858296 0.33715859 4.104473e-01
## ENSG00000185839 5.639413e-01 -2.5420557066 2.84494734 -8.935335e-01
## ENSG00000185842 6.987905e+01 -0.1081043172 0.22313716 -4.844747e-01
## ENSG00000185860 5.020884e+00 1.3102010700 1.00032704 1.309773e+00
## ENSG00000185862 2.424274e+01 -0.6947762744 0.66732352 -1.041139e+00
## ENSG00000185863 4.666047e-01 1.3736818137 2.52152334 5.447825e-01
## ENSG00000185864 1.925746e+02 0.0774493080 0.20533857 3.771786e-01
## ENSG00000185869 1.142954e+02 -0.0416014166 0.20570746 -2.022358e-01
## ENSG00000185873 1.649718e+00 -1.2086703921 1.45522120 -8.305750e-01
## ENSG00000185875 6.908202e+01 -0.7618678412 0.27194439 -2.801558e+00
## ENSG00000185880 1.895329e+02 -0.1643117693 0.17368915 -9.460106e-01
## ENSG00000185883 1.602373e+03 0.2181210355 0.10958918 1.990352e+00
## ENSG00000185885 6.394865e+02 -0.1735533048 0.12770189 -1.359050e+00
## ENSG00000185888 0.000000e+00 NA NA NA
## ENSG00000185894 0.000000e+00 NA NA NA
## ENSG00000185896 1.105598e+04 0.0100783111 0.08340990 1.208287e-01
## ENSG00000185897 0.000000e+00 NA NA NA
## ENSG00000185899 0.000000e+00 NA NA NA
## ENSG00000185900 4.489299e+01 -0.0494176863 0.31149252 -1.586481e-01
## ENSG00000185903 0.000000e+00 NA NA NA
## ENSG00000185905 2.684023e+00 0.2374206999 0.98000612 2.422645e-01
## ENSG00000185909 4.900944e+02 0.1689804649 0.25821898 6.544076e-01
## ENSG00000185915 5.140962e-01 1.4934992520 2.49157037 5.994209e-01
## ENSG00000185917 2.848782e+02 -0.3592097261 0.17299733 -2.076389e+00
## ENSG00000185920 1.082741e+03 0.0727791648 0.28679568 2.537666e-01
## ENSG00000185924 1.445442e+00 -0.1431553422 1.42259888 -1.006294e-01
## ENSG00000185926 0.000000e+00 NA NA NA
## ENSG00000185933 4.200625e+00 0.3665263411 0.98469230 3.722242e-01
## ENSG00000185940 0.000000e+00 NA NA NA
## ENSG00000185942 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000185946 4.625187e+02 0.0449793104 0.15910847 2.826959e-01
## ENSG00000185947 1.284152e+02 -0.0403403568 0.23194326 -1.739234e-01
## ENSG00000185950 2.275982e+03 2.1665096918 0.21996093 9.849520e+00
## ENSG00000185955 5.566114e+00 -0.1256319486 0.83866118 -1.498006e-01
## ENSG00000185958 4.571439e+00 0.3950777126 0.83677193 4.721450e-01
## ENSG00000185960 6.544062e+00 0.0517376694 0.64347849 8.040311e-02
## ENSG00000185962 0.000000e+00 NA NA NA
## ENSG00000185963 1.019357e+03 0.1889894911 0.09286726 2.035050e+00
## ENSG00000185966 0.000000e+00 NA NA NA
## ENSG00000185972 1.362693e+01 -1.4263745867 0.51030207 -2.795157e+00
## ENSG00000185973 2.435853e+02 -0.4088345115 0.15077379 -2.711576e+00
## ENSG00000185974 0.000000e+00 NA NA NA
## ENSG00000185982 0.000000e+00 NA NA NA
## ENSG00000185985 2.858679e+00 0.0069336379 1.08538843 6.388163e-03
## ENSG00000185986 7.340718e+01 -0.0908211988 0.29726771 -3.055199e-01
## ENSG00000185988 2.441966e+00 0.4802978961 1.15201384 4.169202e-01
## ENSG00000185989 5.583322e+02 0.1650166836 0.18745415 8.803043e-01
## ENSG00000186001 1.388968e+03 -0.2127576580 0.16357724 -1.300656e+00
## ENSG00000186007 2.723303e-01 -1.3930988009 3.51984433 -3.957842e-01

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## ENSG00000186008 2.285402e-01    1.5394092413 3.52295593 4.369652e-01
## ENSG00000186009 1.361651e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186010 1.324576e+03   -0.0500699020 0.17328451 -2.889462e-01
## ENSG00000186017 1.649255e+02   -0.1736285801 0.26221994 -6.621486e-01
## ENSG00000186020 2.514392e+02   -0.2292440415 0.17099336 -1.340660e+00
## ENSG00000186026 1.121655e+02    0.0799973647 0.20777905 3.850117e-01
## ENSG00000186038 0.000000e+00      NA        NA        NA
## ENSG00000186047 2.448756e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000186049 0.000000e+00      NA        NA        NA
## ENSG00000186051 5.611475e-01   -1.5515459583 2.08898674 -7.427266e-01
## ENSG00000186063 3.884661e+03    0.3832298494 0.10037561 3.817958e+00
## ENSG00000186073 3.259382e+02   -0.5571427074 0.13364770 -4.168741e+00
## ENSG00000186074 0.000000e+00      NA        NA        NA
## ENSG00000186075 3.523639e+00    0.2325420051 0.89994607 2.583955e-01
## ENSG00000186076 3.140848e+00    5.1951855005 3.37614872 1.538790e+00
## ENSG00000186081 1.060739e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186082 2.380645e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000186086 3.600584e-01    2.0858235074 3.23978618 6.438152e-01
## ENSG00000186088 1.613752e+02    0.5947291386 0.20693276 2.874021e+00
## ENSG00000186090 0.000000e+00      NA        NA        NA
## ENSG00000186092 0.000000e+00      NA        NA        NA
## ENSG00000186094 2.754814e+00   -0.3469567248 0.95828630 -3.620596e-01
## ENSG00000186103 7.267113e-01    0.3971662204 2.31322768 1.716935e-01
## ENSG00000186104 1.539166e+02   -0.2754846276 0.17462873 -1.577545e+00
## ENSG00000186105 2.839806e+00    0.9554257083 1.19496096 7.995455e-01
## ENSG00000186106 1.110045e+02   -0.0425210994 0.22406065 -1.897750e-01
## ENSG00000186111 2.359575e+03    0.0621922004 0.07293750 8.526780e-01
## ENSG00000186113 0.000000e+00      NA        NA        NA
## ENSG00000186115 5.552068e-01    2.6838113792 3.45793674 7.761308e-01
## ENSG00000186117 0.000000e+00      NA        NA        NA
## ENSG00000186118 8.822251e-01   -1.0293165455 1.95400273 -5.267733e-01
## ENSG00000186119 0.000000e+00      NA        NA        NA
## ENSG00000186124 0.000000e+00      NA        NA        NA
## ENSG00000186130 2.434372e+02    0.0881774663 0.14508043 6.077833e-01
## ENSG00000186132 8.072009e+01    0.0159714375 0.19083375 8.369294e-02
## ENSG00000186136 1.226236e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186141 6.409872e+02    0.0693171873 0.13201624 5.250656e-01
## ENSG00000186143 0.000000e+00      NA        NA        NA
## ENSG00000186146 0.000000e+00      NA        NA        NA
## ENSG00000186150 1.578324e+00    1.2623402025 1.56850585 8.048043e-01
## ENSG00000186152 0.000000e+00      NA        NA        NA
## ENSG00000186153 1.977431e+02   -0.1709991119 0.17934302 -9.534752e-01
## ENSG00000186160 0.000000e+00      NA        NA        NA
## ENSG00000186162 1.765476e+02   -0.0952334108 0.21511062 -4.427183e-01
## ENSG00000186163 0.000000e+00      NA        NA        NA
## ENSG00000186166 8.211741e+01   -0.1463988554 0.18627067 -7.859469e-01
## ENSG00000186174 3.132647e+03    0.1967894058 0.12260153 1.605114e+00
## ENSG00000186184 9.057227e+02    0.0921165175 0.17088429 5.390578e-01
## ENSG00000186185 1.809118e+01   -0.2085581407 0.49992336 -4.171802e-01
## ENSG00000186187 6.574316e+02    0.0303655980 0.19059122 1.593232e-01
## ENSG00000186188 5.591542e+00    0.1816253196 0.70421427 2.579120e-01
## ENSG00000186190 0.000000e+00      NA        NA        NA
## ENSG00000186191 2.614253e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000186193 5.446487e+00    0.4531314831 0.84214191 5.380702e-01

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## ENSG00000186197 3.018863e-01 -0.5062260209 3.52889772 -1.434516e-01
## ENSG00000186198 4.254847e+01 -1.5324234885 0.49972296 -3.066546e+00
## ENSG00000186204 4.093775e-01 -1.0128167315 3.49346056 -2.899179e-01
## ENSG00000186205 9.397966e+01 -0.5330046029 0.33330972 -1.599127e+00
## ENSG00000186207 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186212 2.850842e+00 -0.0448165307 1.23207409 -3.637487e-02
## ENSG00000186222 1.731220e+02 -0.0108041701 0.14031806 -7.699771e-02
## ENSG00000186223 0.000000e+00 NA NA NA
## ENSG00000186226 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186230 4.860422e+01 -0.0662325476 0.33608177 -1.970727e-01
## ENSG00000186231 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000186232 0.000000e+00 NA NA NA
## ENSG00000186234 3.493517e+00 -1.1156982001 0.93719309 -1.190468e+00
## ENSG00000186244 0.000000e+00 NA NA NA
## ENSG00000186260 7.033268e+02 -0.5610136903 0.17611986 -3.185408e+00
## ENSG00000186265 1.256766e+00 -2.2228585155 2.67902236 -8.297275e-01
## ENSG00000186268 0.000000e+00 NA NA NA
## ENSG00000186272 9.861532e+01 -0.0875992734 0.20786784 -4.214181e-01
## ENSG00000186280 1.752769e+01 -0.4304493031 0.43015665 -1.000680e+00
## ENSG00000186281 8.752372e+01 0.2201606128 0.70771008 3.110887e-01
## ENSG00000186283 6.225857e+02 0.2088765470 0.19410753 1.076087e+00
## ENSG00000186288 3.333971e+00 -1.0236703809 1.02784940 -9.959342e-01
## ENSG00000186297 1.372435e+00 1.4772166167 1.84374320 8.012052e-01
## ENSG00000186298 1.979156e+03 0.0618611078 0.08768067 7.055273e-01
## ENSG00000186300 1.480988e+02 0.0439798969 0.17516831 2.510722e-01
## ENSG00000186301 3.748295e+01 0.3387858352 0.33769426 1.003232e+00
## ENSG00000186306 0.000000e+00 NA NA NA
## ENSG00000186310 8.178747e+01 -0.9619048369 0.28434196 -3.382915e+00
## ENSG00000186312 1.244986e+02 -0.0939664652 0.20632278 -4.554343e-01
## ENSG00000186314 4.081357e+01 0.7734202504 0.45451437 1.701641e+00
## ENSG00000186318 3.713152e+03 -0.0233072375 0.12929138 -1.802691e-01
## ENSG00000186326 2.279869e+00 -1.4999265258 1.29657807 -1.156835e+00
## ENSG00000186328 0.000000e+00 NA NA NA
## ENSG00000186329 6.820253e+01 -0.0072993463 0.28764163 -2.537653e-02
## ENSG00000186334 3.753988e+00 0.4908543008 0.94240715 5.208516e-01
## ENSG00000186335 7.963351e+00 -0.1270197532 0.60567293 -2.097167e-01
## ENSG00000186340 1.442961e+04 -0.5493469100 0.18760599 -2.928195e+00
## ENSG00000186350 1.819847e+03 0.1540294329 0.17052668 9.032571e-01
## ENSG00000186352 1.161759e+02 0.3995745141 0.31175009 1.281714e+00
## ENSG00000186354 3.647219e+01 -0.1414976410 0.51781356 -2.732598e-01
## ENSG00000186364 5.606603e+01 -0.8361000338 0.30628217 -2.729836e+00
## ENSG00000186367 2.685199e+00 -0.2644923421 1.00185663 -2.640022e-01
## ENSG00000186376 4.045648e+02 0.0175260641 0.16674689 1.051058e-01
## ENSG00000186377 2.894474e+01 -0.7639397259 1.13770428 -6.714748e-01
## ENSG00000186393 3.487854e-01 -1.8425188840 3.28824698 -5.603347e-01
## ENSG00000186395 2.038568e+02 0.3634352804 0.20283647 1.791765e+00
## ENSG00000186399 9.098646e+01 -0.3796979681 0.23690694 -1.602730e+00
## ENSG00000186400 0.000000e+00 NA NA NA
## ENSG00000186407 1.952388e+00 -0.6566717479 1.31593766 -4.990143e-01
## ENSG00000186409 8.605496e+01 -0.1716443500 0.23571197 -7.281953e-01
## ENSG00000186416 1.483017e+02 0.2703286374 0.15118139 1.788108e+00
## ENSG00000186417 8.779166e+02 -0.4923734305 0.42833032 -1.149518e+00
## ENSG00000186431 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186432 1.909456e+03 -0.1853178501 0.20527242 -9.027898e-01

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## ENSG00000186439	0.000000e+00	NA	NA	NA
## ENSG00000186440	0.000000e+00	NA	NA	NA
## ENSG00000186442	0.000000e+00	NA	NA	NA
## ENSG00000186446	3.966053e+01	-0.2133039074	0.31816896	-6.704108e-01
## ENSG00000186448	2.482779e+02	-0.2919667611	0.12530257	-2.330094e+00
## ENSG00000186451	6.325459e-01	-1.6234301925	2.38039574	-6.820001e-01
## ENSG00000186452	1.993494e+00	0.6434070932	1.20761649	5.327909e-01
## ENSG00000186453	3.492703e+00	-0.3167662551	1.03068388	-3.073360e-01
## ENSG00000186458	0.000000e+00	NA	NA	NA
## ENSG00000186462	6.364670e+01	1.0029066739	0.80531390	1.245361e+00
## ENSG00000186466	2.121478e-01	-1.2275657588	3.52889788	-3.478609e-01
## ENSG00000186468	1.176344e+04	-0.0068304965	0.20770904	-3.288493e-02
## ENSG00000186469	3.964636e+02	-1.1966575029	0.33161030	-3.608626e+00
## ENSG00000186470	5.395516e+02	-0.4441891602	0.23702171	-1.874044e+00
## ENSG00000186471	2.692155e-01	1.7862987311	3.51183999	5.086504e-01
## ENSG00000186472	1.309851e+00	-1.7745873122	2.28488217	-7.766647e-01
## ENSG00000186474	0.000000e+00	NA	NA	NA
## ENSG00000186479	1.539128e+00	-0.6829035788	2.62089490	-2.605612e-01
## ENSG00000186480	2.862155e+02	-1.0062963287	0.40662888	-2.474729e+00
## ENSG00000186481	4.653092e+00	-0.5868574354	0.92119161	-6.370634e-01
## ENSG00000186487	4.289768e+00	-0.0935608781	0.91374464	-1.023928e-01
## ENSG00000186493	1.189242e+02	0.3551349217	0.73823613	4.810587e-01
## ENSG00000186496	8.319732e+01	-0.0978516494	0.22850820	-4.282194e-01
## ENSG00000186501	6.653260e+02	0.0746507307	0.11047582	6.757201e-01
## ENSG00000186508	0.000000e+00	NA	NA	NA
## ENSG00000186509	8.973850e-02	0.8946997229	3.53381154	2.531826e-01
## ENSG00000186510	6.193488e+00	0.5923226036	0.76114702	7.781974e-01
## ENSG00000186513	0.000000e+00	NA	NA	NA
## ENSG00000186517	5.417661e+00	-0.5505989676	0.82422041	-6.680239e-01
## ENSG00000186522	2.626214e+03	-0.0524347514	0.14986947	-3.498695e-01
## ENSG00000186523	1.344263e+02	-0.4479089362	0.20441785	-2.191144e+00
## ENSG00000186526	5.863860e+00	0.3317177534	0.74010761	4.482021e-01
## ENSG00000186529	9.739076e+00	0.1611529356	1.23565911	1.304186e-01
## ENSG00000186532	2.472352e+02	-0.1380136566	0.16092026	-8.576525e-01
## ENSG00000186543	2.286975e-01	-1.2703616415	3.52685840	-3.601964e-01
## ENSG00000186562	0.000000e+00	NA	NA	NA
## ENSG00000186564	1.801893e+01	0.1451134878	0.50682764	2.863172e-01
## ENSG00000186566	1.481998e+03	-0.0950907136	0.13071306	-7.274768e-01
## ENSG00000186567	3.951077e+02	-0.0536893622	0.23582874	-2.276625e-01
## ENSG00000186572	0.000000e+00	NA	NA	NA
## ENSG00000186575	2.595503e+03	0.9431348175	0.24639957	3.827664e+00
## ENSG00000186577	3.232434e+02	-0.0248717808	0.14024405	-1.773464e-01
## ENSG00000186579	0.000000e+00	NA	NA	NA
## ENSG00000186583	0.000000e+00	NA	NA	NA
## ENSG00000186591	6.277332e+03	0.0874677705	0.12036175	7.267074e-01
## ENSG00000186599	0.000000e+00	NA	NA	NA
## ENSG00000186603	4.422302e+00	0.3909966571	1.04157308	3.753905e-01
## ENSG00000186625	3.867569e+02	0.0408560301	0.13809212	2.958607e-01
## ENSG00000186628	4.316922e+01	0.0517892776	0.27956845	1.852472e-01
## ENSG00000186635	2.879082e+03	-0.3634354472	0.09494663	-3.827787e+00
## ENSG00000186638	2.482113e+01	-0.1133469366	0.36309699	-3.121671e-01
## ENSG00000186642	3.237220e+00	-0.5573140267	1.31447446	-4.239824e-01
## ENSG00000186645	4.053359e+00	-0.0228114605	0.85415604	-2.670643e-02
## ENSG00000186648	4.049821e+00	1.1013426084	1.25156950	8.799692e-01

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## ENSG00000186652 1.103612e+00 -3.5019724073 3.41609976 -1.025138e+00
## ENSG00000186654 3.718145e+02 -0.1714605843 0.29643666 -5.784055e-01
## ENSG00000186660 2.386450e+03 -0.0338083670 0.09415024 -3.590895e-01
## ENSG00000186665 2.597267e+02 -0.6887361473 0.20597324 -3.343814e+00
## ENSG00000186666 1.407116e+02 -0.3298754128 0.18146399 -1.817856e+00
## ENSG00000186675 1.226236e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186676 6.714719e+00 0.3162678936 1.07470982 2.942821e-01
## ENSG00000186678 0.000000e+00 NA NA NA
## ENSG00000186684 1.061775e+01 -0.5608257255 0.57597016 -9.737062e-01
## ENSG00000186687 3.937373e+02 -0.1736084483 0.21567267 -8.049627e-01
## ENSG00000186704 2.521193e+01 0.1585669014 0.42645726 3.718237e-01
## ENSG00000186710 4.800454e-01 0.0290428118 2.58037335 1.125528e-02
## ENSG00000186714 1.567510e+01 -0.5671992811 2.43797970 -2.326514e-01
## ENSG00000186715 3.055364e+01 -0.2255609067 0.33335467 -6.766394e-01
## ENSG00000186716 8.511174e+02 0.1291121795 0.10912326 1.183177e+00
## ENSG00000186723 0.000000e+00 NA NA NA
## ENSG00000186732 0.000000e+00 NA NA NA
## ENSG00000186743 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000186765 2.177419e+01 0.3301751659 0.69289389 4.765162e-01
## ENSG00000186766 0.000000e+00 NA NA NA
## ENSG00000186767 6.899333e+01 -0.2235731068 0.24381484 -9.169791e-01
## ENSG00000186777 1.872807e+00 0.0790644928 1.24931186 6.328643e-02
## ENSG00000186787 9.713459e+01 0.1684380969 0.21395849 7.872466e-01
## ENSG00000186788 0.000000e+00 NA NA NA
## ENSG00000186790 4.786603e-01 1.1909265987 3.50425178 3.398519e-01
## ENSG00000186792 5.054425e+01 0.3648802799 0.36466692 1.000585e+00
## ENSG00000186795 0.000000e+00 NA NA NA
## ENSG00000186803 0.000000e+00 NA NA NA
## ENSG00000186806 2.606284e+01 -0.0240902052 0.40578662 -5.936668e-02
## ENSG00000186810 0.000000e+00 NA NA NA
## ENSG00000186812 5.826607e+02 -0.2200315834 0.10867538 -2.024668e+00
## ENSG00000186814 5.075887e+02 -0.3181597927 0.18697554 -1.701612e+00
## ENSG00000186815 1.852892e+03 0.4029965515 0.18215693 2.212359e+00
## ENSG00000186818 0.000000e+00 NA NA NA
## ENSG00000186827 1.388125e+00 -1.4834783258 1.50339403 -9.867528e-01
## ENSG00000186831 1.958124e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000186832 0.000000e+00 NA NA NA
## ENSG00000186834 1.159700e+03 0.2214622963 0.18329815 1.208208e+00
## ENSG00000186838 7.604843e-01 -2.9783545319 2.63021505 -1.132362e+00
## ENSG00000186844 0.000000e+00 NA NA NA
## ENSG00000186847 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186854 1.184405e+02 -0.6503622695 0.58113272 -1.119129e+00
## ENSG00000186860 0.000000e+00 NA NA NA
## ENSG00000186862 3.644678e+01 0.4538402952 0.42066215 1.078871e+00
## ENSG00000186866 1.703608e+03 -0.0413244693 0.13354938 -3.094321e-01
## ENSG00000186867 0.000000e+00 NA NA NA
## ENSG00000186868 1.929664e+01 -0.6778349366 0.64055584 -1.058198e+00
## ENSG00000186871 6.449444e+00 -0.3512003239 0.65611127 -5.352756e-01
## ENSG00000186881 0.000000e+00 NA NA NA
## ENSG00000186886 0.000000e+00 NA NA NA
## ENSG00000186889 8.412123e+01 -0.2400947135 0.23487702 -1.022215e+00
## ENSG00000186891 1.086768e+00 0.0546882506 2.21791171 2.465754e-02
## ENSG00000186895 0.000000e+00 NA NA NA
## ENSG00000186897 1.305542e+00 0.9982202473 2.17894380 4.581212e-01

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## ENSG00000186907 7.371777e+01 -1.0580507039 0.45693032 -2.315562e+00
## ENSG00000186908 8.739778e+02 -0.2179833333 0.11972853 -1.820647e+00
## ENSG00000186910 0.000000e+00 NA NA NA
## ENSG00000186912 8.821416e-01 0.6149789776 1.99470387 3.083059e-01
## ENSG00000186918 3.021317e+03 0.7024756907 0.20697037 3.394088e+00
## ENSG00000186919 5.008907e+00 2.3998926155 1.39183814 1.724261e+00
## ENSG00000186924 0.000000e+00 NA NA NA
## ENSG00000186925 0.000000e+00 NA NA NA
## ENSG00000186930 0.000000e+00 NA NA NA
## ENSG00000186940 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000186943 0.000000e+00 NA NA NA
## ENSG00000186951 9.092633e+02 0.2254496018 0.15034888 1.499510e+00
## ENSG00000186952 5.946699e+01 -0.7990437921 0.39438102 -2.026071e+00
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## ENSG00000186967 0.000000e+00 NA NA NA
## ENSG00000186970 0.000000e+00 NA NA NA
## ENSG00000186971 0.000000e+00 NA NA NA
## ENSG00000186973 1.467051e+00 0.5207125123 1.46745127 3.548414e-01
## ENSG00000186976 7.821277e+01 -0.5280594730 0.33778566 -1.563298e+00
## ENSG00000186977 0.000000e+00 NA NA NA
## ENSG00000186980 0.000000e+00 NA NA NA
## ENSG00000186994 1.576906e+01 -0.7509654893 0.66390087 -1.131141e+00
## ENSG00000186998 5.000377e+00 -1.6212269235 0.81393514 -1.991838e+00
## ENSG00000187003 0.000000e+00 NA NA NA
## ENSG00000187005 2.723303e-01 -1.3930988009 3.51984433 -3.957842e-01
## ENSG00000187010 1.859093e+01 -0.3701424833 0.52520182 -7.047624e-01
## ENSG00000187017 6.538435e-01 -1.6655635096 2.91306686 -5.717560e-01
## ENSG00000187021 1.554268e+00 -1.5268204099 1.69183623 -9.024635e-01
## ENSG00000187024 1.003992e+02 0.1138820236 0.21351669 5.333636e-01
## ENSG00000187026 0.000000e+00 NA NA NA
## ENSG00000187033 4.740455e-01 -1.0800780315 2.51750857 -4.290266e-01
## ENSG00000187037 2.541993e+00 -0.3365013630 1.39573036 -2.410934e-01
## ENSG00000187045 2.322898e+00 -0.1488241728 1.21473863 -1.225154e-01
## ENSG00000187048 2.518934e+00 0.1981553150 0.98464050 2.012464e-01
## ENSG00000187049 1.656740e+02 -0.2253332868 0.18357076 -1.227501e+00
## ENSG00000187051 6.594156e+02 0.3144674189 0.13783344 2.281503e+00
## ENSG00000187054 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000187066 3.762415e+01 -0.1806922985 0.29216458 -6.184607e-01
## ENSG00000187068 1.369473e+01 0.0945993769 0.51257950 1.845555e-01
## ENSG00000187079 8.379321e+03 0.7355077683 0.18264564 4.026966e+00
## ENSG00000187080 0.000000e+00 NA NA NA
## ENSG00000187082 0.000000e+00 NA NA NA
## ENSG00000187091 6.610294e+02 0.2731721177 0.18556002 1.472150e+00
## ENSG00000187094 2.518917e+01 1.2895962993 0.61846364 2.085161e+00
## ENSG00000187097 4.011476e+02 0.2949393476 0.13915141 2.119557e+00
## ENSG00000187098 1.363910e+03 0.1694982589 0.15206026 1.114678e+00
## ENSG00000187103 1.388017e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000187105 1.073421e+01 -0.0952245416 0.93242302 -1.021259e-01
## ENSG00000187109 1.182746e+04 0.4189074851 0.10026129 4.178158e+00
## ENSG00000187116 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187118 1.812857e+02 0.4105438153 0.19536355 2.101435e+00
## ENSG00000187122 6.047540e+00 -1.0188407457 1.00852274 -1.010231e+00
## ENSG00000187123 7.142098e+00 -0.3093102154 0.66922982 -4.621883e-01
## ENSG00000187134 1.280829e+04 0.9919438128 0.28668426 3.460057e+00

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## ENSG00000187135 0.000000e+00 NA NA NA
## ENSG00000187140 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187144 3.253746e+00 -0.1219762421 0.90998738 -1.340417e-01
## ENSG00000187147 1.101907e+03 0.1660468096 0.11517742 1.441661e+00
## ENSG00000187151 2.129979e+01 1.7046365663 0.74009637 2.303263e+00
## ENSG00000187164 1.691574e+02 -0.0607546810 0.20305624 -2.992013e-01
## ENSG00000187166 4.243577e-01 1.0230717407 3.20428636 3.192822e-01
## ENSG00000187170 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187172 1.933951e+00 -1.0373991360 1.23369614 -8.408871e-01
## ENSG00000187173 2.904121e+00 -0.2635572172 1.20196566 -2.192718e-01
## ENSG00000187175 0.000000e+00 NA NA NA
## ENSG00000187180 6.276109e-01 -1.4792058974 2.35185950 -6.289516e-01
## ENSG00000187186 4.809574e+01 -0.3410967309 0.36306580 -9.394901e-01
## ENSG00000187187 5.998817e+01 -0.3318342462 0.31228299 -1.062607e+00
## ENSG00000187189 4.947810e+02 -0.4305861590 0.12824278 -3.357586e+00
## ENSG00000187191 0.000000e+00 NA NA NA
## ENSG00000187193 1.990769e+02 3.2551424848 0.26091854 1.247570e+01
## ENSG00000187210 1.701625e+03 0.5988705862 0.30867865 1.940110e+00
## ENSG00000187223 0.000000e+00 NA NA NA
## ENSG00000187231 1.348769e+03 -0.1980926214 0.17177256 -1.153226e+00
## ENSG00000187238 0.000000e+00 NA NA NA
## ENSG00000187239 1.866642e+03 0.7719464294 0.23615232 3.268850e+00
## ENSG00000187240 1.894084e+03 0.0975491310 0.14764459 6.607024e-01
## ENSG00000187242 0.000000e+00 NA NA NA
## ENSG00000187243 6.266697e+02 -0.1781625229 0.15637987 -1.139293e+00
## ENSG00000187244 5.612252e+02 -0.3092119064 0.18969583 -1.630041e+00
## ENSG00000187257 4.046644e+02 -0.0194544092 0.13266092 -1.466476e-01
## ENSG00000187258 0.000000e+00 NA NA NA
## ENSG00000187260 1.045381e+01 0.2539726217 0.64292012 3.950298e-01
## ENSG00000187266 1.363516e+02 -0.2854297036 0.18986274 -1.503348e+00
## ENSG00000187268 7.303312e+00 -1.4971093659 0.92878296 -1.611904e+00
## ENSG00000187272 0.000000e+00 NA NA NA
## ENSG00000187288 1.993138e+01 3.4666895274 0.65961973 5.255588e+00
## ENSG00000187323 7.292524e+00 0.1997808175 0.66985200 2.982462e-01
## ENSG00000187325 4.239313e+02 -0.0866717019 0.16192656 -5.352531e-01
## ENSG00000187372 8.028707e+01 -0.4955551768 0.47396627 -1.045549e+00
## ENSG00000187391 5.123107e+02 -0.1036230477 0.16951061 -6.113072e-01
## ENSG00000187398 2.619258e+00 -0.7751748404 1.16303932 -6.665079e-01
## ENSG00000187416 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000187446 2.388594e+03 0.3686169902 0.11051910 3.335324e+00
## ENSG00000187472 0.000000e+00 NA NA NA
## ENSG00000187474 2.291699e-01 -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000187475 1.065463e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187479 5.617551e+01 1.0790926459 0.39811569 2.710500e+00
## ENSG00000187481 0.000000e+00 NA NA NA
## ENSG00000187483 0.000000e+00 NA NA NA
## ENSG00000187486 1.036394e+00 -1.4583917257 2.27043308 -6.423408e-01
## ENSG00000187492 1.164698e+01 0.8385164215 0.62524646 1.341097e+00
## ENSG00000187498 2.310212e+03 1.3584193335 0.24250824 5.601539e+00
## ENSG00000187504 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187510 1.958124e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000187513 2.630364e-01 1.7010395714 3.51732531 4.836174e-01
## ENSG00000187514 8.334908e+03 -0.0705623453 0.23952418 -2.945938e-01
## ENSG00000187516 0.000000e+00 NA NA NA

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## ENSG00000187522 4.237312e+02    0.0245074108 0.14377218  1.704600e-01
## ENSG00000187527 1.388017e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000187531 2.159412e+02    0.1809454647 0.16256743  1.113049e+00
## ENSG00000187533 1.200504e+00    0.1500929042 1.42534467  1.053029e-01
## ENSG00000187534 1.065463e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187535 8.161873e+02    -0.0200289108 0.12556324 -1.595125e-01
## ENSG00000187536 0.000000e+00      NA          NA          NA
## ENSG00000187537 0.000000e+00      NA          NA          NA
## ENSG00000187545 0.000000e+00      NA          NA          NA
## ENSG00000187546 2.268875e+00    -2.0276777662 1.31086021 -1.546830e+00
## ENSG00000187550 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187553 3.554963e+00    -0.0095203490 0.91141372 -1.044569e-02
## ENSG00000187554 5.833194e+00    0.0876064370 0.82750484  1.058682e-01
## ENSG00000187555 1.765917e+03    0.1291896844 0.09931175  1.300850e+00
## ENSG00000187556 6.090989e+00    -0.4448944632 0.68880333 -6.458948e-01
## ENSG00000187559 1.226236e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187566 2.537242e+01    -0.1479365644 0.49490823 -2.989172e-01
## ENSG00000187569 1.315182e-01    0.8946997229 3.53381154  2.531826e-01
## ENSG00000187581 0.000000e+00      NA          NA          NA
## ENSG00000187583 1.216357e+01    -0.0439625280 0.48082311 -9.143181e-02
## ENSG00000187589 0.000000e+00      NA          NA          NA
## ENSG00000187595 5.432535e+00    -0.8885204590 0.72677987 -1.222544e+00
## ENSG00000187600 1.060739e-01    -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187601 3.941243e+02    -0.2524564339 0.12364393 -2.041802e+00
## ENSG00000187605 2.474944e+02    -0.3116963484 0.19953014 -1.562152e+00
## ENSG00000187607 2.771777e+02    -0.1312870571 0.16740426 -7.842516e-01
## ENSG00000187608 1.957206e+02    -0.1252836939 0.30393336 -4.122078e-01
## ENSG00000187609 1.776294e+02    0.1757978039 0.19184594  9.163488e-01
## ENSG00000187612 0.000000e+00      NA          NA          NA
## ENSG00000187616 0.000000e+00      NA          NA          NA
## ENSG00000187624 6.721336e+01    -0.4569256439 0.42227939 -1.082046e+00
## ENSG00000187626 1.259892e+02    -0.3001258322 0.17498411 -1.715160e+00
## ENSG00000187627 6.936300e+01    0.4154730916 1.45148253  2.862405e-01
## ENSG00000187630 2.645145e+02    0.0792901813 0.13062363  6.070125e-01
## ENSG00000187634 8.457144e+01    -1.6766115756 0.51862783 -3.232784e+00
## ENSG00000187642 3.633547e+00    -0.5374318540 1.08246851 -4.964873e-01
## ENSG00000187650 8.656767e+01    -0.1581999246 0.26580946 -5.951629e-01
## ENSG00000187653 2.685377e+00    0.0304164793 1.32363137  2.297957e-02
## ENSG00000187657 0.000000e+00      NA          NA          NA
## ENSG00000187658 0.000000e+00      NA          NA          NA
## ENSG00000187664 1.229848e+01    -0.0757309858 0.47199222 -1.604497e-01
## ENSG00000187672 1.591189e+00    0.0140570706 1.46518116  9.594084e-03
## ENSG00000187676 2.714301e+02    0.3159321856 0.30241861  1.044685e+00
## ENSG00000187678 1.202732e+02    0.3179212027 0.39357397  8.077801e-01
## ENSG00000187682 3.319775e-01    -0.5489483375 3.38908478 -1.619754e-01
## ENSG00000187686 2.728400e+00    0.0320089673 1.03667170  3.087667e-02
## ENSG00000187688 3.931162e+02    0.0297207627 0.13995248  2.123632e-01
## ENSG00000187689 0.000000e+00      NA          NA          NA
## ENSG00000187690 0.000000e+00      NA          NA          NA
## ENSG00000187695 1.207479e+00    0.4434802289 1.90145066  2.332326e-01
## ENSG00000187699 7.050741e+01    -0.4092892073 0.24365984 -1.679756e+00
## ENSG00000187701 0.000000e+00      NA          NA          NA
## ENSG00000187713 5.327746e+02    0.0543590165 0.13919939  3.905119e-01
## ENSG00000187714 0.000000e+00      NA          NA          NA

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## ENSG00000187715 2.612120e+00    0.3620736894 1.39357692 2.598161e-01
## ENSG00000187720 3.125762e+03   -0.6289632862 0.27713551 -2.269515e+00
## ENSG00000187721 0.000000e+00      NA          NA          NA
## ENSG00000187726 7.542354e+00    0.7451564726 0.71969999 1.035371e+00
## ENSG00000187730 0.000000e+00      NA          NA          NA
## ENSG00000187733 0.000000e+00      NA          NA          NA
## ENSG00000187735 2.438592e+03   -0.3159584315 0.12952988 -2.439271e+00
## ENSG00000187736 2.141477e+02    0.1318748813 0.17378089 7.588572e-01
## ENSG00000187741 7.319885e+01   -0.6261718298 0.41389097 -1.512891e+00
## ENSG00000187742 6.259790e+02   -0.0767866096 0.09886263 -7.767001e-01
## ENSG00000187747 2.928395e-01    0.1733657147 3.53381154 4.905913e-02
## ENSG00000187753 1.195742e+00   -2.1147116835 2.05379037 -1.029663e+00
## ENSG00000187754 7.831347e-01   -1.1642059020 1.99998183 -5.821082e-01
## ENSG00000187758 2.600873e+02    1.1245982046 0.61395576 1.831725e+00
## ENSG00000187762 3.346141e-01    0.8187865854 3.36304727 2.434657e-01
## ENSG00000187763 0.000000e+00      NA          NA          NA
## ENSG00000187764 2.131925e+02   -0.1050793362 0.34342864 -3.059714e-01
## ENSG00000187766 0.000000e+00      NA          NA          NA
## ENSG00000187772 2.427115e-01   -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000187773 1.388017e-01    0.8946997229 3.53381154 2.531826e-01
## ENSG00000187775 5.189367e+01   -0.0840609111 0.43443875 -1.934931e-01
## ENSG00000187778 7.589821e+02    0.1632328384 0.10308368 1.583498e+00
## ENSG00000187783 3.725864e-01    1.9122524910 3.50425252 5.456948e-01
## ENSG00000187790 1.427624e+02   -0.3470201159 0.23779841 -1.459304e+00
## ENSG00000187791 9.855789e-01   -0.5705359779 2.22570944 -2.563389e-01
## ENSG00000187792 1.502026e+02   -0.4320843031 0.16253143 -2.658466e+00
## ENSG00000187796 2.725908e+01    0.2040522707 0.38902280 5.245252e-01
## ENSG00000187800 1.324557e+02    0.2115782759 0.53820660 3.931172e-01
## ENSG00000187801 2.342985e+01   -1.0307955435 0.43319922 -2.379495e+00
## ENSG00000187806 0.000000e+00      NA          NA          NA
## ENSG00000187808 9.988350e+00    0.8160976518 0.81241876 1.004528e+00
## ENSG00000187812 0.000000e+00      NA          NA          NA
## ENSG00000187815 6.715468e+01    0.1329101233 0.28900330 4.598914e-01
## ENSG00000187821 0.000000e+00      NA          NA          NA
## ENSG00000187823 0.000000e+00      NA          NA          NA
## ENSG00000187824 1.571668e+02   -0.0446031487 0.24974680 -1.785935e-01
## ENSG00000187833 0.000000e+00      NA          NA          NA
## ENSG00000187837 2.080860e+02    0.2077512907 0.32623337 6.368180e-01
## ENSG00000187838 1.318003e+03   -0.2219545110 0.09365971 -2.369797e+00
## ENSG00000187840 2.8907676824   -0.2907676824 0.13713646 -2.120280e+00
## ENSG00000187847 0.000000e+00      NA          NA          NA
## ENSG00000187848 2.189802e+00   -2.1347995009 1.63792142 -1.303359e+00
## ENSG00000187855 0.000000e+00      NA          NA          NA
## ENSG00000187857 0.000000e+00      NA          NA          NA
## ENSG00000187860 4.704110e+01   -0.3648211776 0.23772232 -1.534653e+00
## ENSG00000187862 0.000000e+00      NA          NA          NA
## ENSG00000187866 3.960036e+02   -0.3332595183 0.14395585 -2.315012e+00
## ENSG00000187867 5.565592e+00   -0.2078430333 0.84675999 -2.454568e-01
## ENSG00000187870 1.065463e-01   -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000187871 7.263068e-01   -0.4715709443 2.95036401 -1.598348e-01
## ENSG00000187889 1.179888e+01   -0.4740412077 0.47923391 -9.891646e-01
## ENSG00000187893 8.993430e-01    0.0708372524 2.22366655 3.185606e-02
## ENSG00000187900 0.000000e+00      NA          NA          NA
## ENSG00000187902 1.303941e+00   -0.6950552532 1.37525770 -5.054000e-01

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## ENSG00000187905 1.425485e+01 -0.7844695079 0.58301955 -1.345529e+00
## ENSG00000187908 6.201701e-01 0.7938147151 2.12505283 3.735506e-01
## ENSG00000187912 3.041593e+00 0.1368581191 0.90462327 1.512874e-01
## ENSG00000187918 0.000000e+00 NA NA NA
## ENSG00000187922 2.453481e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000187942 2.834662e+01 -0.1537201603 0.41323809 -3.719893e-01
## ENSG00000187944 2.044474e+00 -2.6644072721 1.41347941 -1.884999e+00
## ENSG00000187950 1.456374e+01 1.0437884504 0.61902391 1.686184e+00
## ENSG00000187951 1.323000e+02 0.1268449588 0.24925698 5.088923e-01
## ENSG00000187952 2.568420e+00 -1.5287679165 1.94729855 -7.850712e-01
## ENSG00000187953 1.844177e+02 0.0302938750 0.21319426 1.420952e-01
## ENSG00000187954 1.029485e+03 0.1270754971 0.13929529 9.122742e-01
## ENSG00000187955 6.496489e+03 -0.8580408591 0.35546815 -2.413833e+00
## ENSG00000187957 9.558079e+00 1.7146315093 0.79916048 2.145541e+00
## ENSG00000187959 2.291699e-01 -1.2729428004 3.52673698 -3.609407e-01
## ENSG00000187961 1.997606e+02 -0.0017049277 0.30077058 -5.668532e-03
## ENSG00000187969 0.000000e+00 NA NA NA
## ENSG00000187980 6.243654e+00 0.2964686309 0.73969731 4.007972e-01
## ENSG00000187984 6.772296e+00 0.1023392418 0.71726157 1.426805e-01
## ENSG00000187987 5.661728e+01 -0.9577653587 0.27234408 -3.516748e+00
## ENSG00000187988 0.000000e+00 NA NA NA
## ENSG00000187994 2.754948e+01 0.2760548336 0.41339548 6.677742e-01
## ENSG00000187997 3.309727e+00 -0.9394985917 1.14796405 -8.184042e-01
## ENSG00000187999 1.315182e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000188000 1.167566e+01 0.6560558918 0.57136426 1.148227e+00
## ENSG00000188001 1.069282e+01 1.0540821211 0.86069729 1.224684e+00
## ENSG00000188002 1.349243e+02 -0.1716930201 0.29797627 -5.761970e-01
## ENSG00000188004 4.460084e+01 -0.5906664960 0.43934518 -1.344425e+00
## ENSG00000188010 1.839882e+02 0.1570498295 0.13873887 1.131981e+00
## ENSG00000188011 0.000000e+00 NA NA NA
## ENSG00000188013 1.603661e+01 0.1352327638 0.55085565 2.454958e-01
## ENSG00000188015 9.252708e+01 -0.7915282612 0.23803992 -3.325191e+00
## ENSG00000188021 1.166689e+03 -0.0971435271 0.07927524 -1.225396e+00
## ENSG00000188026 4.693616e+02 -0.0421105842 0.13325310 -3.160196e-01
## ENSG00000188029 0.000000e+00 NA NA NA
## ENSG00000188032 1.395982e+00 -0.8346524130 1.39587315 -5.979429e-01
## ENSG00000188033 6.434563e+01 0.5133733247 0.27050623 1.897824e+00
## ENSG00000188037 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000188038 2.444369e+00 -0.9704003374 1.07338641 -9.040550e-01
## ENSG00000188039 4.416814e+00 0.2742985177 0.80773172 3.395911e-01
## ENSG00000188042 1.240624e+03 -0.7656227871 0.15234407 -5.025616e+00
## ENSG00000188050 2.285402e-01 1.5394092413 3.52295593 4.369652e-01
## ENSG00000188051 8.860268e+00 -0.3317148037 0.53291050 -6.224588e-01
## ENSG00000188056 4.578674e-01 -2.2392570801 3.03951554 -7.367151e-01
## ENSG00000188060 6.444348e+01 -0.3211081576 0.23117607 -1.389020e+00
## ENSG00000188064 8.398157e-01 0.5576685799 1.74769602 3.190879e-01
## ENSG00000188069 0.000000e+00 NA NA NA
## ENSG00000188070 1.132053e+03 -0.5325366542 0.18677502 -2.851220e+00
## ENSG00000188076 0.000000e+00 NA NA NA
## ENSG00000188078 0.000000e+00 NA NA NA
## ENSG00000188086 0.000000e+00 NA NA NA
## ENSG00000188089 1.620058e+00 0.3552091712 1.19243334 2.978860e-01
## ENSG00000188092 2.094435e+02 0.0875977053 0.12656370 6.921235e-01
## ENSG00000188095 5.565317e+00 -0.2401114294 0.75527555 -3.179124e-01

```

```

## ENSG00000188100 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000188101 0.000000e+00 NA NA NA
## ENSG00000188107 2.477561e+01 0.2381447801 0.52441502 4.541151e-01
## ENSG00000188112 3.313368e+02 0.6080384117 0.19292874 3.151622e+00
## ENSG00000188120 0.000000e+00 NA NA NA
## ENSG00000188124 6.999492e-01 -0.8879329014 1.83276241 -4.844779e-01
## ENSG00000188130 4.891555e+02 0.2286193245 0.13202164 1.731681e+00
## ENSG00000188133 0.000000e+00 NA NA NA
## ENSG00000188152 8.277191e+00 -0.2065138282 0.55057854 -3.750851e-01
## ENSG00000188153 4.418883e+02 -0.8498052765 0.28033547 -3.031387e+00
## ENSG00000188155 0.000000e+00 NA NA NA
## ENSG00000188157 2.035599e+03 -0.1802699207 0.17484397 -1.031033e+00
## ENSG00000188158 4.794935e+02 -0.1722812934 0.19540816 -8.816484e-01
## ENSG00000188162 3.357163e-01 -1.7955287048 3.48895058 -5.146329e-01
## ENSG00000188163 1.780500e+00 -1.1219219171 1.62336046 -6.911108e-01
## ENSG00000188167 1.959895e+01 0.1222361393 0.38078018 3.210150e-01
## ENSG00000188171 1.609491e+02 -0.2306410717 0.21013911 -1.097564e+00
## ENSG00000188175 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000188176 5.707262e+01 -3.0585939064 0.64490137 -4.742731e+00
## ENSG00000188177 3.788794e+02 -0.0188001642 0.26728008 -7.033882e-02
## ENSG00000188186 6.609718e+02 0.1640291347 0.14323385 1.145184e+00
## ENSG00000188191 3.900033e+02 -0.1688013098 0.29548195 -5.712745e-01
## ENSG00000188199 5.051894e+01 0.5422813386 0.51289521 1.057295e+00
## ENSG00000188211 8.570455e+01 -0.1100153347 0.24912737 -4.416028e-01
## ENSG00000188215 5.830911e+02 0.6838208041 0.09677288 7.066244e+00
## ENSG00000188219 0.000000e+00 NA NA NA
## ENSG00000188223 8.429483e+01 0.0013639586 0.37987498 3.590546e-03
## ENSG00000188227 8.320196e+01 -0.6483125869 0.40583339 -1.597485e+00
## ENSG00000188229 2.071315e+03 -0.1509640056 0.29609525 -5.098495e-01
## ENSG00000188234 1.448951e+02 -0.2122589394 0.19835177 -1.070114e+00
## ENSG00000188243 1.050406e+03 0.2549673592 0.13571827 1.878652e+00
## ENSG00000188257 9.978272e+01 1.0620296860 0.70813393 1.499758e+00
## ENSG00000188263 2.614253e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000188266 6.976303e+01 0.0248425640 0.32143718 7.728591e-02
## ENSG00000188269 1.787863e+00 -1.8051513656 1.69452387 -1.065285e+00
## ENSG00000188277 4.079538e+01 0.1759648572 0.30706825 5.730480e-01
## ENSG00000188282 0.000000e+00 NA NA NA
## ENSG00000188283 2.342117e+02 -0.3359125769 0.17492442 -1.920330e+00
## ENSG00000188290 1.198558e+01 1.2675019221 0.76442985 1.658101e+00
## ENSG00000188293 0.000000e+00 NA NA NA
## ENSG00000188295 7.352880e+01 -0.2362768989 0.28825872 -8.196696e-01
## ENSG00000188305 2.456578e+00 0.1186158284 1.16138525 1.021331e-01
## ENSG00000188306 2.676833e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000188312 1.337297e+02 -1.7463753110 0.26682194 -6.545096e+00
## ENSG00000188313 9.884286e+02 0.0908363817 0.12207826 7.440832e-01
## ENSG00000188314 0.000000e+00 NA NA NA
## ENSG00000188315 1.948948e+02 0.3664464444 0.17801618 2.058501e+00
## ENSG00000188316 2.358833e+01 -0.6834307638 0.57972173 -1.178895e+00
## ENSG00000188321 2.016332e+02 -0.1808187239 0.19332456 -9.353117e-01
## ENSG00000188322 1.391375e+01 -1.1410267769 0.55935050 -2.039914e+00
## ENSG00000188324 0.000000e+00 NA NA NA
## ENSG00000188334 0.000000e+00 NA NA NA
## ENSG00000188338 2.420983e+00 -0.8902818035 1.29348074 -6.882838e-01
## ENSG00000188340 0.000000e+00 NA NA NA

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```

## ENSG00000188342 3.040991e+02 -0.3580279469 0.18029946 -1.985741e+00
## ENSG00000188343 9.983030e+02 0.1477774725 0.16482148 8.965911e-01
## ENSG00000188352 8.076484e+02 -0.2180219982 0.16140556 -1.350771e+00
## ENSG00000188368 1.466115e+01 -0.7994464914 0.45457690 -1.758661e+00
## ENSG00000188372 6.220516e+01 0.3557470534 0.70287173 5.061337e-01
## ENSG00000188373 0.000000e+00 NA NA NA
## ENSG00000188375 5.781323e-01 1.6934340236 2.93522567 5.769349e-01
## ENSG00000188379 0.000000e+00 NA NA NA
## ENSG00000188383 0.000000e+00 NA NA NA
## ENSG00000188385 1.339950e+01 -1.3525177424 0.75110911 -1.800694e+00
## ENSG00000188386 1.361651e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000188388 8.992633e+00 -0.2727312958 0.93281303 -2.923751e-01
## ENSG00000188389 0.000000e+00 NA NA NA
## ENSG00000188393 0.000000e+00 NA NA NA
## ENSG00000188394 5.213797e-01 1.5135860524 2.48809159 6.083321e-01
## ENSG00000188396 4.689077e+00 -0.4153181413 0.85117150 -4.879371e-01
## ENSG00000188399 0.000000e+00 NA NA NA
## ENSG00000188403 0.000000e+00 NA NA NA
## ENSG00000188404 5.691926e+00 0.5597412281 1.10020721 5.087598e-01
## ENSG00000188408 0.000000e+00 NA NA NA
## ENSG00000188419 6.882600e+02 -0.0310755160 0.10564570 -2.941484e-01
## ENSG00000188425 0.000000e+00 NA NA NA
## ENSG00000188428 2.674772e+02 -0.6904532454 0.16837153 -4.100772e+00
## ENSG00000188438 0.000000e+00 NA NA NA
## ENSG00000188439 0.000000e+00 NA NA NA
## ENSG00000188451 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000188452 5.670442e+02 0.5850619903 0.34990740 1.672048e+00
## ENSG00000188459 5.605228e-01 0.2766438073 2.52538066 1.095454e-01
## ENSG00000188460 5.651698e-01 -1.2219293693 2.97788119 -4.103352e-01
## ENSG00000188467 4.791327e-01 1.1909265987 3.50425178 3.398519e-01
## ENSG00000188483 6.030769e+02 -0.6739008855 0.24775626 -2.720016e+00
## ENSG00000188486 2.227894e+02 0.1236612351 0.19323497 6.399527e-01
## ENSG00000188487 3.761177e+00 0.5433688476 1.07380342 5.060226e-01
## ENSG00000188488 7.355943e+00 0.6400318343 1.01319350 6.316975e-01
## ENSG00000188493 2.365198e+02 -0.1051175071 0.17508422 -6.003825e-01
## ENSG00000188501 2.395333e+01 -2.8913438023 0.67365421 -4.292030e+00
## ENSG00000188505 8.737974e+00 -0.1003338965 0.83566628 -1.200646e-01
## ENSG00000188508 7.636188e-01 0.1961230271 1.82300358 1.075824e-01
## ENSG00000188512 0.000000e+00 NA NA NA
## ENSG00000188517 1.041779e+01 0.9469268759 0.80655293 1.174042e+00
## ENSG00000188522 2.554572e+02 0.1121744922 0.15544207 7.216482e-01
## ENSG00000188523 4.411604e-01 0.1383509203 2.60704103 5.306818e-02
## ENSG00000188529 1.531375e+03 0.0730950514 0.12289894 5.947574e-01
## ENSG00000188536 2.776034e-01 1.7547236597 3.51383760 4.993753e-01
## ENSG00000188542 5.829508e+01 -0.1816429364 0.28626421 -6.345290e-01
## ENSG00000188549 1.108126e+03 0.1966170093 0.10262628 1.915854e+00
## ENSG00000188554 5.533339e+03 0.1283161551 0.11716871 1.095140e+00
## ENSG00000188558 0.000000e+00 NA NA NA
## ENSG00000188559 2.946750e+02 -0.0662516960 0.19027161 -3.481954e-01
## ENSG00000188566 2.418551e+02 0.3194030542 0.15375486 2.077353e+00
## ENSG00000188573 1.138145e+01 -1.2097165655 1.01119313 -1.196326e+00
## ENSG00000188580 5.770250e+00 1.2493523544 1.26517065 9.874971e-01
## ENSG00000188581 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000188582 1.719764e+00 -2.3132633239 1.72326015 -1.342376e+00

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## ENSG00000188596 1.122228e+02 -0.1359599121 0.23447249 -5.798544e-01
## ENSG00000188599 1.623540e+02 0.3703498162 0.36035702 1.027730e+00
## ENSG00000188603 5.692783e+02 0.3051978691 0.12342290 2.472782e+00
## ENSG00000188610 2.784235e+01 -0.7169766324 0.43904241 -1.633046e+00
## ENSG00000188611 6.832953e+01 0.3781552675 0.57067418 6.626465e-01
## ENSG00000188612 2.718781e+03 -0.2021818807 0.09101697 -2.221365e+00
## ENSG00000188613 5.110654e+01 1.1911499803 0.40788873 2.920282e+00
## ENSG00000188620 0.000000e+00 NA NA NA
## ENSG00000188624 3.023587e-01 -0.5082425259 3.47558423 -1.462323e-01
## ENSG00000188626 1.334969e+01 -0.6178405472 0.55454405 -1.114142e+00
## ENSG00000188629 3.088816e+01 -0.0884601900 0.47450264 -1.864272e-01
## ENSG00000188636 1.007619e+03 -0.2005483837 0.14560160 -1.377378e+00
## ENSG00000188641 2.467806e+03 0.1338274548 0.11473459 1.166409e+00
## ENSG00000188643 1.144364e+03 -0.0033286694 0.21052296 -1.581143e-02
## ENSG00000188646 0.000000e+00 NA NA NA
## ENSG00000188647 1.576882e+03 0.2055571389 0.13347084 1.540090e+00
## ENSG00000188649 5.649965e+00 -0.6100258058 0.69493547 -8.778165e-01
## ENSG00000188655 0.000000e+00 NA NA NA
## ENSG00000188656 0.000000e+00 NA NA NA
## ENSG00000188659 2.333280e+01 -0.3074450666 0.43706007 -7.034389e-01
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## ENSG00000188668 0.000000e+00 NA NA NA
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## ENSG00000188674 2.822449e+00 -0.0524764475 1.10788725 -4.736623e-02
## ENSG00000188676 4.627616e+00 0.2053275469 0.81213453 2.528246e-01
## ENSG00000188677 5.162732e+02 -0.0325802397 0.17240166 -1.889787e-01
## ENSG00000188681 1.654123e+02 0.1728548018 0.56528950 3.057810e-01
## ENSG00000188687 3.788787e+01 0.2812795849 0.47256074 5.952242e-01
## ENSG00000188690 8.416571e+02 -0.0512121447 0.14590793 -3.509895e-01
## ENSG00000188691 0.000000e+00 NA NA NA
## ENSG00000188694 0.000000e+00 NA NA NA
## ENSG00000188706 1.600231e+03 0.7564759257 0.13606773 5.559554e+00
## ENSG00000188707 5.358917e+00 -1.0086385695 0.86261789 -1.169276e+00
## ENSG00000188710 7.319013e+00 -0.0504563508 0.69420062 -7.268266e-02
## ENSG00000188712 0.000000e+00 NA NA NA
## ENSG00000188716 0.000000e+00 NA NA NA
## ENSG00000188725 8.739245e+02 -0.0809313794 0.11390320 -7.105277e-01
## ENSG00000188729 4.337738e+00 -0.6178963083 1.26021089 -4.903118e-01
## ENSG00000188730 1.243113e+00 -2.8482421348 2.01550427 -1.413166e+00
## ENSG00000188732 5.159681e+01 0.3874351441 0.37965972 1.020480e+00
## ENSG00000188735 4.853054e+02 -0.0369385897 0.18392331 -2.008369e-01
## ENSG00000188738 1.676319e+02 -0.3416462773 0.25930465 -1.317548e+00
## ENSG00000188739 4.738540e+02 0.0131420438 0.11704992 1.122773e-01
## ENSG00000188747 2.339465e+01 -0.1043649511 0.35114154 -2.972162e-01
## ENSG00000188755 2.453481e-01 0.1733657147 3.53381154 4.905913e-02
## ENSG00000188760 1.278257e+02 0.2191634948 0.20405558 1.074038e+00
## ENSG00000188761 9.477582e+00 0.6176430934 0.72043759 8.573166e-01
## ENSG00000188763 7.401688e+00 -0.2296659838 0.80563498 -2.850745e-01
## ENSG00000188765 9.638988e-01 -0.2137029339 2.30572564 -9.268359e-02
## ENSG00000188766 8.019554e+01 -0.0845063806 0.28403754 -2.975184e-01
## ENSG00000188770 1.802839e+00 -0.8682619366 1.26318828 -6.873575e-01
## ENSG00000188771 3.191666e-01 -1.7322889739 3.49360098 -4.958463e-01
## ENSG00000188778 1.741932e+00 0.4719586097 1.44497140 3.266214e-01
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## ENSG00000188786 5.927807e+02 0.4887619402 0.16636346 2.937916e+00
## ENSG00000188800 2.121478e-01 -1.2275657588 3.52889788 -3.478609e-01
## ENSG00000188801 0.000000e+00 NA NA NA
## ENSG00000188803 0.000000e+00 NA NA NA
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## ENSG00000188827 2.696882e+02 -0.5091527510 0.17128523 -2.972543e+00
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## ENSG00000188831 1.060739e-01 -0.5479727975 3.53381154 -1.550657e-01
## ENSG00000188833 1.098075e+00 -2.5124979788 2.13014391 -1.179497e+00
## ENSG00000188846 9.390013e+03 -0.0351394832 0.12218648 -2.875890e-01
## ENSG00000188848 6.761787e-01 -1.7462159078 3.45004427 -5.061430e-01
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## ENSG00000188877 0.000000e+00 NA NA NA
## ENSG00000188878 1.744802e+02 -0.5611501984 0.13989004 -4.011366e+00
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## ENSG00000188886 0.000000e+00 NA NA NA
## ENSG00000188895 2.335725e+03 0.0284408941 0.11781825 2.413963e-01
## ENSG00000188897 2.033530e+01 0.1303887387 0.41417232 3.148176e-01
## ENSG00000188906 1.021578e+03 0.4601156584 0.20238984 2.273413e+00
## ENSG00000188909 0.000000e+00 NA NA NA
## ENSG00000188910 1.862932e-01 0.8946997229 3.53381154 2.531826e-01
## ENSG00000188916 5.240040e+01 2.3881656527 0.63708251 3.748597e+00
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## ENSG00000188921 8.171615e+02 0.3757189581 0.17928955 2.095599e+00
## ENSG00000188931 1.526819e+00 4.1451352886 3.41073226 1.215321e+00
## ENSG00000188933 6.462699e+02 0.0930495220 0.73433549 1.267126e-01
## ENSG00000188937 0.000000e+00 NA NA NA
## ENSG00000188938 6.367157e+02 -0.0558112617 0.09162413 -6.091328e-01
## ENSG00000188958 5.010580e+01 -0.0215055491 0.35378833 -6.078649e-02
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## ENSG00000002919 1.782453e-02 9.881131e-02
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## ENSG00000003400 6.148981e-01 8.450664e-01
## ENSG00000003402 3.082471e-20 7.912546e-18
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## ENSG00000004139 6.935449e-01 8.897806e-01
## ENSG00000004142 2.318603e-01 5.230152e-01
## ENSG00000004399 8.109963e-01 9.412629e-01
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## ENSG00000004468 7.666770e-01 NA
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## ENSG00000004779 4.208325e-01 7.138134e-01
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## ENSG00000004809 9.726855e-01 NA
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## ENSG00000005022 5.088962e-01 7.762050e-01
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## ENSG00000005102 5.266380e-01 NA
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## ENSG00000005175 4.903086e-01 7.629860e-01
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## ENSG00000005981 4.263059e-01 NA
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## ENSG00000006047 8.913238e-01 NA
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## ENSG00000006071 NA NA
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## ENSG00000006118 1.287533e-02 7.824914e-02
## ENSG00000006125 4.595949e-01 7.417083e-01
## ENSG00000006128 5.703553e-01 NA
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## ENSG00000007216      NA      NA
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## ENSG00000042781 5.710522e-01 NA
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## ENSG00000043039 9.072311e-01 NA
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## ENSG00000102760 4.621402e-06 1.103961e-04
## ENSG00000102763 3.723588e-01 6.730367e-01
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## ENSG00000102878 7.704278e-02 2.677405e-01
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## ENSG00000102882 5.984592e-03 4.344997e-02
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## ENSG00000110315 3.898982e-01 6.888717e-01
## ENSG00000110318 8.733165e-01 9.639633e-01
## ENSG00000110321 5.583110e-01 8.104447e-01
## ENSG00000110324 5.004153e-01 NA
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## ENSG00000110344 5.388287e-01 7.954539e-01
## ENSG00000110367 7.213461e-01 9.024816e-01
## ENSG00000110375 1.749873e-01 NA
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## ENSG00000110422 3.534258e-03 2.918557e-02
## ENSG00000110427 6.420393e-01 8.617905e-01
## ENSG00000110429 7.900522e-01 9.317604e-01
## ENSG00000110435 9.535716e-02 3.079941e-01
## ENSG00000110436 1.177126e-01 3.503848e-01
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## ENSG00000110497 2.015892e-01 4.813289e-01

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## ENSG00000110514 3.594575e-01 6.612077e-01
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## ENSG00000110583 6.490919e-03 4.613091e-02
## ENSG00000110619 9.122517e-01 9.762615e-01
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## ENSG00000110651 9.985711e-01 9.991649e-01
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## ENSG00000110665 8.170535e-01 NA
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## ENSG00000110680 8.859335e-01 NA
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## ENSG00000110713 7.564446e-02 2.643367e-01
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## ENSG00000110721 5.277878e-02 2.079935e-01
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## ENSG00000110768 9.685557e-05 1.557195e-03
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## ENSG00000110786 2.651569e-01 NA
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## ENSG00000110844 8.101290e-02 2.766920e-01
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## ENSG00000110911 6.439564e-03 4.587077e-02
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## ENSG00000110934 9.063822e-01 NA
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## ENSG00000111291 6.819903e-01      NA
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## ENSG00000111325 7.285486e-02 2.583439e-01
## ENSG00000111328 7.079346e-01 8.958705e-01
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## ENSG00000111335 6.924269e-06 1.558218e-04
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## ENSG00000111341 2.489929e-01 5.441648e-01
## ENSG00000111344 1.516645e-01      NA
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## ENSG00000111371 8.505907e-04 9.104025e-03
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## ENSG00000111605 4.350385e-01 7.239280e-01
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## ENSG00000111726 3.987486e-02 1.713772e-01
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## ENSG00000111731 5.549931e-01 8.081030e-01
## ENSG00000111732 4.630186e-01 NA
## ENSG00000111737 1.405236e-02 8.322149e-02

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## ENSG00000111752 2.989692e-03 2.553801e-02
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## ENSG00000111846 1.370145e-02 8.179287e-02
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## ENSG00000111875 5.251768e-01 7.858712e-01
## ENSG00000111877 2.949002e-01 5.985507e-01
## ENSG00000111879 8.552741e-01 9.582450e-01
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## ENSG00000112038 6.406980e-01 NA
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## ENSG00000112357 4.132615e-01 7.077740e-01
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## ENSG00000112769 2.920764e-01 5.950097e-01
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## ENSG00000115806 1.146178e-01 3.446272e-01

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## ENSG00000121743 9.168315e-02 2.996421e-01

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## ENSG00000121749 9.219839e-01 9.795316e-01
## ENSG00000121753 4.373654e-05 7.747251e-04
## ENSG00000121764 6.230340e-01 NA
## ENSG00000121766 2.080019e-01 4.899967e-01
## ENSG00000121769 3.299428e-02 1.510119e-01
## ENSG00000121774 2.224772e-01 5.101312e-01
## ENSG00000121775 3.240673e-01 6.300987e-01
## ENSG00000121797 NA NA
## ENSG00000121807 NA NA
## ENSG00000121851 7.467237e-02 2.620281e-01
## ENSG00000121853 NA NA
## ENSG00000121858 6.480171e-03 4.607615e-02
## ENSG00000121864 7.665259e-01 9.222946e-01
## ENSG00000121871 5.196953e-01 NA
## ENSG00000121879 2.112776e-04 2.945576e-03
## ENSG00000121892 2.435731e-02 1.219476e-01
## ENSG00000121895 1.176043e-01 NA
## ENSG00000121897 2.186954e-01 5.050679e-01
## ENSG00000121898 9.747623e-01 9.926298e-01
## ENSG00000121900 1.739060e-01 4.425822e-01
## ENSG00000121903 9.232409e-01 9.798483e-01
## ENSG00000121904 1.426160e-01 3.935712e-01
## ENSG00000121905 4.824626e-01 NA
## ENSG00000121931 5.285815e-01 7.879274e-01
## ENSG00000121933 7.249957e-01 NA
## ENSG00000121940 4.519572e-01 7.357915e-01
## ENSG00000121957 8.164701e-02 2.780000e-01
## ENSG00000121964 8.485817e-02 2.848032e-01
## ENSG00000121966 NA NA
## ENSG00000121988 1.775278e-01 4.479605e-01
## ENSG00000121989 6.244829e-01 8.511333e-01
## ENSG00000122008 2.427951e-01 5.357213e-01
## ENSG00000122012 2.387912e-01 NA
## ENSG00000122025 8.767696e-01 NA
## ENSG00000122026 5.159881e-01 7.807839e-01
## ENSG00000122033 1.863178e-01 4.614671e-01
## ENSG00000122034 4.096525e-01 7.054166e-01
## ENSG00000122035 2.313116e-08 9.896085e-07
## ENSG00000122042 9.833743e-01 9.947635e-01
## ENSG00000122068 2.195591e-01 5.061221e-01
## ENSG00000122085 2.840330e-05 5.390576e-04
## ENSG00000122121 6.136992e-01 8.444425e-01
## ENSG00000122122 8.767696e-01 NA
## ENSG00000122126 4.037158e-01 7.007798e-01
## ENSG00000122133 4.872181e-01 NA
## ENSG00000122136 NA NA
## ENSG00000122140 8.390642e-01 9.534558e-01
## ENSG00000122145 NA NA
## ENSG00000122176 6.036367e-01 8.395301e-01
## ENSG00000122180 4.425857e-01 NA
## ENSG00000122188 5.985015e-01 NA
## ENSG00000122194 6.353747e-01 8.580505e-01
## ENSG00000122203 3.296797e-01 6.360396e-01
## ENSG00000122218 6.320396e-01 8.559634e-01

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## ENSG00000122223      NA      NA
## ENSG00000122224 8.481358e-01      NA
## ENSG00000122254 4.873675e-01      NA
## ENSG00000122257 7.654591e-01 9.222312e-01
## ENSG00000122299 4.585169e-05 8.055961e-04
## ENSG00000122304      NA      NA
## ENSG00000122335 1.173479e-01 3.495052e-01
## ENSG00000122359 1.462394e-02 8.538150e-02
## ENSG00000122367 1.651307e-01 4.288762e-01
## ENSG00000122375      NA      NA
## ENSG00000122376 1.086202e-04 1.706487e-03
## ENSG00000122378 5.348328e-01 7.923417e-01
## ENSG00000122386 3.503088e-01 6.538752e-01
## ENSG00000122390 1.121199e-02 7.059807e-02
## ENSG00000122406 8.644247e-01 9.610198e-01
## ENSG00000122417 1.185466e-01 3.519678e-01
## ENSG00000122420 4.410265e-03 3.467988e-02
## ENSG00000122432 6.808071e-01 8.830733e-01
## ENSG00000122435 2.785003e-01 5.796985e-01
## ENSG00000122477 5.175118e-01 7.818170e-01
## ENSG00000122481 2.538367e-01 5.506097e-01
## ENSG00000122482 6.867632e-01 8.860988e-01
## ENSG00000122483 6.258936e-01 8.522296e-01
## ENSG00000122484 9.027235e-01 9.723953e-01
## ENSG00000122490 2.137836e-04 2.970415e-03
## ENSG00000122507 5.190310e-03 3.918606e-02
## ENSG00000122512 1.616775e-01 4.243101e-01
## ENSG00000122515 8.316597e-01 9.498582e-01
## ENSG00000122543 4.918696e-01      NA
## ENSG00000122545 1.246983e-01 3.633307e-01
## ENSG00000122547 6.146625e-01 8.448959e-01
## ENSG00000122550 4.916273e-01 7.642098e-01
## ENSG00000122557 1.070805e-01 3.319143e-01
## ENSG00000122565 8.576523e-01 9.590996e-01
## ENSG00000122566 8.633562e-02 2.875639e-01
## ENSG00000122574 9.151381e-01      NA
## ENSG00000122584      NA      NA
## ENSG00000122585      NA      NA
## ENSG00000122591 3.856803e-01 6.846944e-01
## ENSG00000122592 1.841131e-01      NA
## ENSG00000122641 4.939917e-03 3.776913e-02
## ENSG00000122642 9.725567e-01 9.922393e-01
## ENSG00000122643 7.313313e-01 9.066808e-01
## ENSG00000122644 9.702983e-01 9.922393e-01
## ENSG00000122674 3.241542e-01 6.301264e-01
## ENSG00000122678 1.369558e-01 3.836541e-01
## ENSG00000122679 1.804338e-02      NA
## ENSG00000122687 5.820008e-01 8.250098e-01
## ENSG00000122691 2.837591e-01 5.859492e-01
## ENSG00000122692 9.362828e-01 9.832203e-01
## ENSG00000122694 2.751534e-01 5.755849e-01
## ENSG00000122696 3.735766e-01 6.742279e-01
## ENSG00000122705 2.043406e-01 4.849926e-01
## ENSG00000122707 2.978870e-01 6.016134e-01

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## ENSG00000122711 9.608722e-01 NA
## ENSG00000122718 NA NA
## ENSG00000122728 7.639363e-01 NA
## ENSG00000122729 8.280633e-01 9.484246e-01
## ENSG00000122733 4.980852e-02 2.003586e-01
## ENSG00000122735 2.439483e-01 NA
## ENSG00000122741 4.799368e-01 7.562636e-01
## ENSG00000122756 7.026103e-01 NA
## ENSG00000122778 2.477390e-01 5.429037e-01
## ENSG00000122779 3.881157e-02 1.681835e-01
## ENSG00000122783 3.149508e-01 6.193910e-01
## ENSG00000122786 9.349093e-05 1.509510e-03
## ENSG00000122787 9.871900e-01 NA
## ENSG00000122824 4.813481e-01 NA
## ENSG00000122852 NA NA
## ENSG00000122859 NA NA
## ENSG00000122861 7.972546e-02 2.733006e-01
## ENSG00000122862 6.650452e-01 8.746947e-01
## ENSG00000122863 1.869704e-04 2.663845e-03
## ENSG00000122870 8.477495e-01 9.559028e-01
## ENSG00000122872 9.608722e-01 NA
## ENSG00000122873 4.140748e-01 7.086059e-01
## ENSG00000122877 3.933230e-08 1.588500e-06
## ENSG00000122882 4.615417e-01 7.437482e-01
## ENSG00000122884 5.606154e-02 2.173712e-01
## ENSG00000122912 4.042542e-01 7.014722e-01
## ENSG00000122952 8.783153e-01 9.648931e-01
## ENSG00000122958 2.208438e-01 5.076156e-01
## ENSG00000122965 1.554791e-01 4.147876e-01
## ENSG00000122966 2.677162e-14 3.217907e-12
## ENSG00000122970 9.646622e-05 1.552583e-03
## ENSG00000122971 4.879015e-04 5.873822e-03
## ENSG00000122986 9.144454e-01 9.769895e-01
## ENSG00000123009 8.001271e-01 NA
## ENSG00000123064 8.220784e-01 9.459929e-01
## ENSG00000123066 1.823264e-01 4.552148e-01
## ENSG00000123080 5.060285e-01 7.743401e-01
## ENSG00000123091 7.787297e-01 9.280083e-01
## ENSG00000123094 1.006676e-03 1.051456e-02
## ENSG00000123095 7.196455e-01 9.017618e-01
## ENSG00000123096 3.572567e-01 6.591735e-01
## ENSG00000123104 1.567679e-03 1.511299e-02
## ENSG00000123106 9.672208e-01 9.916862e-01
## ENSG00000123119 2.761344e-01 5.766762e-01
## ENSG00000123124 9.127580e-01 9.763819e-01
## ENSG00000123130 1.022171e-03 1.063240e-02
## ENSG00000123131 9.734562e-01 9.924006e-01
## ENSG00000123136 3.209463e-01 6.263025e-01
## ENSG00000123143 4.929440e-01 7.649870e-01
## ENSG00000123144 7.631533e-02 2.659560e-01
## ENSG00000123146 3.553134e-01 6.576422e-01
## ENSG00000123154 2.548012e-03 2.261704e-02
## ENSG00000123159 1.806961e-02 9.962295e-02
## ENSG00000123165 NA NA

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## ENSG00000123171      NA      NA
## ENSG00000123178  1.494958e-03  1.450425e-02
## ENSG00000123179  1.017108e-03  1.060889e-02
## ENSG00000123191  9.253482e-01  9.798483e-01
## ENSG00000123200  9.543322e-01  9.888964e-01
## ENSG00000123201  8.001271e-01      NA
## ENSG00000123213  7.979657e-07  2.275930e-05
## ENSG00000123219  5.253949e-01  7.859656e-01
## ENSG00000123240  4.387529e-01  7.270940e-01
## ENSG00000123243  4.243904e-01  7.162703e-01
## ENSG00000123268  7.954120e-02  2.729800e-01
## ENSG00000123297  2.096257e-01  4.924433e-01
## ENSG00000123307      NA      NA
## ENSG00000123329  9.902075e-01      NA
## ENSG00000123338  3.962857e-01  6.950917e-01
## ENSG00000123342  1.453608e-02  8.511683e-02
## ENSG00000123349  7.609563e-01  9.205577e-01
## ENSG00000123352  4.008010e-05  7.192099e-04
## ENSG00000123353  9.364483e-02  3.040847e-01
## ENSG00000123358  3.289059e-09  1.682865e-07
## ENSG00000123360  4.350427e-01      NA
## ENSG00000123364  6.175150e-01      NA
## ENSG00000123374  1.069679e-01  3.317185e-01
## ENSG00000123384  2.917534e-01  5.949382e-01
## ENSG00000123388      NA      NA
## ENSG00000123395  8.830119e-03  5.878336e-02
## ENSG00000123405  2.360252e-05  4.612390e-04
## ENSG00000123407      NA      NA
## ENSG00000123411  6.008268e-05  1.024721e-03
## ENSG00000123415  5.830900e-01  8.259352e-01
## ENSG00000123416  2.004375e-03  1.856652e-02
## ENSG00000123427  9.186040e-01  9.779358e-01
## ENSG00000123444  5.376755e-01  7.948844e-01
## ENSG00000123447      NA      NA
## ENSG00000123453  7.480456e-01  9.157605e-01
## ENSG00000123454  9.308175e-01      NA
## ENSG00000123472  6.575455e-01  8.703011e-01
## ENSG00000123473  5.715814e-01  8.188234e-01
## ENSG00000123485  7.044661e-03  4.916654e-02
## ENSG00000123496  7.150577e-01  8.996437e-01
## ENSG00000123500      NA      NA
## ENSG00000123505  2.241514e-01  5.125733e-01
## ENSG00000123545  3.249007e-01  6.308488e-01
## ENSG00000123552  8.150766e-01  9.429635e-01
## ENSG00000123560  1.862192e-01      NA
## ENSG00000123561      NA      NA
## ENSG00000123562  1.618740e-29  1.167420e-26
## ENSG00000123569      NA      NA
## ENSG00000123570  2.356315e-01  5.277491e-01
## ENSG00000123572  2.373826e-02  1.198726e-01
## ENSG00000123575  8.445322e-02  2.836707e-01
## ENSG00000123576      NA      NA
## ENSG00000123584      NA      NA
## ENSG00000123594      NA      NA

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## ENSG00000123595 4.024532e-01 6.998464e-01
## ENSG00000123600 2.288295e-01 5.188980e-01
## ENSG00000123607 2.490012e-02 1.238435e-01
## ENSG00000123609 3.160616e-02 1.465632e-01
## ENSG00000123610 6.597398e-07 1.912347e-05
## ENSG00000123612 7.432732e-04 8.174925e-03
## ENSG00000123636 6.186796e-03 4.451281e-02
## ENSG00000123643 2.941034e-06 7.325981e-05
## ENSG00000123684 6.371388e-02 2.364486e-01
## ENSG00000123685 6.861406e-05 1.153341e-03
## ENSG00000123689 1.478595e-07 5.183638e-06
## ENSG00000123700 4.816101e-01 7.570965e-01
## ENSG00000123728 9.722111e-01 9.922393e-01
## ENSG00000123737 1.537276e-03 1.486721e-02
## ENSG00000123739 5.129957e-02 2.041055e-01
## ENSG00000123810 3.788436e-01 6.778012e-01
## ENSG00000123815 3.344371e-01 6.400114e-01
## ENSG00000123836 9.778395e-01 9.936513e-01
## ENSG00000123838 9.748635e-01 NA
## ENSG00000123843 9.159160e-02 2.994721e-01
## ENSG00000123870 9.806097e-01 9.944214e-01
## ENSG00000123892 9.734634e-01 9.924006e-01
## ENSG00000123901 6.988260e-01 NA
## ENSG00000123908 2.368610e-02 1.198149e-01
## ENSG00000123933 1.618324e-01 4.243337e-01
## ENSG00000123965 8.753907e-01 9.640712e-01
## ENSG00000123975 7.021844e-01 8.930134e-01
## ENSG00000123977 4.327852e-01 NA
## ENSG00000123983 1.518570e-01 4.087241e-01
## ENSG00000123989 5.984579e-02 2.272160e-01
## ENSG00000123992 7.761004e-01 9.266095e-01
## ENSG00000123999 1.239690e-01 3.621740e-01
## ENSG00000124003 8.495040e-01 NA
## ENSG00000124006 5.339456e-03 3.999310e-02
## ENSG00000124019 8.022816e-01 NA
## ENSG00000124067 5.264318e-01 7.864283e-01
## ENSG00000124074 6.752284e-01 8.798986e-01
## ENSG00000124089 NA NA
## ENSG00000124091 3.590524e-01 NA
## ENSG00000124092 8.581447e-01 9.593550e-01
## ENSG00000124097 5.318206e-01 NA
## ENSG00000124098 8.913908e-01 9.681826e-01
## ENSG00000124102 9.608722e-01 NA
## ENSG00000124103 3.859915e-01 NA
## ENSG00000124104 7.083513e-04 7.859326e-03
## ENSG00000124107 9.232168e-01 9.798483e-01
## ENSG00000124116 8.754619e-01 9.640712e-01
## ENSG00000124120 1.957704e-01 4.737086e-01
## ENSG00000124126 3.832128e-02 1.667746e-01
## ENSG00000124134 1.064559e-03 1.101281e-02
## ENSG00000124140 4.761752e-01 NA
## ENSG00000124143 NA NA
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## ENSG00000124151 2.822961e-11 2.159280e-09

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## ENSG00000124155 5.717135e-01 8.189351e-01
## ENSG00000124157 NA NA
## ENSG00000124159 2.376947e-01 NA
## ENSG00000124160 9.319045e-01 9.817883e-01
## ENSG00000124164 8.816123e-02 2.921024e-01
## ENSG00000124171 1.618682e-01 4.243542e-01
## ENSG00000124172 5.586409e-01 8.104447e-01
## ENSG00000124177 2.003778e-01 4.796462e-01
## ENSG00000124181 6.967950e-01 8.909646e-01
## ENSG00000124191 3.995527e-01 6.978694e-01
## ENSG00000124193 1.232715e-01 3.611815e-01
## ENSG00000124194 3.555421e-01 NA
## ENSG00000124196 NA NA
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## ENSG00000124201 6.228130e-01 8.498645e-01
## ENSG00000124203 NA NA
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## ENSG00000124207 5.008017e-01 7.718166e-01
## ENSG00000124208 2.757225e-01 5.763699e-01
## ENSG00000124209 6.307597e-01 8.554839e-01
## ENSG00000124212 8.777038e-02 2.913176e-01
## ENSG00000124214 3.850108e-01 6.841120e-01
## ENSG00000124215 7.227548e-02 NA
## ENSG00000124216 7.362608e-02 2.599915e-01
## ENSG00000124217 9.031982e-01 9.723953e-01
## ENSG00000124222 8.974939e-02 2.956537e-01
## ENSG00000124224 1.535057e-02 8.880228e-02
## ENSG00000124225 1.133853e-01 3.425985e-01
## ENSG00000124226 2.202695e-07 7.366075e-06
## ENSG00000124227 NA NA
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## ENSG00000124232 8.001271e-01 NA
## ENSG00000124233 NA NA
## ENSG00000124237 NA NA
## ENSG00000124243 1.095411e-01 3.361022e-01
## ENSG00000124249 8.532371e-03 5.730499e-02
## ENSG00000124251 7.299836e-01 9.060483e-01
## ENSG00000124253 2.507171e-01 NA
## ENSG00000124256 5.206493e-01 NA
## ENSG00000124257 1.068681e-01 3.316635e-01
## ENSG00000124260 9.601445e-01 NA
## ENSG00000124275 5.192272e-01 7.827082e-01
## ENSG00000124279 5.321278e-01 7.899497e-01
## ENSG00000124299 2.620990e-01 5.603458e-01
## ENSG00000124302 8.001271e-01 NA
## ENSG00000124313 4.605533e-02 1.895402e-01
## ENSG00000124333 7.666928e-01 9.222946e-01
## ENSG00000124334 7.469213e-01 NA
## ENSG00000124343 5.532583e-01 8.067685e-01
## ENSG00000124356 6.551803e-01 8.691167e-01
## ENSG00000124357 3.414195e-02 1.544905e-01
## ENSG00000124370 2.550651e-02 1.259114e-01
## ENSG00000124374 1.791551e-03 1.688428e-02
## ENSG00000124380 5.424172e-01 7.981346e-01

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## ENSG00000124383 1.900844e-01 4.659053e-01
## ENSG00000124391 9.608722e-01 NA
## ENSG00000124399 NA NA
## ENSG00000124406 3.275641e-01 6.336608e-01
## ENSG00000124422 7.616189e-05 1.257876e-03
## ENSG00000124429 9.576776e-01 NA
## ENSG00000124440 1.231868e-04 1.886415e-03
## ENSG00000124444 2.619464e-01 5.602568e-01
## ENSG00000124449 6.527630e-01 NA
## ENSG00000124459 5.875166e-02 2.246387e-01
## ENSG00000124466 1.212019e-03 1.225369e-02
## ENSG00000124467 8.763598e-01 NA
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## ENSG00000124479 1.744990e-02 NA
## ENSG00000124486 1.270106e-02 7.740748e-02
## ENSG00000124490 NA NA
## ENSG00000124491 NA NA
## ENSG00000124493 7.115073e-01 NA
## ENSG00000124496 8.701237e-10 4.954144e-08
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## ENSG00000124549 5.370329e-01 7.943660e-01
## ENSG00000124557 2.505404e-01 NA
## ENSG00000124562 7.978881e-01 9.354901e-01
## ENSG00000124564 8.001271e-01 NA
## ENSG00000124568 NA NA
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## ENSG00000124571 9.642296e-01 9.910468e-01
## ENSG00000124574 9.241514e-01 9.798483e-01
## ENSG00000124575 9.658802e-01 NA
## ENSG00000124587 6.019421e-01 8.388838e-01
## ENSG00000124588 2.711863e-01 5.711164e-01
## ENSG00000124593 2.910053e-01 5.940526e-01
## ENSG00000124596 4.402250e-01 7.284034e-01
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## ENSG00000152495 2.192374e-03 1.994204e-02
## ENSG00000152503 4.692862e-02 NA
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## ENSG00000152527 1.993600e-01 4.784198e-01
## ENSG00000152556 2.305561e-02 1.173705e-01
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## ENSG00000152611 7.219517e-01 NA
## ENSG00000152620 3.815235e-02 1.663263e-01
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## ENSG00000163362 2.896517e-01 NA
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## ENSG00000170515 2.339017e-01 5.255847e-01
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## ENSG00000170523      NA      NA
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## ENSG00000170537 1.494313e-01 4.057982e-01
## ENSG00000170540 4.949213e-02 1.995629e-01
## ENSG00000170542 3.255865e-04 4.200177e-03
## ENSG00000170545 7.262715e-01 9.047434e-01
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## ENSG00000170579 9.123405e-01 9.762875e-01
## ENSG00000170581 1.292323e-02 7.840303e-02
## ENSG00000170584 3.797989e-06 9.223716e-05
## ENSG00000170604 6.368735e-02 2.364081e-01
## ENSG00000170605      NA      NA
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## ENSG00000170608 9.752813e-01      NA
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## ENSG00000170619 1.425972e-01 3.935712e-01
## ENSG00000170624 6.243588e-07 1.825466e-05
## ENSG00000170627 7.985938e-01      NA
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## ENSG00000170631 9.084353e-02 2.979912e-01
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## ENSG00000170633 2.196594e-01 5.061223e-01
## ENSG00000170634 4.514424e-01 7.356268e-01
## ENSG00000170638 1.337462e-01 3.778375e-01
## ENSG00000170647 8.622409e-03 5.770499e-02
## ENSG00000170653 3.589333e-01 6.608369e-01
## ENSG00000170667 1.083009e-01 3.339205e-01
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## ENSG00000170688      NA      NA
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## ENSG00000170734 8.254507e-03 5.585993e-02
## ENSG00000170743 9.002200e-01      NA

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## ENSG00000170745 1.081340e-03 1.114074e-02
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## ENSG00000170775 6.362810e-03 4.545740e-02
## ENSG00000170776 2.185236e-05 4.320549e-04
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## ENSG00000170782 NA NA
## ENSG00000170786 NA NA
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## ENSG00000170801 4.924030e-01 7.647242e-01
## ENSG00000170802 2.836976e-05 5.390576e-04
## ENSG00000170803 8.001271e-01 NA
## ENSG00000170807 6.286575e-01 NA
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## ENSG00000170827 6.598042e-01 NA
## ENSG00000170832 6.904965e-02 2.496436e-01
## ENSG00000170835 7.057543e-01 8.951967e-01
## ENSG00000170836 2.973232e-06 7.394023e-05
## ENSG00000170837 9.218272e-01 NA
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## ENSG00000170852 2.346403e-01 5.263904e-01
## ENSG00000170854 2.678716e-04 3.571228e-03
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## ENSG00000170890 9.706395e-01 NA
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## ENSG00000170917 1.055686e-01 3.288435e-01
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## ENSG00000170946 3.868255e-01 6.859234e-01
## ENSG00000170948 NA NA
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## ENSG00000170950      NA      NA
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## ENSG00000170961 7.308497e-01 9.064548e-01
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## ENSG00000170989 2.186349e-07 7.341964e-06
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## ENSG00000171017 5.207130e-01 7.831379e-01
## ENSG00000171033 2.712757e-04 3.607086e-03
## ENSG00000171044 9.685836e-01 9.918323e-01
## ENSG00000171045 9.882221e-01 9.963150e-01
## ENSG00000171049 5.437482e-01      NA
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## ENSG00000171053      NA      NA
## ENSG00000171054      NA      NA
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## ENSG00000171060 8.435984e-01      NA
## ENSG00000171067 2.504857e-01 5.456242e-01
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## ENSG00000171101 7.616997e-01      NA
## ENSG00000171102      NA      NA
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## ENSG00000171126 9.608722e-01      NA
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## ENSG00000171136      NA      NA
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## ENSG00000171150 3.036577e-03 2.589469e-02
## ENSG00000171155 1.119553e-04 1.744406e-03
## ENSG00000171159 9.792338e-01 9.941351e-01
## ENSG00000171160 1.993434e-01 4.784198e-01
## ENSG00000171161 1.496640e-01 4.062846e-01
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## ENSG00000171169 9.342754e-01 9.823451e-01

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## ENSG00000171174 8.441217e-02 2.836707e-01
## ENSG00000171180 8.767696e-01 NA
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## ENSG00000171206 8.524616e-01 9.573758e-01
## ENSG00000171208 8.025604e-01 9.373374e-01
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## ENSG00000171219 2.873605e-01 5.899518e-01
## ENSG00000171222 5.261204e-01 7.863256e-01
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## ENSG00000171241 3.214716e-01 6.269234e-01
## ENSG00000171243 3.534682e-01 NA
## ENSG00000171246 2.040079e-01 4.847392e-01
## ENSG00000171262 4.360017e-01 7.246855e-01
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## ENSG00000171302 9.284538e-01 9.805741e-01
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## ENSG00000171311 3.302176e-02 1.510464e-01
## ENSG00000171314 7.038617e-01 8.942190e-01
## ENSG00000171316 2.419847e-03 2.167273e-02
## ENSG00000171320 8.240985e-01 9.469630e-01
## ENSG00000171345 8.113049e-01 9.414045e-01
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## ENSG00000171357 7.380357e-02 2.602725e-01
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## ENSG00000171365 3.664305e-02 1.615131e-01
## ENSG00000171368 3.442186e-02 NA
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## ENSG00000171405 5.226533e-01 NA
## ENSG00000171408 2.816878e-01 5.831946e-01
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## ENSG00000171425 3.593846e-01 6.612077e-01
## ENSG00000171428 7.466925e-01 9.153102e-01
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## ENSG00000171443 1.189302e-01 3.529489e-01
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## ENSG00000171446 NA NA
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## ENSG00000171456 4.420831e-02 1.838371e-01
## ENSG00000171459 NA NA
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## ENSG00000171466 5.054653e-01 7.743401e-01
## ENSG00000171467 6.906218e-03 4.833395e-02
## ENSG00000171469 3.472178e-05 6.374077e-04
## ENSG00000171475 4.456465e-01 7.325861e-01
## ENSG00000171476 4.792144e-01 7.556172e-01
## ENSG00000171478 NA NA
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## ENSG00000171483 8.767696e-01 NA
## ENSG00000171484 NA NA
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## ENSG00000171492 4.990111e-06 1.182711e-04
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## ENSG00000171522 8.575905e-01 9.590996e-01
## ENSG00000171530 5.332740e-01 7.907220e-01
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## ENSG00000171533 3.532838e-01 6.558808e-01
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## ENSG00000171551 NA NA
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## ENSG00000171557 NA NA
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## ENSG00000171561 NA NA
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## ENSG00000171574 4.473364e-02 1.853600e-01
## ENSG00000171587 NA NA
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## ENSG00000171603 2.795028e-05 5.331323e-04
## ENSG00000171604 5.696809e-05 9.771027e-04
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## ENSG00000171611      NA      NA
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## ENSG00000171617 3.827369e-04 4.822421e-03
## ENSG00000171621 7.758648e-01 9.265473e-01
## ENSG00000171631 3.293670e-01      NA
## ENSG00000171634 8.439393e-01 9.551794e-01
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## ENSG00000171659 8.041234e-01      NA
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## ENSG00000171695 3.998806e-01      NA
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## ENSG00000171703 8.089623e-01 9.398516e-01
## ENSG00000171711      NA      NA
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## ENSG00000171720 6.760192e-01 8.800336e-01
## ENSG00000171722 6.621366e-01      NA
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## ENSG00000171747 7.891065e-01      NA
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## ENSG00000171793 2.199514e-12 2.069046e-10
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## ENSG00000171806 1.817961e-01 4.540406e-01
## ENSG00000171811 3.684446e-01 6.692365e-01
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## ENSG00000171815 4.560500e-01 7.390987e-01
## ENSG00000171817 5.531352e-03 4.096446e-02
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## ENSG00000171823 6.784000e-01 8.821127e-01
## ENSG00000171824 4.354521e-04 5.357370e-03
## ENSG00000171827 5.002012e-01 7.712835e-01
## ENSG00000171840 9.860060e-01 9.956038e-01
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## ENSG00000171853 4.716458e-01 7.500080e-01
## ENSG00000171855          NA          NA
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## ENSG00000172062 8.323175e-01 9.501168e-01
## ENSG00000172071 7.439821e-01 9.141335e-01
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## ENSG00000172167 1.254946e-01 3.640330e-01
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## ENSG00000172318 7.489614e-02 2.626307e-01
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## ENSG00000172348 1.098961e-01 3.367821e-01
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## ENSG00000172399 1.195886e-02 7.398565e-02
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## ENSG00000172500 3.923330e-01 6.920432e-01
## ENSG00000172508 3.984131e-02 1.713222e-01
## ENSG00000172519      NA      NA
## ENSG00000172524      NA      NA
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## ENSG00000172551 5.360038e-01      NA
## ENSG00000172554 5.674661e-01      NA
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## ENSG00000172640 9.006015e-01      NA
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## ENSG00000172663 7.306759e-01 9.064548e-01
## ENSG00000172667 8.524231e-06 1.884664e-04
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## ENSG00000172731 1.321300e-01 3.754424e-01
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## ENSG00000172828 5.522897e-01 8.058992e-01
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## ENSG00000172986 6.098413e-18 1.215269e-15
## ENSG00000172987 4.108546e-01      NA
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## ENSG00000173013 8.837416e-01 9.667412e-01
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## ENSG00000173838 1.132959e-17 2.171983e-15
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## ENSG00000173908 NA NA
## ENSG00000173914 1.589130e-05 3.265588e-04
## ENSG00000173915 5.664367e-04 6.583794e-03
## ENSG00000173917 1.851622e-01 4.595676e-01
## ENSG00000173918 5.496978e-08 2.112988e-06
## ENSG00000173926 9.393836e-01 9.837558e-01
## ENSG00000173928 9.064011e-01 9.739920e-01
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## ENSG00000173950 7.227335e-01 9.028207e-01
## ENSG00000173954 NA NA
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## ENSG00000173966 NA NA
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## ENSG00000173988 8.875402e-01 NA
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## ENSG00000173992 7.183812e-02 2.562384e-01
## ENSG00000174004 9.624531e-01 NA
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## ENSG00000174010 9.660500e-01 9.915551e-01
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## ENSG00000174028 4.799740e-01 7.562636e-01
## ENSG00000174032 5.013119e-01 7.720529e-01
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## ENSG00000174099 2.580306e-08 1.094642e-06
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## ENSG00000174123 7.287866e-01 NA
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## ENSG00000174132 1.029326e-02 6.577697e-02
## ENSG00000174136 5.912625e-08 2.255585e-06
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## ENSG00000174173 3.530111e-01 6.557528e-01
## ENSG00000174175 NA NA
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## ENSG00000174206 5.009785e-01 7.718531e-01
## ENSG00000174225 4.790848e-01 NA
## ENSG00000174226 8.453435e-01 NA
## ENSG00000174227 2.571930e-01 5.545541e-01
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## ENSG00000174233 9.631069e-01 9.906202e-01
## ENSG00000174236 1.165762e-01 NA
## ENSG00000174238 9.403698e-02 3.050311e-01
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## ENSG00000174307 2.116365e-01 4.950305e-01
## ENSG00000174325 1.331782e-01 3.770769e-01
## ENSG00000174326 1.689498e-01 4.344177e-01
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## ENSG00000174456 2.290777e-02 1.168142e-01
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## ENSG00000174521 5.699329e-01      NA
## ENSG00000174527 5.748936e-01      NA
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## ENSG00000174791 7.052286e-03 4.919708e-02
## ENSG00000174792 5.123992e-01      NA
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## ENSG00000174807 1.863837e-02 1.017721e-01
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## ENSG00000174837 9.672987e-02 NA
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## ENSG00000174885 9.576776e-01 NA
## ENSG00000174886 7.900117e-01 9.317604e-01
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## ENSG00000174942 NA NA
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## ENSG00000174945 7.455410e-02 2.617592e-01
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## ENSG00000174957 NA NA
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## ENSG00000174970 NA NA
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## ENSG00000174982 NA NA
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## ENSG00000175029 4.922729e-01 7.647242e-01
## ENSG00000175040 4.436060e-01 7.306593e-01
## ENSG00000175048 8.446817e-03 5.688175e-02
## ENSG00000175054 7.700233e-01 9.240158e-01
## ENSG00000175063 5.334190e-01 7.907822e-01
## ENSG00000175065 NA NA
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## ENSG00000175073 2.430136e-03 2.175202e-02

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## ENSG00000175077 5.757221e-01      NA
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## ENSG00000175093      NA      NA
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## ENSG00000175137 5.278525e-01 7.875407e-01
## ENSG00000175143      NA      NA
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## ENSG00000175262 5.549469e-01      NA
## ENSG00000175264 5.753841e-01      NA
## ENSG00000175265 6.109146e-01 8.432100e-01
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## ENSG00000175287 9.391451e-01 9.836343e-01
## ENSG00000175294 3.598803e-01      NA
## ENSG00000175302      NA      NA
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## ENSG00000175311 1.785141e-01      NA
## ENSG00000175315 9.382255e-01      NA
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## ENSG00000175324 1.182066e-03 1.199892e-02

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## ENSG00000175344 1.709161e-01      NA
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## ENSG00000175416 1.288563e-02 7.828035e-02
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## ENSG00000175582 2.504256e-02 1.243507e-01
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## ENSG00000175970 2.589360e-02 1.270355e-01
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## ENSG00000180475 6.512919e-01      NA
## ENSG00000180479 3.095892e-01 6.131461e-01
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## ENSG00000180483      NA      NA
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## ENSG00000180525 1.486776e-02 8.630598e-02
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## ENSG00000180537 8.270182e-01 9.478728e-01
## ENSG00000180543 5.976316e-01 8.355492e-01
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## ENSG00000180644 8.850980e-01      NA
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## ENSG00000180739 5.558905e-01      NA
## ENSG00000180745 6.893747e-01      NA
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## ENSG00000180758 3.429664e-01 6.477399e-01

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## ENSG00000181090 2.123595e-01 4.959147e-01
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## ENSG00000181135 9.834661e-01 9.947635e-01
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## ENSG00000181991 3.494758e-01 6.532092e-01
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## ENSG00000182240 9.759879e-01 9.928214e-01
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## ENSG00000182613 NA NA
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## ENSG00000182625 NA NA
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## ENSG00000182707 NA NA
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## ENSG00000184206 6.019801e-01 8.388838e-01
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## ENSG00000187583 9.271495e-01 9.799712e-01
## ENSG00000187589      NA      NA
## ENSG00000187595 2.215019e-01      NA
## ENSG00000187600 8.767696e-01      NA
## ENSG00000187601 4.117116e-02 1.754322e-01
## ENSG00000187605 1.182523e-01 3.512624e-01
## ENSG00000187607 4.328925e-01 7.222028e-01
## ENSG00000187608 6.801871e-01 8.826522e-01
## ENSG00000187609 3.594840e-01 6.612077e-01
## ENSG00000187612      NA      NA
## ENSG00000187616      NA      NA
## ENSG00000187624 2.792322e-01 5.806190e-01
## ENSG00000187626 8.631581e-02 2.875612e-01
## ENSG00000187627 7.746939e-01 9.258791e-01
## ENSG00000187630 5.438426e-01 7.993096e-01
## ENSG00000187634 1.225904e-03 1.236929e-02
## ENSG00000187642 6.195507e-01      NA
## ENSG00000187650 5.517346e-01 8.054075e-01
## ENSG00000187653 9.816666e-01      NA
## ENSG00000187657      NA      NA
## ENSG00000187658      NA      NA
## ENSG00000187664 8.725269e-01 9.639381e-01
## ENSG00000187672 9.923451e-01      NA
## ENSG00000187676 2.961686e-01 5.997424e-01
## ENSG00000187678 4.192172e-01 7.130553e-01
## ENSG00000187682 8.713252e-01      NA
## ENSG00000187686 9.753679e-01      NA
## ENSG00000187688 8.318237e-01 9.498582e-01
## ENSG00000187689      NA      NA
## ENSG00000187690      NA      NA
## ENSG00000187695 8.155808e-01      NA
## ENSG00000187699 9.300470e-02 3.029716e-01
## ENSG00000187701      NA      NA
## ENSG00000187713 6.961581e-01 8.909282e-01
## ENSG00000187714      NA      NA
## ENSG00000187715 7.950056e-01      NA
## ENSG00000187720 2.323701e-02 1.180163e-01
## ENSG00000187721      NA      NA
## ENSG00000187726 3.004957e-01      NA
## ENSG00000187730      NA      NA
## ENSG00000187733      NA      NA
## ENSG00000187735 1.471695e-02 8.582524e-02
## ENSG00000187736 4.479380e-01 7.334093e-01
## ENSG00000187741 1.303074e-01 3.720787e-01
## ENSG00000187742 4.373357e-01 7.256984e-01
## ENSG00000187747 9.608722e-01      NA
## ENSG00000187753 3.031683e-01      NA
## ENSG00000187754 5.604938e-01      NA
## ENSG00000187758 6.699238e-02 2.447767e-01
## ENSG00000187762 8.076447e-01      NA
## ENSG00000187763      NA      NA
## ENSG00000187764 7.596264e-01 9.200915e-01
## ENSG00000187766      NA      NA
## ENSG00000187772 7.181438e-01      NA

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## ENSG00000187773 8.001271e-01      NA
## ENSG00000187775 8.465728e-01 9.554620e-01
## ENSG00000187778 1.133079e-01 3.425930e-01
## ENSG00000187783 5.852757e-01      NA
## ENSG00000187790 1.444815e-01 3.969834e-01
## ENSG00000187791 7.976891e-01      NA
## ENSG00000187792 7.849725e-03 5.364805e-02
## ENSG00000187796 5.999133e-01 8.374677e-01
## ENSG00000187800 6.942329e-01 8.897806e-01
## ENSG00000187801 1.733636e-02 9.702852e-02
## ENSG00000187806      NA      NA
## ENSG00000187808 3.151240e-01 6.195707e-01
## ENSG00000187812      NA      NA
## ENSG00000187815 6.455942e-01 8.632529e-01
## ENSG00000187821      NA      NA
## ENSG00000187823      NA      NA
## ENSG00000187824 8.582569e-01 9.593550e-01
## ENSG00000187833      NA      NA
## ENSG00000187837 5.242434e-01 7.853280e-01
## ENSG00000187838 1.779785e-02 9.881131e-02
## ENSG00000187840 3.398245e-02 1.539989e-01
## ENSG00000187847      NA      NA
## ENSG00000187848 1.924523e-01      NA
## ENSG00000187855      NA      NA
## ENSG00000187857      NA      NA
## ENSG00000187860 1.248692e-01 3.633307e-01
## ENSG00000187862      NA      NA
## ENSG00000187866 2.061227e-02 1.086953e-01
## ENSG00000187867 8.061027e-01      NA
## ENSG00000187870 8.767696e-01      NA
## ENSG00000187871 8.730112e-01      NA
## ENSG00000187889 3.225826e-01 6.284427e-01
## ENSG00000187893 9.745868e-01      NA
## ENSG00000187900      NA      NA
## ENSG00000187902 6.132779e-01      NA
## ENSG00000187905 1.784546e-01 4.493690e-01
## ENSG00000187908 7.087387e-01      NA
## ENSG00000187912 8.797490e-01      NA
## ENSG00000187918      NA      NA
## ENSG00000187922 9.608722e-01      NA
## ENSG00000187942 7.099008e-01 8.967760e-01
## ENSG00000187944 5.942997e-02      NA
## ENSG00000187950 9.176029e-02 2.997648e-01
## ENSG00000187951 6.108277e-01 8.432100e-01
## ENSG00000187952 4.324119e-01      NA
## ENSG00000187953 8.870048e-01 9.667681e-01
## ENSG00000187954 3.616244e-01 6.632717e-01
## ENSG00000187955 1.578568e-02 9.073024e-02
## ENSG00000187957 3.190962e-02      NA
## ENSG00000187959 7.181438e-01      NA
## ENSG00000187961 9.954772e-01 9.985072e-01
## ENSG00000187969      NA      NA
## ENSG00000187980 6.885694e-01      NA
## ENSG00000187984 8.865425e-01      NA

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## ENSG00000187987 4.368691e-04 5.361736e-03
## ENSG00000187988 NA NA
## ENSG00000187994 5.042777e-01 7.734614e-01
## ENSG00000187997 4.131264e-01 NA
## ENSG00000187999 8.001271e-01 NA
## ENSG00000188000 2.508749e-01 5.461405e-01
## ENSG00000188001 2.206943e-01 5.075802e-01
## ENSG00000188002 5.644821e-01 8.148317e-01
## ENSG00000188004 1.788111e-01 4.496255e-01
## ENSG00000188010 2.576422e-01 5.549127e-01
## ENSG00000188011 NA NA
## ENSG00000188013 8.060725e-01 9.386799e-01
## ENSG00000188015 8.835792e-04 9.410395e-03
## ENSG00000188021 2.204262e-01 5.071591e-01
## ENSG00000188026 7.519877e-01 9.172481e-01
## ENSG00000188029 NA NA
## ENSG00000188032 5.498780e-01 NA
## ENSG00000188033 5.771922e-02 2.220089e-01
## ENSG00000188037 8.767696e-01 NA
## ENSG00000188038 3.659662e-01 NA
## ENSG00000188039 7.341645e-01 NA
## ENSG00000188042 5.018196e-07 1.526116e-05
## ENSG00000188050 6.621366e-01 NA
## ENSG00000188051 5.336403e-01 NA
## ENSG00000188056 4.612956e-01 NA
## ENSG00000188060 1.648267e-01 4.283846e-01
## ENSG00000188064 7.496599e-01 NA
## ENSG00000188069 NA NA
## ENSG00000188070 4.355184e-03 3.437168e-02
## ENSG00000188076 NA NA
## ENSG00000188078 NA NA
## ENSG00000188086 NA NA
## ENSG00000188089 7.657902e-01 NA
## ENSG00000188092 4.888598e-01 7.623475e-01
## ENSG00000188095 7.505514e-01 NA
## ENSG00000188100 8.767696e-01 NA
## ENSG00000188101 NA NA
## ENSG00000188107 6.497460e-01 8.659467e-01
## ENSG00000188112 1.623664e-03 1.551445e-02
## ENSG00000188120 NA NA
## ENSG00000188124 6.280467e-01 NA
## ENSG00000188130 8.333042e-02 2.817681e-01
## ENSG00000188133 NA NA
## ENSG00000188152 7.075972e-01 NA
## ENSG00000188153 2.434331e-03 2.177669e-02
## ENSG00000188155 NA NA
## ENSG00000188157 3.025253e-01 6.056504e-01
## ENSG00000188158 3.779670e-01 6.776493e-01
## ENSG00000188162 6.068096e-01 NA
## ENSG00000188163 4.894959e-01 NA
## ENSG00000188167 7.481990e-01 9.157605e-01
## ENSG00000188171 2.723950e-01 5.726757e-01
## ENSG00000188175 8.001271e-01 NA
## ENSG00000188176 2.108559e-06 5.468171e-05

```

```

## ENSG00000188177 9.439240e-01 9.854366e-01
## ENSG00000188186 2.521329e-01 5.480127e-01
## ENSG00000188191 5.678136e-01 8.162825e-01
## ENSG00000188199 2.903772e-01 5.934901e-01
## ENSG00000188211 6.587767e-01 8.705904e-01
## ENSG00000188215 1.591830e-12 1.535558e-10
## ENSG00000188219 NA NA
## ENSG00000188223 9.971352e-01 9.989821e-01
## ENSG00000188227 1.101577e-01 3.373093e-01
## ENSG00000188229 6.101569e-01 8.432100e-01
## ENSG00000188234 2.845682e-01 5.869242e-01
## ENSG00000188243 6.029206e-02 2.283196e-01
## ENSG00000188257 1.336770e-01 3.778375e-01
## ENSG00000188263 9.608722e-01 NA
## ENSG00000188266 9.383961e-01 9.834237e-01
## ENSG00000188269 2.867468e-01 NA
## ENSG00000188277 5.666122e-01 8.157538e-01
## ENSG00000188282 NA NA
## ENSG00000188283 5.481626e-02 2.137097e-01
## ENSG00000188290 9.729708e-02 3.119852e-01
## ENSG00000188293 NA NA
## ENSG00000188295 4.124045e-01 7.073831e-01
## ENSG00000188305 9.186511e-01 NA
## ENSG00000188306 9.608722e-01 NA
## ENSG00000188312 5.945699e-11 4.247529e-09
## ENSG00000188313 4.568262e-01 7.392491e-01
## ENSG00000188314 NA NA
## ENSG00000188315 3.954209e-02 1.704711e-01
## ENSG00000188316 2.384402e-01 5.314813e-01
## ENSG00000188321 3.496277e-01 6.532336e-01
## ENSG00000188322 4.135892e-02 1.759497e-01
## ENSG00000188324 NA NA
## ENSG00000188334 NA NA
## ENSG00000188338 4.912741e-01 NA
## ENSG00000188340 NA NA
## ENSG00000188342 4.706215e-02 1.927410e-01
## ENSG00000188343 3.699372e-01 6.706605e-01
## ENSG00000188352 1.767687e-01 4.465466e-01
## ENSG00000188368 7.863517e-02 2.710671e-01
## ENSG00000188372 6.127628e-01 8.440990e-01
## ENSG00000188373 NA NA
## ENSG00000188375 5.639835e-01 NA
## ENSG00000188379 NA NA
## ENSG00000188383 NA NA
## ENSG00000188385 7.175111e-02 2.560098e-01
## ENSG00000188386 8.767696e-01 NA
## ENSG00000188388 7.699999e-01 NA
## ENSG00000188389 NA NA
## ENSG00000188393 NA NA
## ENSG00000188394 5.429672e-01 NA
## ENSG00000188396 6.255944e-01 NA
## ENSG00000188399 NA NA
## ENSG00000188403 NA NA
## ENSG00000188404 6.109206e-01 NA

```

```

## ENSG00000188408      NA      NA
## ENSG00000188419 7.686445e-01 9.231658e-01
## ENSG00000188425      NA      NA
## ENSG00000188428 4.117742e-05 7.370849e-04
## ENSG00000188438      NA      NA
## ENSG00000188439      NA      NA
## ENSG00000188451 8.767696e-01      NA
## ENSG00000188452 9.451484e-02 3.060567e-01
## ENSG00000188459 9.127699e-01      NA
## ENSG00000188460 6.815601e-01      NA
## ENSG00000188467 7.339681e-01      NA
## ENSG00000188483 6.527884e-03 4.628502e-02
## ENSG00000188486 5.222034e-01 7.841217e-01
## ENSG00000188487 6.128408e-01      NA
## ENSG00000188488 5.275845e-01      NA
## ENSG00000188493 5.482513e-01 8.022116e-01
## ENSG00000188501 1.770473e-05 3.579949e-04
## ENSG00000188505 9.044320e-01      NA
## ENSG00000188508 9.143270e-01      NA
## ENSG00000188512      NA      NA
## ENSG00000188517 2.403783e-01 5.331655e-01
## ENSG00000188522 4.705108e-01 7.494825e-01
## ENSG00000188523 9.576776e-01      NA
## ENSG00000188529 5.520057e-01 8.056047e-01
## ENSG00000188536 6.175150e-01      NA
## ENSG00000188542 5.257357e-01 7.862151e-01
## ENSG00000188549 5.538363e-02 2.151109e-01
## ENSG00000188554 2.734553e-01 5.735328e-01
## ENSG00000188558      NA      NA
## ENSG00000188559 7.276935e-01 9.054127e-01
## ENSG00000188566 3.776903e-02 1.650828e-01
## ENSG00000188573 2.315694e-01 5.227259e-01
## ENSG00000188580 3.233990e-01      NA
## ENSG00000188581 8.001271e-01      NA
## ENSG00000188582 1.794741e-01      NA
## ENSG00000188596 5.620128e-01 8.135032e-01
## ENSG00000188599 3.040767e-01 6.072049e-01
## ENSG00000188603 1.340661e-02 8.048490e-02
## ENSG00000188610 1.024592e-01 3.222062e-01
## ENSG00000188611 5.075570e-01 7.752849e-01
## ENSG00000188612 2.632627e-02 1.286581e-01
## ENSG00000188613 3.497151e-03 2.895809e-02
## ENSG00000188620      NA      NA
## ENSG00000188624 8.837380e-01      NA
## ENSG00000188626 2.652185e-01 5.636730e-01
## ENSG00000188629 8.521098e-01 9.573758e-01
## ENSG00000188636 1.683955e-01 4.338806e-01
## ENSG00000188641 2.434491e-01 5.365304e-01
## ENSG00000188643 9.873848e-01 9.961326e-01
## ENSG00000188646      NA      NA
## ENSG00000188647 1.235383e-01 3.616834e-01
## ENSG00000188649 3.800433e-01      NA
## ENSG00000188655      NA      NA
## ENSG00000188656      NA      NA

```

```

## ENSG00000188659 4.817823e-01 7.570965e-01
## ENSG00000188662 8.713252e-01 NA
## ENSG00000188668 NA NA
## ENSG00000188672 7.598799e-01 9.200915e-01
## ENSG00000188674 9.622213e-01 NA
## ENSG00000188676 8.004038e-01 NA
## ENSG00000188677 8.501095e-01 9.567562e-01
## ENSG00000188681 7.597714e-01 9.200915e-01
## ENSG00000188687 5.516936e-01 8.054075e-01
## ENSG00000188690 7.255963e-01 9.044572e-01
## ENSG00000188691 NA NA
## ENSG00000188694 NA NA
## ENSG00000188706 2.704648e-08 1.141000e-06
## ENSG00000188707 2.422924e-01 NA
## ENSG00000188710 9.420586e-01 NA
## ENSG00000188712 NA NA
## ENSG00000188716 NA NA
## ENSG00000188725 4.773770e-01 7.542905e-01
## ENSG00000188729 6.239133e-01 NA
## ENSG00000188730 1.576069e-01 NA
## ENSG00000188732 3.075009e-01 6.107673e-01
## ENSG00000188735 8.408261e-01 9.538096e-01
## ENSG00000188738 1.876551e-01 4.632878e-01
## ENSG00000188739 9.106036e-01 9.754096e-01
## ENSG00000188747 7.663015e-01 9.222946e-01
## ENSG00000188755 9.608722e-01 NA
## ENSG00000188760 2.828055e-01 5.845800e-01
## ENSG00000188761 3.912699e-01 NA
## ENSG00000188763 7.755871e-01 NA
## ENSG00000188765 9.261549e-01 NA
## ENSG00000188766 7.660708e-01 9.222946e-01
## ENSG00000188770 4.918575e-01 NA
## ENSG00000188771 6.200029e-01 NA
## ENSG00000188778 7.439542e-01 NA
## ENSG00000188779 1.287589e-01 NA
## ENSG00000188782 NA NA
## ENSG00000188783 8.221093e-01 9.459929e-01
## ENSG00000188784 NA NA
## ENSG00000188785 6.093926e-01 8.428050e-01
## ENSG00000188786 3.304260e-03 2.762439e-02
## ENSG00000188800 7.279446e-01 NA
## ENSG00000188801 NA NA
## ENSG00000188803 NA NA
## ENSG00000188807 7.152179e-01 8.996437e-01
## ENSG00000188811 1.685058e-01 4.339432e-01
## ENSG00000188816 8.767696e-01 NA
## ENSG00000188817 1.892380e-01 NA
## ENSG00000188818 4.376827e-01 7.261151e-01
## ENSG00000188820 3.809328e-01 NA
## ENSG00000188822 9.597682e-01 NA
## ENSG00000188827 2.953437e-03 2.525680e-02
## ENSG00000188828 7.686882e-01 NA
## ENSG00000188831 8.767696e-01 NA
## ENSG00000188833 2.382004e-01 NA

```

```

## ENSG00000188846 7.736614e-01 9.257567e-01
## ENSG00000188848 6.127562e-01 NA
## ENSG00000188850 9.608722e-01 NA
## ENSG00000188856 6.904250e-01 NA
## ENSG00000188859 5.494789e-01 NA
## ENSG00000188868 1.456900e-02 8.522498e-02
## ENSG00000188869 6.271899e-03 4.497533e-02
## ENSG00000188873 4.998849e-01 NA
## ENSG00000188877 NA NA
## ENSG00000188878 6.036832e-05 1.028434e-03
## ENSG00000188883 8.767696e-01 NA
## ENSG00000188886 NA NA
## ENSG00000188895 8.092480e-01 9.399540e-01
## ENSG00000188897 7.529001e-01 9.177201e-01
## ENSG00000188906 2.300131e-02 1.171728e-01
## ENSG00000188909 NA NA
## ENSG00000188910 8.001271e-01 NA
## ENSG00000188916 1.778265e-04 2.564677e-03
## ENSG00000188917 2.630225e-01 5.615031e-01
## ENSG00000188921 3.611780e-02 1.601222e-01
## ENSG00000188931 2.242436e-01 NA
## ENSG00000188933 8.991679e-01 9.714580e-01
## ENSG00000188937 NA NA
## ENSG00000188938 5.424364e-01 7.981346e-01
## ENSG00000188958 9.515293e-01 9.885729e-01
## ENSG00000188959 6.168638e-01 NA
## ENSG00000188976 4.673193e-01 7.475029e-01
## ENSG00000188981 8.917858e-01 NA
## ENSG00000188984 6.757328e-01 NA
## [ reached 'max' / getOption("max.print") -- omitted 22028 rows ]

```

```

View(res)
summary(res)

```

```

##
## out of 25258 with nonzero total read count
## adjusted p-value < 0.1
## LFC > 0 (up)      : 1563, 6.2%
## LFC < 0 (down)    : 1188, 4.7%
## outliers [1]       : 142, 0.56%
## low counts [2]     : 9971, 39%
## (mean count < 10)
## [1] see 'cooksCutoff' argument of ?results
## [2] see 'independentFiltering' argument of ?results

```

```

res05 <- results(dds, alpha=0.05)
summary

```

```

## standardGeneric for "summary" defined from package "base"
##
## function (object, ...)
## standardGeneric("summary")
## <environment: 0x000000001c94e208>

```

```

## Methods may be defined for arguments: object
## Use showMethods(summary) for currently available ones.

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

## 

columns(org.Hs.eg.db)

## [1] "ACCCNUM"      "ALIAS"        "ENSEMBL"       "ENSEMLPROT"    "ENSEMLTRANS"
## [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),
                      column="ENTREZID",
                      keytype="ENSEMBL",
                      multiVals="first")

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

res$uniprot <- mapIds(org.Hs.eg.db,
                      keys=row.names(res),
                      column="UNIPROT",
                      keytype="ENSEMBL",
                      multiVals="first")

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

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

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

```

```

head(res)

## log2 fold change (MLE): dex treated vs control
## Wald test p-value: dex treated vs control
## DataFrame with 6 rows and 10 columns
##           baseMean log2FoldChange      lfcSE      stat     pvalue
##           <numeric>      <numeric> <numeric> <numeric> <numeric>
## ENSG00000000003 747.194195      -0.3507030  0.168246 -2.084470 0.0371175
## ENSG00000000005  0.000000          NA        NA        NA        NA
## ENSG00000000419 520.134160      0.2061078  0.101059  2.039475 0.0414026
## ENSG00000000457 322.664844      0.0245269  0.145145  0.168982 0.8658106
## ENSG00000000460 87.682625      -0.1471420  0.257007 -0.572521 0.5669691
## ENSG00000000938 0.319167      -1.7322890  3.493601 -0.495846 0.6200029
##           padj      symbol      entrez      uniprot
##           <numeric> <character> <character> <character>
## ENSG00000000003 0.163035      TSPAN6      7105    AOA024RCI0
## ENSG00000000005  NA          TNMD      64102   Q9H2S6
## ENSG00000000419 0.176032      DPM1       8813    060762
## ENSG00000000457 0.961694      SCYL3      57147   Q8IZE3
## ENSG00000000460 0.815849      C1orf112    55732   AOA024R922
## ENSG00000000938 NA          FGR       2268    P09769
##           genename
##           <character>
## ENSG00000000003 tetraspanin 6
## ENSG00000000005 tenomodulin
## ENSG00000000419 dolichyl-phosphate m..
## ENSG00000000457 SCY1 like pseudokina..
## ENSG00000000460 chromosome 1 open re..
## ENSG00000000938 FGR proto-oncogene, ..

```

```

ord <- order( res$padj )
head(res[ord,])

```

```

## log2 fold change (MLE): dex treated vs control
## Wald test p-value: dex treated vs control
## DataFrame with 6 rows and 10 columns
##           baseMean log2FoldChange      lfcSE      stat     pvalue
##           <numeric>      <numeric> <numeric> <numeric> <numeric>
## ENSG00000152583 954.771       4.36836  0.2371268 18.4220 8.74490e-76
## ENSG00000179094 743.253       2.86389  0.1755693 16.3120 8.10784e-60
## ENSG00000116584 2277.913      -1.03470 0.0650984 -15.8944 6.92855e-57
## ENSG00000189221 2383.754       3.34154  0.2124058 15.7319 9.14433e-56
## ENSG00000120129 3440.704       2.96521  0.2036951 14.5571 5.26424e-48
## ENSG00000148175 13493.920      1.42717  0.1003890 14.2164 7.25128e-46
##           padj      symbol      entrez      uniprot
##           <numeric> <character> <character> <character>
## ENSG00000152583 1.32441e-71    SPARCL1      8404   AOA024RDE1
## ENSG00000179094 6.13966e-56    PER1        5187    015534
## ENSG00000116584 3.49776e-53    ARHGEF2      9181    Q92974
## ENSG00000189221 3.46227e-52    MAOA        4128    P21397
## ENSG00000120129 1.59454e-44    DUSP1       1843    B4DU40
## ENSG00000148175 1.83034e-42    STOM        2040    F8VSL7
##           genename

```

```

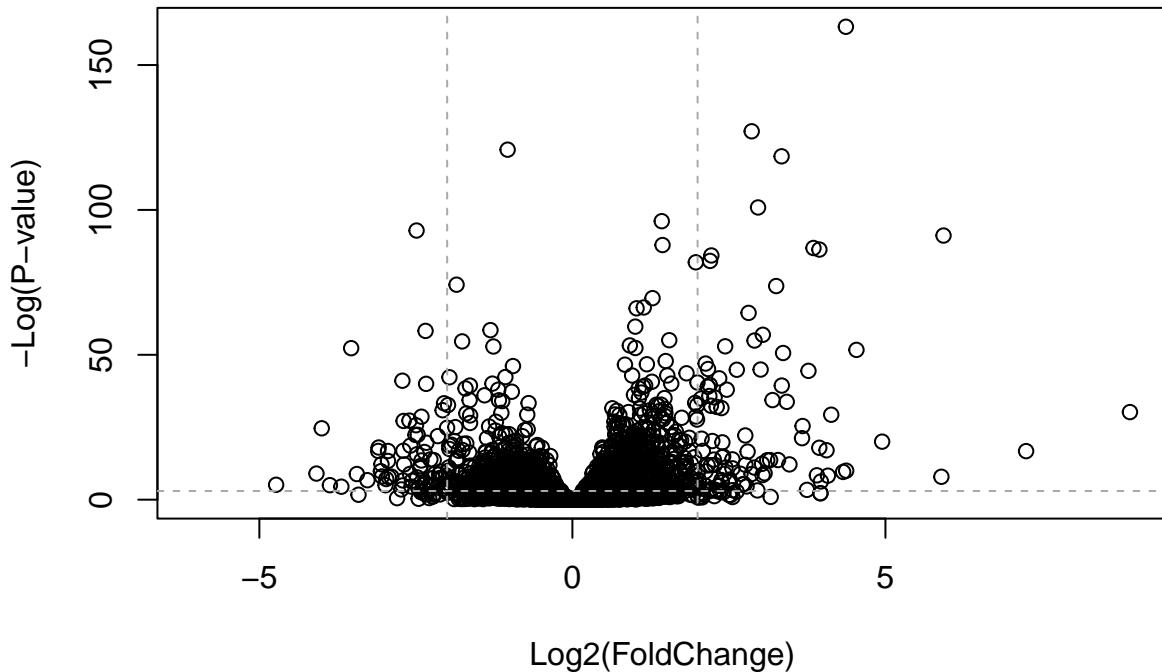
## <character>
## ENSG00000152583 SPARC like 1
## ENSG00000179094 period circadian reg..
## ENSG00000116584 Rho/Rac guanine nucl..
## ENSG00000189221 monoamine oxidase A
## ENSG00000120129 dual specificity pho..
## ENSG00000148175 stomatin

write.csv(res[ord,], "deseq_results.csv")

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

abline(v=c(-2,2), col="darkgray", lty=2)
abline(h=-log(0.05), col="darkgray", lty=2)

```



```

mycols <- rep("gray", nrow(res))
mycols[ abs(res$log2FoldChange) > 2 ] <- "red"

inds <- (res$padj < 0.01) & (abs(res$log2FoldChange) > 2 )
mycols[ inds ] <- "blue"

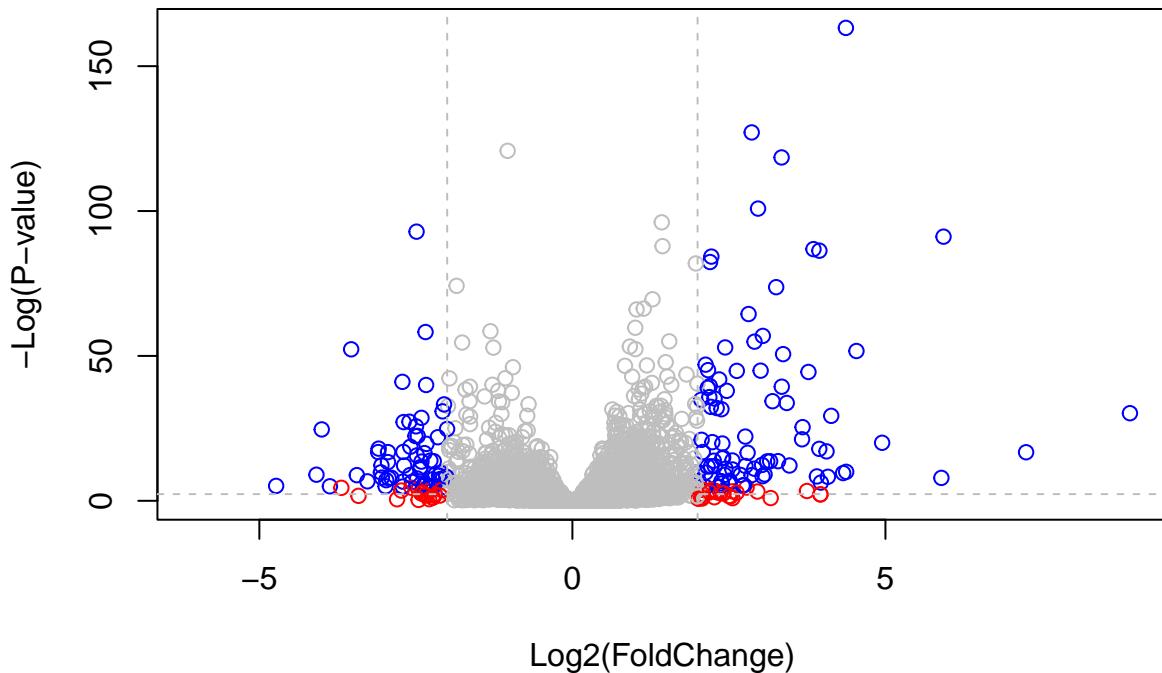
```

```

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

abline(v=c(-2,2), col="gray", lty=2)
abline(h=-log(0.1), col="gray", lty=2)

```



```

library(EnhancedVolcano)

## Loading required package: ggplot2

## Loading required package: ggrepel

## Registered S3 methods overwritten by 'ggalt':
##   method           from
##   grid.draw.absoluteGrob  ggplot2
##   grobHeight.absoluteGrob ggplot2
##   grobWidth.absoluteGrob ggplot2
##   grobX.absoluteGrob    ggplot2
##   grobY.absoluteGrob    ggplot2

x <- as.data.frame(res)

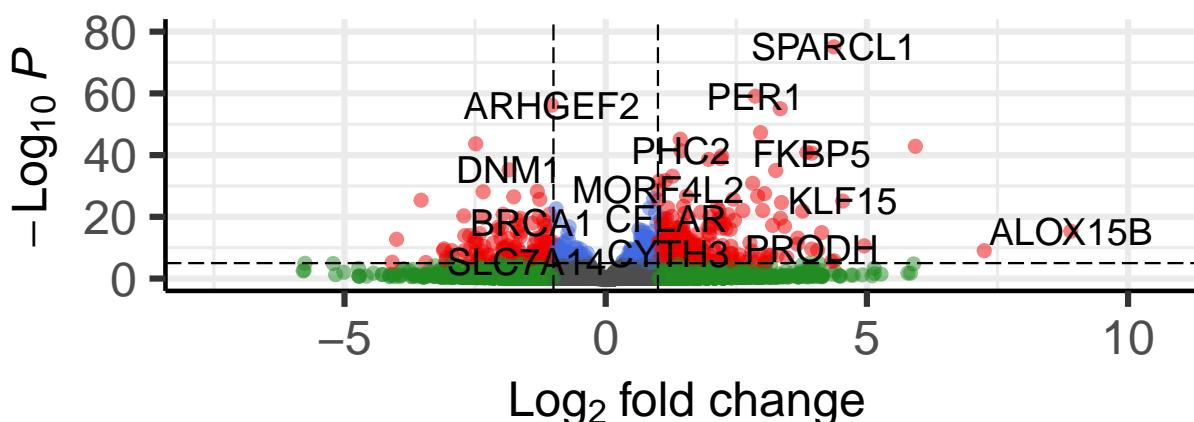
```

```
EnhancedVolcano(x,
  lab = x$symbol,
  x = 'log2FoldChange',
  y = 'pvalue')
```

Volcano plot

EnhancedVolcano

● NS ● Log₂ FC ● p-value ● p-value and log₂ FC



total = 38694 variables

```
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)
head(kegg.sets.hs, 2)

## $`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"

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

##      7105      64102      8813      57147      55732      2268
## -0.35070302          NA  0.20610777  0.02452695 -0.14714205 -1.73228897

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

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

head(keggres$less, 3)

##                               p.geomean stat.mean      p.val
## hsa05332 Graft-versus-host disease 0.0004250461 -3.473346 0.0004250461
## hsa04940 Type I diabetes mellitus 0.0017820293 -3.002352 0.0017820293
## hsa05310 Asthma                  0.0020045888 -3.009050 0.0020045888
##                               q.val set.size      exp1
## hsa05332 Graft-versus-host disease 0.09053483      40 0.0004250461
## hsa04940 Type I diabetes mellitus 0.14232581      42 0.0017820293
## hsa05310 Asthma                  0.14232581      29 0.0020045888

sessionInfo()

## R version 4.1.2 (2021-11-01)
## Platform: x86_64-w64-mingw32/x64 (64-bit)
## Running under: Windows 10 x64 (build 19043)
##
## Matrix products: default
##
## locale:
## [1] LC_COLLATE=English_United States.1252

```

```

## [2] LC_CTYPE=English_United States.1252
## [3] LC_MONETARY=English_United States.1252
## [4] LC_NUMERIC=C
## [5] LC_TIME=English_United States.1252
##
## attached base packages:
## [1] stats4      stats       graphics   grDevices  utils      datasets   methods
## [8] base
##
## other attached packages:
## [1] gageData_2.32.0          gage_2.44.0
## [3] pathview_1.34.0          EnhancedVolcano_1.12.0
## [5] ggrepel_0.9.1            ggpplot2_3.3.5
## [7] org.Hs.eg.db_3.14.0       AnnotationDbi_1.56.2
## [9] DESeq2_1.34.0             SummarizedExperiment_1.24.0
## [11] Biobase_2.54.0           MatrixGenerics_1.6.0
## [13] matrixStats_0.61.0        GenomicRanges_1.46.1
## [15] GenomeInfoDb_1.30.1       IRanges_2.28.0
## [17] S4Vectors_0.32.3         BiocGenerics_0.40.0
##
## loaded via a namespace (and not attached):
## [1] bitops_1.0-7              bit64_4.0.5          ash_1.0-15
## [4] RColorBrewer_1.1-2         httr_1.4.2            Rgraphviz_2.38.0
## [7] tools_4.1.2                utf8_1.2.2            R6_2.5.1
## [10] KernSmooth_2.23-20        vipor_0.4.5          DBI_1.1.2
## [13] colorspace_2.0-3          withr_2.4.3          tidyselect_1.1.2
## [16] ggrastr_1.0.1             ggalt_0.4.0          bit_4.0.4
## [19] compiler_4.1.2            extrafontdb_1.0       graph_1.72.0
## [22] cli_3.1.1                 DelayedArray_0.20.0  labeling_0.4.2
## [25] KEGGgraph_1.54.0          scales_1.1.1          proj4_1.0-11
## [28] genefilter_1.76.0          stringr_1.4.0         digest_0.6.29
## [31] rmarkdown_2.11              XVector_0.34.0        pkgconfig_2.0.3
## [34] htmltools_0.5.2            extrafont_0.17        fastmap_1.1.0
## [37] highr_0.9                 maps_3.4.0            rlang_1.0.1
## [40] RSQLite_2.2.10             farver_2.1.0          generics_0.1.2
## [43] BiocParallel_1.28.3        dplyr_1.0.8            RCurl_1.98-1.6
## [46] magrittr_2.0.2             GO.db_3.14.0          GenomeInfoDbData_1.2.7
## [49] Matrix_1.3-4              Rcpp_1.0.8            ggbeeswarm_0.6.0
## [52] munsell_0.5.0              fansi_1.0.2          lifecycle_1.0.1
## [55] stringi_1.7.6              yaml_2.2.2            MASS_7.3-54
## [58] zlibbioc_1.40.0            grid_4.1.2            blob_1.2.2
## [61] parallel_4.1.2             crayon_1.5.0          lattice_0.20-45
## [64] Biostrings_2.62.0           splines_4.1.2         annotate_1.72.0
## [67] KEGGREST_1.34.0            locfit_1.5-9.4        knitr_1.37
## [70] pillar_1.7.0               geneplotter_1.72.0    XML_3.99-0.9
## [73] glue_1.6.2                 evaluate_0.15         png_0.1-7
## [76] vctrs_0.3.8                Rttf2pt1_1.3.10       gtable_0.3.0
## [79] purrrr_0.3.4               cachem_1.0.6          xfun_0.29
## [82] xtable_1.8-4               survival_3.2-13       tibble_3.1.6
## [85] beeswarm_0.4.0              memoise_2.0.1         ellipsis_0.3.2

```